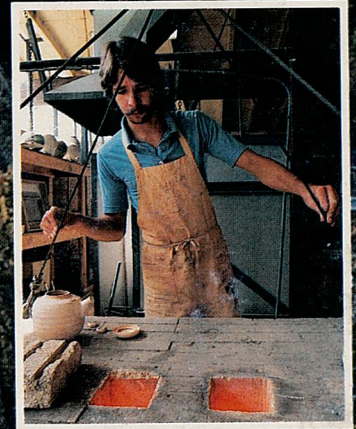
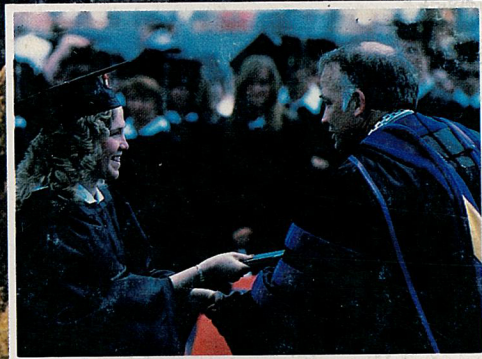


BOISE STATE UNIVERSITY 1985-86 CATALOG



Welcome to Boise State

Welcome from the faculty, administration and staff at Boise State University. Our catalog is designed not only to assist you in finding course information, but to give you a sense of the university, its people and its potential effect on your life.

Boise State is a university with a proud tradition of academic excellence. It's a university with a warm Western attitude where the individual student receives attention. And it's a university in an urban setting with a wealth of resources and facilities.

We hope your questions about Boise State can be answered by the information contained within the catalog; if not, we're always available to answer your questions personally.

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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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.

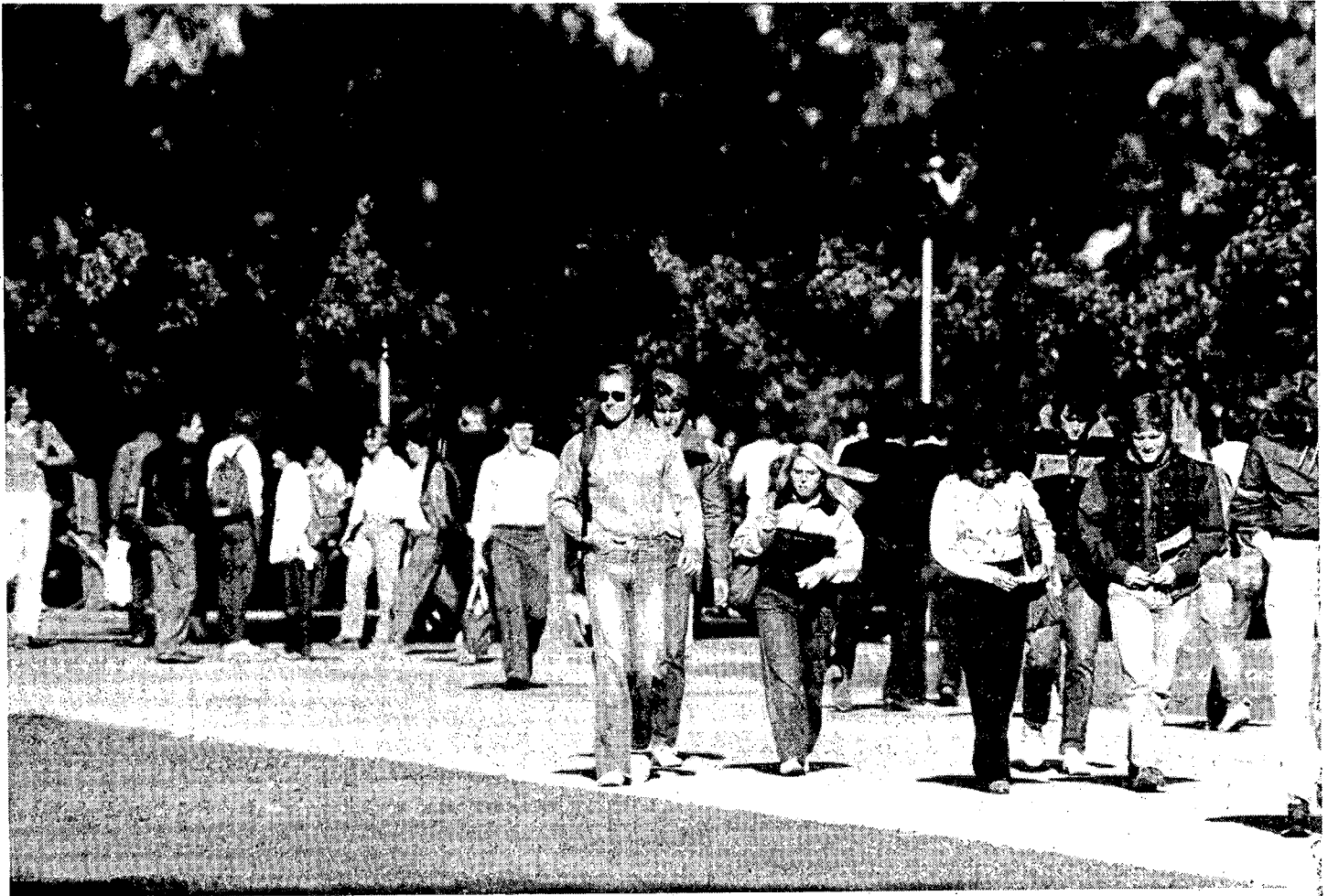
NOTE

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.

Contents

General Information, 5
Admissions Information, 9
Academic Information, 17
Student Services, 29
Academic Enrichment and
Special Programs, 33
College of Arts and Sciences, 39
College of Business, 85
College of Education, 99
College of Health Science, 121
Graduate College, 139
School of Vocational Technical Education, 157



Boise State University Catalog 1985-86

Boise State University Calendar — 1985-86

Summer Session 1985

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

June 10, Mon.: Classes begin for 8-week, 10-week and first 5-week sessions.

June 14, Fri.: Last day to file with department for admission to candidacy for Masters Degree—Departmental Office. Last day to file application for graduation for Master's, Baccalaureate, and two-year or less degrees, diplomas, and certificates—Registrar's Office.

July 4, Thurs.: Holiday

July 12, Fri.: First 5-week session ends.

July 15, Mon.: Classes begin for second 5-week session.

August 2, Fri.: End of 8-week session.

August 16, Fri.: End of 10-week session and second 5-week session.

Fall Semester 1985

June 20-22, Thurs.-Sat.: 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 7, 1985.

July 19, Fri.: Bills will be mailed to students pre-registered for fall semester.

Aug. 9, Fri.: Last day for pre-registered students to complete financial arrangements and pay fees for fall semester.

Aug. 16, Fri.: Last day to submit application for fall semester to be assured of prepared registration materials at the priority registration (August 30). Students submitting applications after this date will be able to register at Open Registration.

Aug. 26, Mon.: Faculty orientation.

Aug. 28, Wed.: Residence Halls open (noon). Student advising for continuing students (afternoon.)

Aug. 29, Thurs.: Student Orientation Program—Student Union. Student advising (all day). Drop/add for pre-registered students, 1:00-4:00 p.m., Pavilion.

Aug. 30, Fri.: Priority and Open Registration in Pavilion (see class schedule for registration times.)

Sept. 2, Mon.: Holiday.

Sept. 3, Tues.: 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.

Sept. 10, Tues.: 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.

Sept. 11, Wed.: Registration by petition only—fifty dollar (\$50) late registration fee applies to all late registrations.

Sept. 20, Fri.: Last day to drop first 8-week block courses.

Sept. 27, Fri.: 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.

Oct. 11, Fri.: Last day to withdraw, make class changes or register by petition.

Oct. 18, Fri.: Notification of incompletes from previous semester. Last day to file application with department for final Master's written exam.

Oct. 21, Mon.: Mid-semester grades submitted to Registrar's Office. Second 8-week block begins.

Nov. 4-8, Mon.-Fri.: 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.)

Nov. 6, Wed.: Advising and pre-registration for new and returning students (not enrolled

Fall 1985) 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 18, 1985.

Nov. 8, Fri.: College of Business; last day to petition for upper division admission for spring semester, 1986. Last day to drop second 8-week block courses.

Nov. 9, Sat.: Final day for written exam for Master's Degree.

Nov. 20, Wed.: Last day for final oral and project/thesis defense.

Nov. 28-Dec. 1, Thurs.-Sun.: Thanksgiving Holiday.

Dec. 2, Mon.: Classes resume.

Dec. 13, Fri.: Last day to submit final signed copy of Master's project/thesis with department. Class schedule and bills will be available for students pre-registered for spring semester—Registrar's Office.

Dec. 13, Fri.: Classroom instruction ends.

Dec. 16, Mon.: Reading Day; final exam period begins Monday night for night classes. Remaining class schedules and bills for pre-registered students will be mailed.

Dec. 17-21, Tues.-Sat.: Final Semester Examinations.

Dec. 21, Sat.: Residence Halls close (Noon).

Dec. 23, Mon.: Grade Reports due to Registrar. (9:00 a.m.)

Spring Semester 1986

Dec. 27, Fri.: Last day to submit application for spring semester to be assured of prepared registration materials at the Priority Registration (Jan 15). Students submitting applications after this date will be able to register at Open Registration.

Jan. 2, Thurs.: Last day for pre-registered students to complete financial arrangements and pay fees for spring semester.

Jan. 13, Mon.: Faculty orientation. Residence Halls open (Noon). Student advising for continuing students (afternoon).

Jan. 14, Tues.: Student Orientation Program. Student advising. Drop/add for pre-registered students—Pavilion 1-4 p.m. (See Class Schedule for designated times.)

Jan. 15, Wed.: Priority and Open Registration in Pavilion (see class schedule for registration times).

Jan. 16, Thurs.: Classes begin. Open Registration for evening classes only, 5-7 p.m.—Administration Building.

Jan. 17, Fri.: Open Registration and drop/add, 9 a.m.-4 p.m. (Monday-Friday); 5-7 p.m. (Monday-Thursday)—Administration Building.

Jan. 24, Fri.: 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.

Jan. 27, Mon.: Registration by petition only; fifty dollar (\$50) late registration fee applies to all late registrations.

Jan. 31, Fri.: Last day to file with department for admission to candidacy for Master's 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.

Feb. 7, Fri.: Last day to drop first 8-week block courses.

Feb. 14, Fri.: Last day to submit names for faculty initiated withdrawal notifications.

Feb. 17, Mon.: Washington's Birthday observed (Holiday).

Feb. 28, Fri.: Last day to withdraw, make class changes or register by petition.

March 14, Fri.: Notification of incompletes from previous semester. Last day to file application with department for final Master's written exam.

March 17, Mon.: Mid-semester grades submitted. Second 8-week block begins.

March 24-30, Mon.-Sun.: Spring vacation.

March 31, Mon.: Classes resume.

April 4, Fri.: Last day to drop second 8-week block courses.

April 7-11, Mon.-Fri.: Advising period for continuing (enrolled Spring 1986) 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 11, Fri.: College of Business: last day to petition for upper division admission for summer session and fall semester, 1986.

April 12, Sat.: Final day for written exam for Master's Degree.

April 18, Fri.: Last day for final oral and project/thesis defense.

May 2, Fri.: Last day to submit final signed copy of Master's project/thesis with department.

May 9, Fri.: Classroom instruction ends.

May 12, Mon.: Reading Day; final exam period begins Monday night for night classes.

May 13-17, Tues.-Sat.: Final Semester Examinations.

May 17, Sat.: Residence Halls close (Noon).

May 18, Sun.: Commencement—Pavilion, 2:00 p.m.

May 19, Mon.: Grade reports due to Registrar (9:00 a.m.).

Summer Session 1986

June 9, Mon.: Classes begin for 8-week, 10-week, and first 5-week sessions.

July 4, Fri.: Holiday.

July 11, Fri.: First 5-week session ends.

July 14, Mon.: Classes begin for second 5-week session.

Aug. 1, Fri.: End of 8-week session.

Aug. 15, Fri.: End of 10-week and second 5-week sessions.



CONTACTS

Admissions: Administration Building, Room 101; Telephone (208) 385-1177.

Admissions Counseling: Visitor's Center, University Drive; Telephone (208) 385-1757 or 1-800-632-6586.

BSU Bookstore: Student Union Building; Telephone (208) 385-1276.

Career Planning and Placement: Administration Building, Room 123; Telephone (208) 385-1747.

Counseling and Testing Center: Education Building, Sixth Floor; Telephone (208) 385-1601.

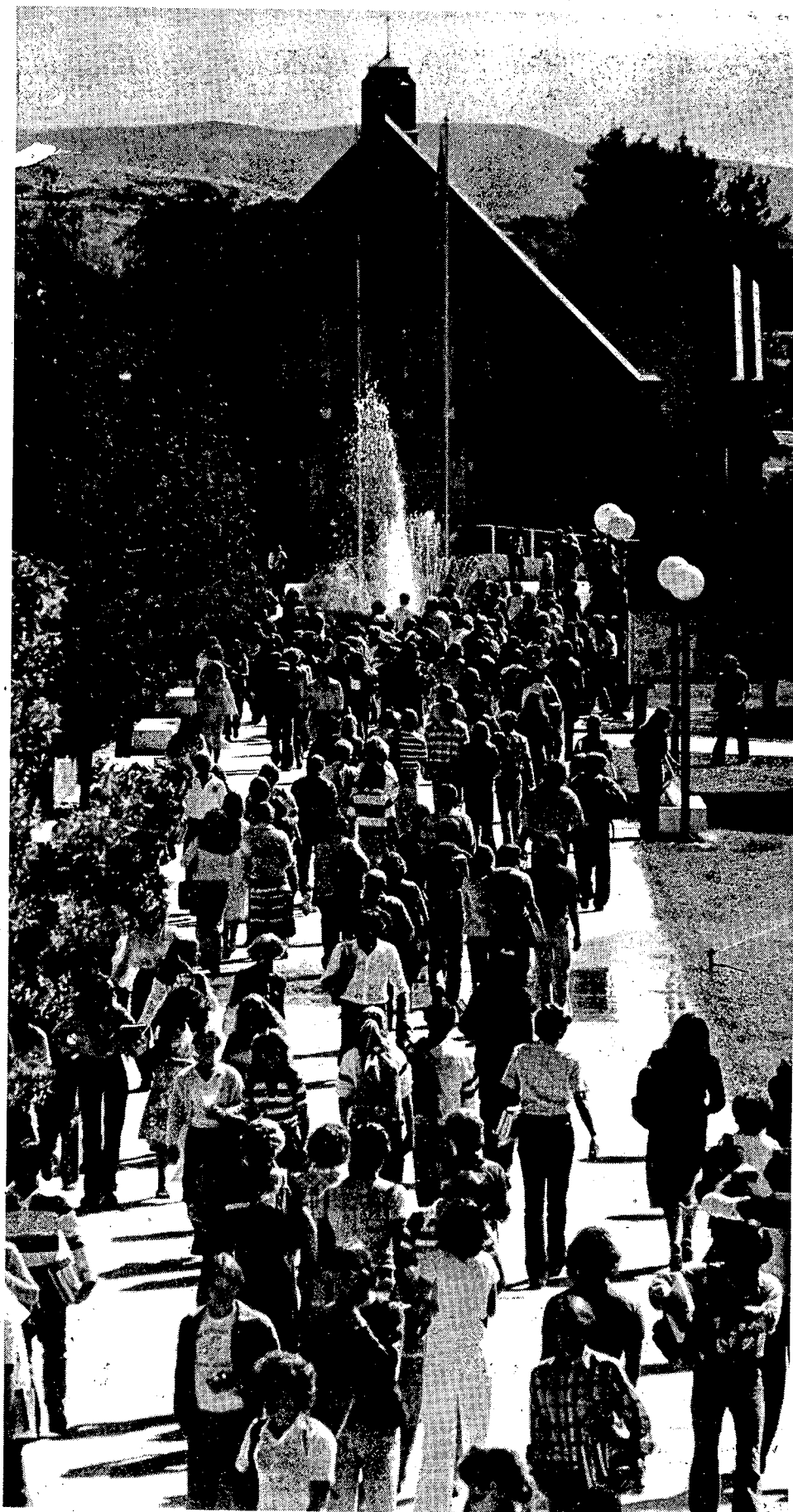
Financial Aid: Administration Building, Room 117; Telephone (208) 385-1664.

Registrar: Administration Building, Rooms 102-108; Telephone (208) 385-3486.

Student Health Services: University Drive; Telephone (208) 385-1459.

Student Residential Life: Administration Building, Room 110; Telephone (208) 385-3986.

Student Special Services: Administration Building, Room 114; Telephone (208) 385-1583.





General Information

The University

The university exists to educate individuals, to ensure their development and to enlarge their opportunities. Boise State 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. Students receive a broad education to equip them for mobility in employment, social relevance and informed, active citizenry.

Boise State is an urban university, taking its character from the dynamic center of business and government in which it is located.

The university's mission reflects its urban setting: the State Board of Education has mandated that Boise State put its primary emphasis on business and economics, the social sciences, public affairs, the performing arts and interdisciplinary studies. The university gives continuing emphasis in the areas of health professions, the related physical and biological sciences and education. And, it maintains basic strengths in the liberal arts and sciences that provide the core curriculum and will enhance its role as a regional center for technology based on emerging needs.

At Boise State, students may choose to study in any one of five colleges—Arts and Sciences, Business, Education, Health Science, Graduate—or the School of Vocational-Technical Education. We offer 155 major fields of interest, 61 baccalaureate degree programs, 23 vocational-technical degrees, four graduate and six associate degree programs. All are accredited by the Northwest Association of Schools and Colleges. Specific colleges and programs also are accredited by national agencies (see accreditation section on the next page).

Because BSU is located in the commercial, financial, health care and governmental center of Idaho, students can reach beyond the classroom for experiences not available anywhere else in the state. Internships or work experience at places ranging from the State Legislature to the state's largest daily newspaper enhance classroom learning.

The university also provides a variety of informal experiences on campus, such as participation in student government or on university committees, distinguished speaker programs and cultural and civic events. In all of its programs, Boise State University takes pride in providing a personal environment for students.

Since its beginning, the university's mission has been to respond to the wide-ranging academic needs of the community. It has sought to provide a breadth of programs both at the graduate and undergraduate levels and to provide academic leadership to the area through research and public service. Diversity, flexibility and quality are trademarks of Boise State programs.

History: Boise State University was founded in 1932 by the Episcopal Church as a junior college. It was the first institution of higher education to be located in the state's capital city. The junior college, which had an enrollment of about 600 students by the end of the 1930s, was located at St. Margaret's Hall, near the present site of St. Luke's Hospital. The school was moved to its present location on the Boise River in 1940.

The Episcopal Church discontinued its sponsorship of the school in 1934, when BJC became a non-profit private corporation sponsored by the Boise Chamber of Commerce and the community. A bill creating a junior college taxing district was passed in 1939, and the college was supported by local property taxes after that.

General Information

The junior college was granted four year status and named Boise College in 1964. The school was brought into the state system of higher education in 1969 and re-named Boise State University in 1974.

During its 50-year history, BSU has had four presidents: its founder, Bishop Middleton Barnwell (1932-34), Eugene Chaffee (1934-67), John Barnes (1967-77) and John Keiser (1978-present).

Accreditation and Affiliation: The university is a member of and fully accredited by the Northwest Association of Schools and Colleges. Permanent membership also is 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, 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, and the National Accreditation Council for Environmental Health Curriculum.

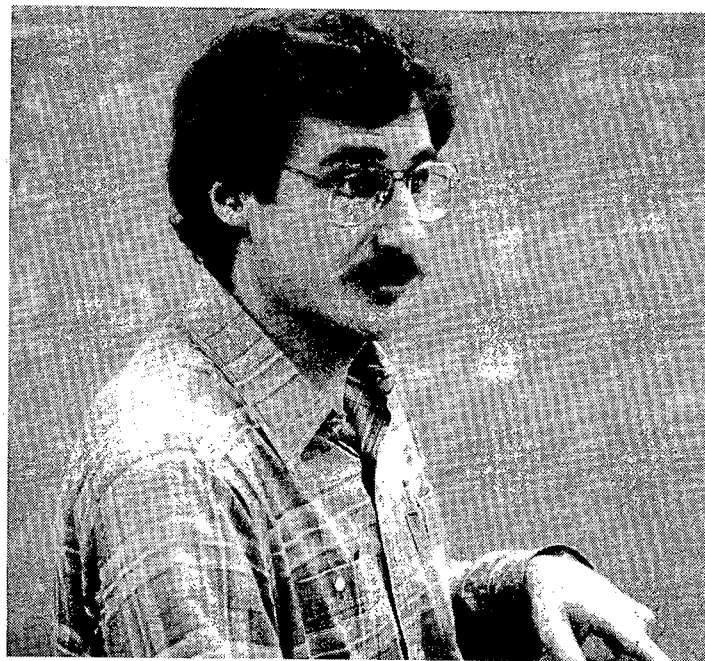
The program in dental assisting is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education.

Students

Students at Boise State are challenged to reach their highest levels of performance. The opportunities are here to test your limits in academics, sports, cultural or social activities.

The university's urban character invites a diverse student body that includes young adults, senior citizens, and working professionals along with the more "traditional" students straight from high school.

Students come from every Idaho county, almost every state and more than 30 foreign countries. Each semester, BSU enrolls about 10,000 students in its academic and vocational-technical programs.



Faculty

Boise State's strength lies in its faculty of more than 430. The university attracts motivated faculty dedicated to excellence in teaching, creative in providing new knowledge and generous in using their expertise to solve society's problems. They recognize that quality teaching is their primary goal.

At BSU, your classes won't be taught by graduate assistants. Most classes are taught by full-time professors, most with doctorate degrees. And you'll find your teachers caring, accessible people who are here to help you learn.

Some of the most respected scientists, artists, researchers and educators in the West are on the BSU faculty. They include a political scientist researching the causes of war and nuclear proliferation, geologists studying the geothermal potential of Idaho, business professors analyzing Idaho's tax structure, biologists discovering new ways to increase productivity of Idaho rangeland, English professors editing publications that preserve and study the works of Western writers and professional educators in every field working to make our future better.

Faculty members act as student advisors and are always willing to listen to student concerns.

Facilities

One of the most acoustically sophisticated performance halls in the nation, a top-notch performance and recreation area and a campus nestled along the scenic Boise River are some of the things that attract students to Boise State University.

The 110-acre campus consists of 49 buildings bordered by Broadway Avenue on the east, University Drive on the south, Capitol Boulevard on the west and the river on the north.

The **Student Union Building** is the hub of campus activity, meeting the campus community's social, recreational and cultural needs. Enclosed in the SUB are an information desk that sells tickets to all university and civic events; a recreational area with amusement games, bowling alleys, billiards and outdoor equipment rentals; study areas and lounges; a fine fast-food restaurant and the university dining hall; student government and student newspaper offices; a travel agency; and much more.

The **BSU Bookstore** is also located on the first floor of the SUB. There, all textbooks and supplies required for classes can be purchased. The

Bookstore also carries a large selection of sale books on a continual basis and sells some clothing and souvenir items.

The Administration Building, the oldest on campus, is where students can find information on admission, fees, financial aid, career placement and planning and housing.

The Morrison Center for the Performing Arts houses a 2,000-seat performing hall used by both university and community groups. It also contains the Music and Theatre Arts departments, a 180-seat recital hall and a 200-seat theater.

The BSU Pavilion is a multi-purpose facility that attracts big name entertainers ranging from Willie Nelson and Alabama to Lionel Richie and Van Halen. Students also can use five racquetball courts, weight rooms and a large recreational gymnasium. A child care center for students' children also is located in the Pavilion.

Downtown Boise is just a few minute's walk away from campus, where students can find shopping, fine restaurants and exciting nightlife. Just across the footbridge over the Boise River is Julia Davis Park—with the Idaho Historical Museum, the Boise Gallery of Art, the city zoo, a bandshell where spring and fall concerts take place and lots of open, green space.



The Library

Located between the rapid waters of the Boise River and the splashing of Memorial Fountain is the University Library. On the library's four floors of shelves are 280,000 volumes that support curricular and research needs, 2,000 current periodicals and 40 newspapers, 96,000 maps and 287,000 government publications.

Access to the library's collections is primarily through the Computer Output Microform catalog. Some of the library's older holdings still are recorded on the card catalog, so both catalogs must be consulted for a thorough search. Librarians and assistants are available in the Periodicals and Circulation areas to help students. The Reference Department also provides basic and advanced bibliographic service and assistance in use of the library.

Teachers in Southwest Idaho, as well as students and faculty, have access to print and non-print materials for elementary and secondary education, records, juvenile and young adult books and college-level non-print materials through the Curriculum Resource Center on the library's second floor.

The Maps and Special Collections Department contains the library's map collection, the University Archives and various manuscript collections. A new addition to the library is the papers of former Senator Frank Church. A special room on the library's third floor houses some of the memorabilia for public viewing. When the collection, one of the largest senatorial collections known, is processed in about two years, it will be available for scholarly research.

Computer Capabilities

A Boise State University graduate must be able to make use of the computer for tasks appropriate to his/her discipline.

Because we live in an age of high technology and of "information explosion," Boise State has adopted this computer literacy requirement for all graduates.

BSU's computers are located all over campus in order to give students the most exposure to them. The university has increased student access to computers by more than 150 percent in the last two years to ensure that every student can meet the computer literacy requirement.

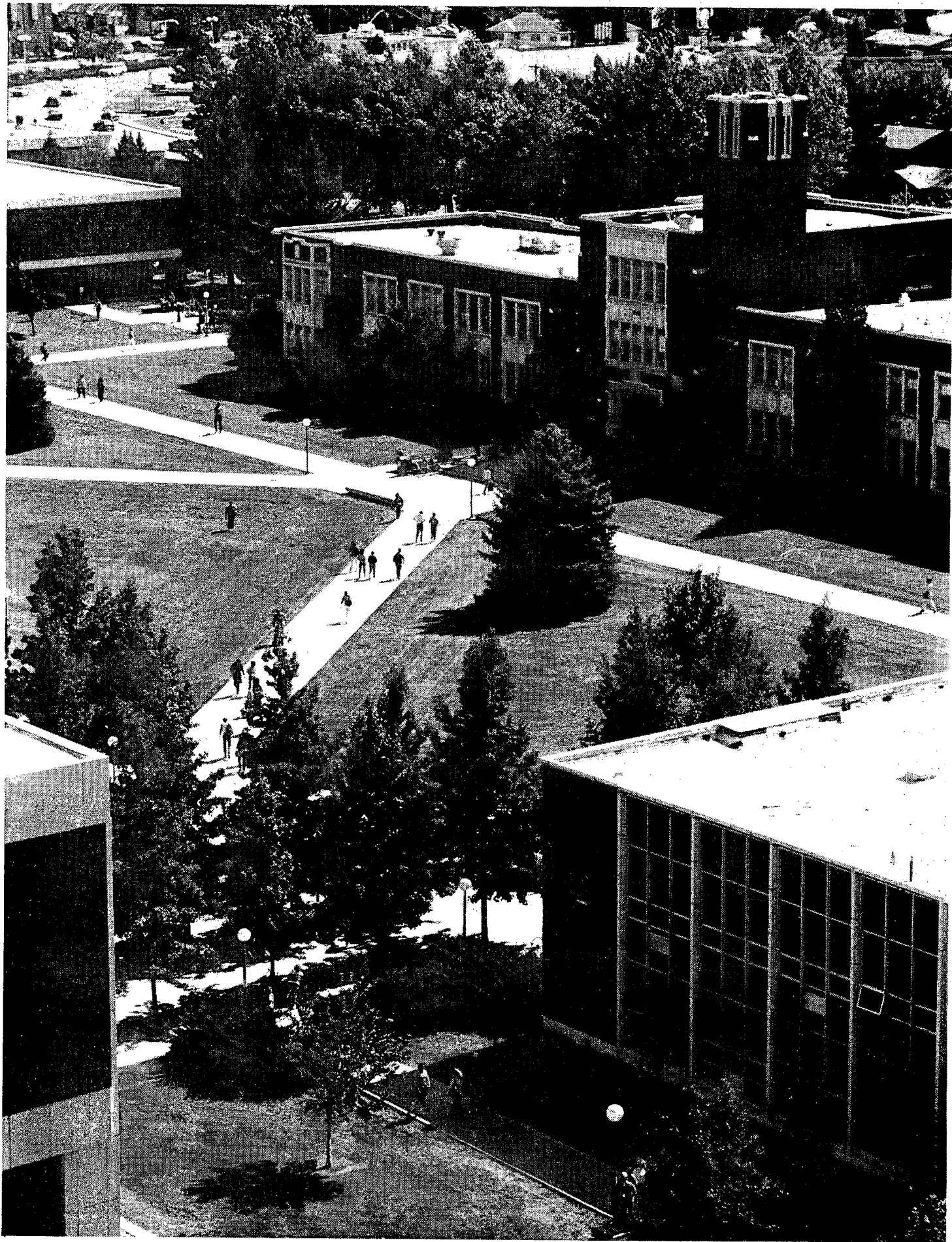
In addition to a university-wide computer center, with IBM 4341 and Hewlett-Packard 3000 main frame computers, micro-computer centers have been established within each college.

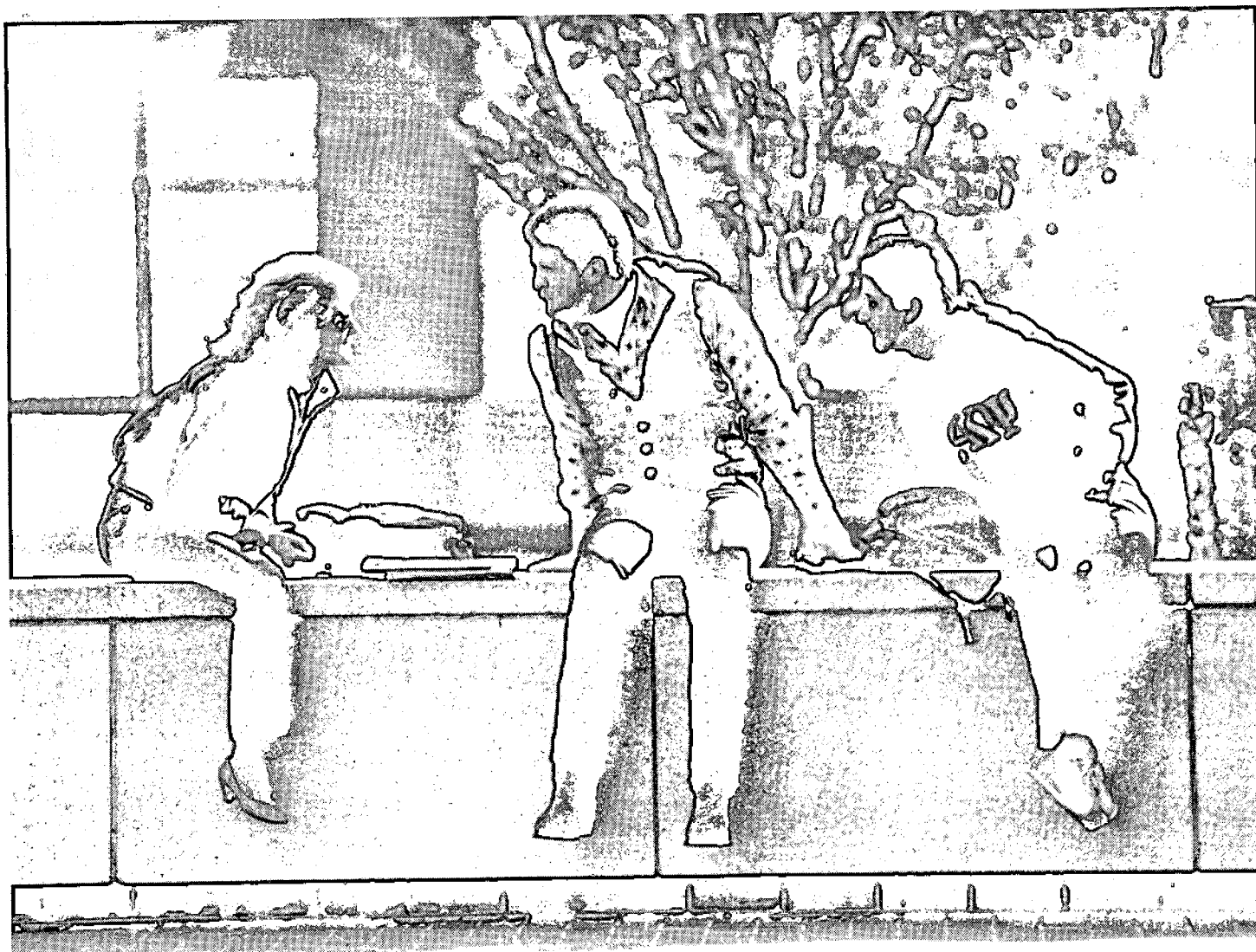
The HP 3000 is strictly an educational system, used by faculty, staff and students on 30 terminals in Room 206 of the Business Building. Accounts are available through instructors or through the Data Center in Room 116 of the Business Building. The IBM computer is for administrative as well as educational purposes. Another 4341 will be installed in the summer of 1985.

The College of Education has 22 IBM personal computers, an NCR Tower and a variety of Apple and Commodore computers in Room 417 of the Education Building, with more than 1,200 programs on subjects ranging from English to economics. The College of Health Science has 12 personal computers for tutoring, clinical-test simulation and teaching X-ray position techniques.

An Arts and Sciences Computer Assisted Learning Center, on the third floor of the Science-Nursing Building, has eight Apple computers available so students can use programs and practice what they've learned in classes. The Vocational-Technical School has 10 IBMs in Room 106 of the Vocational-Technical Building and 15 Apples in various locations around the building.

And, the College of Business has 40 IBM personal computers in Room 208 of the Business Building for student use.





Admissions Information

Questions about admissions requirements should be directed to:

The Office of Admissions
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1156
1-800-632-6586 (within Idaho)
1-800-824-7017 (states adjacent to Idaho)

Admission as Regular Undergraduate Student

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 a certificate of admission by mail before registration.

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 (the matriculation fee may be waived by the Admissions Office in documented cases of financial need and/or scholastic excellence).

Admissions Information

3. An official* High School transcript showing date of 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.

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

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

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

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.

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 on page 27, Academic Probation and Disqualification. All decisions relating to admission of foreign students will, however, be made by the Foreign Student Admissions Office.

Academic college level credit will be accepted from institutions accredited by the regional accrediting associations as reported in **Accredited Institutions of Postsecondary Education** published by the Council on Postsecondary Accreditation. Credit earned from institutions not accredited by these regional accrediting organizations may be granted on a course by course basis with the approval of the appropriate Boise State University department. Students may petition for acceptance of this credit once they have completed 15 semester credits at Boise State University with a minimum cumulative G.P.A. of 2.0.

Veterans: Students wishing to enter and receive G.I. Bill benefits must matriculate fully and meet all requirements for either freshman 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) can apply for their benefits through the Office of Veterans Affairs on the Boise State University campus. Chapter 31 (rehabilitation program) veterans must be counseled by a Vocational Rehabilitation counselor at the V.A.

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.

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.

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. Special students are not eligible to become candidates for graduation until they have satisfactorily met entrance requirements or until they have completed 32 semester hours of work at the university with GPA of 2.0 or better.

High School Students: Any currently enrolled high school students may enroll part-time if they have met the appropriate prerequisite and their 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.

Vocational-Technical Students: The School of Vocational-Technical Education admits applicants who are high school graduates or who have successfully completed the GED tests to regular full-time preparatory programs. People interested in becoming a skilled craftsman or technician will be admitted to these courses if they comply with all admission requirements and meet the qualifications for the designated program. 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 their high school principal requests their admission. Students in Vocational-Technical programs who plan to enter certain extra-curricular activities must meet regular entrance requirements (see eligibility requirements).

Students wishing to enter the BSU 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. An "official"* college transcript from all colleges attended showing good academic standing
5. Personal interview
6. \$75 advanced security registration deposit.

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

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.

Graduate Students: See Graduate College section for specific program information.

Tuition and Fees

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.

Exemption: Students attending part time (7 or less credits) pursuing general graduate study or undergraduate courses of interest.

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 BSU 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 students 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 previously under admission requirements.

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 by 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 592m, 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 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 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.

Questions about tuition and fees should be directed to:

Business Office
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-3636

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 refer to the academic calendar on pages 2-3 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.

Tuition and Fees

Full-Fees	Idaho Resident	Non-Resident
Tuition (per semester)	\$0.00	\$950.00
Institutional fees (Undergrad)	504.00	504.00
Institutional fees (Graduate)	664.00	664.00
Total (Undergraduate)	504.00	1454.00
Total (Graduate)	664.00	1614.00

Payment of full-fees does not necessarily constitute full-time enrollment. Please see the section on Academic Information for credit hour requirements.

Idaho Residency Requirements for Fee Purposes

The legal residence of a student for fee purposes 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 Admission's Office. Section 33-3717, Idaho Code, specifies that a resident student shall be:

1. 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 parents or guardian must be residing in the state on the opening day of the term for which the student matriculates.
2. 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.
3. 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.

Admissions Information

4. 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.
5. A member of the armed forces of the United States, stationed in the State of Idaho on military orders.
6. 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.
7. 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.
8. 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)	\$56.50 per Sem Hr
Part-time(Graduate)	\$72.00 per Sem Hr
Summer(Undergrad)	\$57.50 per Sem Hr
Summer (Graduate)	\$73.00 per Sem Hr
Applicat Proc Fee(Non-refundable)	\$10.00
Late Registration Fee	\$50.00
(To apply when petition is required to register)	
Overload Fee	Variable
Per credit hour cost over 19 credits	
Duplicate Activity Card	\$5.00

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, the fee is \$5.

Music Fees:

Music, Performance Fee:	per semester
All private music lessons:	
2 credits	55.00
4 credits	110.00

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 that 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 required to pay the special workshop fees that 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.

Insurance Coverage: All students paying full fees are required to take insurance coverage, which is paid with regularly assessed institu-

tional 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

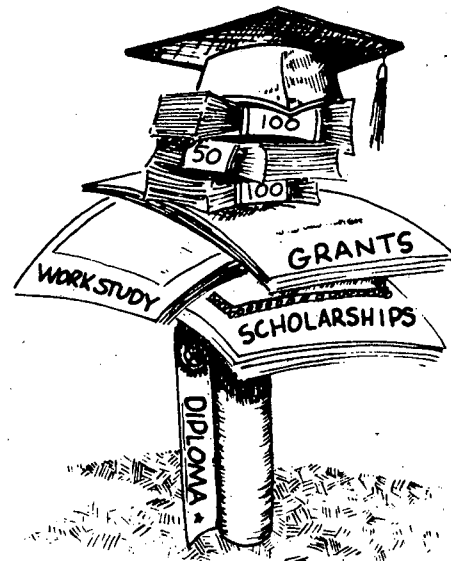
When a regularly enrolled student withdraws from Boise State University, a refund of registration charges including non-resident fees will be on the following basis:

Before Classes	100%
During first 2 weeks of classes	75%
During 3rd and 4th week of classes	50%
After 4th week	No Refund

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 deductions 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 student 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

Questions about financial aid should be directed to:

Financial Aid Office
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1664

The primary purpose of financial aid is to provide assistance and counseling 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 primary responsibility for meeting educational costs rests with the individual student and/or parents.

Boise State University has a comprehensive financial assistance program that includes a variety 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 the College Scholarship 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 university into an academic or vocational-technical program for the purpose of obtaining a degree or certificate, and submit the following forms:

1. Financial Aid Form (FAF)
Send to College Scholarship Service (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 submitted directly to the 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 Student 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 University. It should be sent directly to the Financial Aid Office. The "Boise State University Scholarships" brochure lists all scholarships available 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. Applications or Student Aid Reports (SAR) received after July 1 cannot be considered 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

1. Pell Grants (formerly BEOG) are available to undergraduate 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 current 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.
2. Supplemental Educational Opportunity Grants (SEOG) and State Student Incentive Grants (SSIG) are awarded to undergraduate students who show exceptional financial need.
3. National Direct Student Loan (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.

4. College Work Study Program (CWSP) provides an opportunity for students to work and pay for a portion of their educational expenses. Paychecks are made directly to the student who is then responsible for paying outstanding debts. CWSP is awarded to undergraduate and graduate students who show need.
5. Waivers of Non-Resident Tuition are available to a limited number of undergraduate and graduate students who are considered to be out-of-state residents for tuition purposes, have good academic records, and show need.
6. BSU Student Employment Program has limited funds available for undergraduate and graduate students who are unable to qualify for CWSP, but who desire to work to pay a portion of their educational expenses.
7. Scholarships may be based on academic achievements, special skills, talent, or a combination of financial need and academic achievement.
 - a. 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.
 - b. State of Idaho Scholarship Awards are available to incoming freshmen who are Idaho residents. Applications can be obtained from the high school counselor or the Office of the State Board of Education, 650 West State Street, Boise, ID 83720.
8. Guaranteed Student Loan (GSL) is a long-term moderate interest (7%, 8%, or 9%) loan available to undergraduate and graduate students, negotiated through the student's personal bank, credit union, savings and loan or other participating lender. A special application form is required on which the university must provide information for the lender. This form is available at the Financial Aid Office. Applications for Guaranteed Student Loans are accepted and processed continuously throughout the year. Repayment does not begin until 6 months after graduation or dropping below 6 credit hours. Non-residents should use loan forms appropriate for their states. Students with family incomes over \$30,000/year are required to show financial need to be eligible. Photocopies of tax returns are required to verify income level.
9. Short Term Loans are available to students with a minimum GPA of 2.00 who experience an emergency during an academic term. A special application form is required. Repayment of the loan must be made within 90 days.
10. Bureau of Indian Affairs and Idaho Migrant Council Tuition Assistance Program require special application forms which are available through the Financial Aid Office.

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 within 30 days or as indicated on the award letter. Students must reapply by the deadline each year to be considered for a financial aid award.

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.

Enrollment Status

Full-time Undergraduates = 12 credit hours attempted per semester

Admissions Information

Part-time Undergraduates = 6*-11 credit hours attempted per semester

Full-time Graduates = 9 credit hours per semester

Part-time Graduates = 5* credit hours per semester

*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.

Minimum Progression Rate Required: Minimum credits required for continued financial aid eligibility:

Sem	Bachelors		Associate		Masters	
	Full time	Part time	Full time	Part time	Full time	Part time
1	11	7	11	6	9	05
2	22	14	22	12	18	10
3	33	21	33	18	27	15
4	44	28	44	24	30	20
5	55	35	55	30*		25
6	66	42	64	36		30
7	77	49		42		
8	88	56		48		
9	99	63		54		
10	110	70		60		
11	121	77		64		
12	128	84				
13		91				
14		98				
15		105				
16		112				
17		119				
18		128				

Maximum Time Allowed for Completion of Degree/Certificate Objectives:

Degree/Certificate	Type of	Maximum time allowed for completion of degree	
		Full-time	Part-time
Master's		2 years	4 years
Bachelor's		6 years	9 years
Associate		3 years	4 years
Vo-Tech & Certif Programs		Within normal program length: 11 months, if in an 11-month program	

To qualify for the part-time completion time frame, the student must have enrolled part-time at least 50% of the time. At a minimum, Satisfactory Progress Review will be conducted annually after Spring semester grades are available. A student who does not complete the minimum number of hours required has the following options:

1. Enroll for the necessary number of hours during the summer term **WITHOUT SUMMER FINANCIAL AID**. Successful completion would re-establish aid eligibility for the following fall semester as long as the student is not on probation and meets all other eligibility requirements.
2. Enroll **WITHOUT FINANCIAL AID** and reapply for aid consideration once the minimum credit hour requirements have been made up.
3. Appeal in writing for exemption from this policy. Extenuating circumstances must be clearly documented.

Complete Withdrawals and Drops to Less than 6 Credits will not be counted as semesters attended, unless they occur successively more than once, after receiving financial aid.

Reinstatement: Students must no longer be on academic probation or deficient in the minimum number of credits completed to reinstate their eligibility for financial aid.

Appeals: The Financial Aid Office will consider written appeals for exemption of 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.

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

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

Completed application/contracts should be returned with the \$60.00 deposit to:

Student Residential Life
Boise State University
1910 University Drive
Boise, ID 83725

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.

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 that will accommodate 300 students (150 men and 150 women); Chaffee West is a women's hall with space for 145 students that 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 women's facility and Morrison an upper-class coed hall.

The Towers, located at the west end of campus, has six residential floors and accommodates 300 students with the bottom three floors for men and the top three floors for 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 10 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.

Application procedure: 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 \$60.00.

Board and Room Charges*

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 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.

Meal Options:

- 7 day/19 meals (breakfast, lunch, and dinner on Monday through Friday; brunch and dinner on Saturday and Sunday.)
- 7 day/14 meals (breakfast, lunch and dinner on Monday through Friday; brunch and dinner on Saturday and Sunday.)
- 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 of Education, Trustees for Boise State University.

1984-85 Prices:

Residence Rooms	Meal Options		
	1	2	3
Double:	\$2222	\$2192	\$2132
Single:	2562	2532	2472
Large Single:	2802	2772	2712

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

Included in 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.

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 there are no applications from student families. University Courts apartments have small and large one, 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 and/or fully matriculated student at Boise State University. 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.

Rental Rates Per Month (1984-85 prices)

University Courts	
Small One Bedroom	\$134.00
Large One Bedroom	\$176.00
Two Bedroom	\$206.00
Three Bedroom	\$236.00
University Heights	
One Bedroom	\$206.00
Two Bedroom	\$240.00
University Manor	
One Bedroom	\$206.00
Two Bedroom	\$240.00

The above prices are subject to change at any time by action of the State Board of Education.

The university is an equal opportunity institution and offers its living accommodations without regard to race, color, national origin, or handicap (as provided for in Title VI and Title IX and Sections 503 and 504 of the Rehabilitation Act of 1973).

Sororities and Fraternities

Sororities and Fraternities offer a small group living experience within the total university-recognized housing program. Fundamentally, each group is guided by the principles of friendship, scholarship, leadership, mutual respect, helpfulness, and service to the university community.

Three national sororities—Alpha Chi Omega, Alpha Omicron Pi, and Gamma Phi Beta—and four national fraternities—Alpha Tau Omega, Kappa Sigma Phi Epsilon, and Tau Kappa Epsilon—are actively involved at Boise State University. Membership is open to all full-fee 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.

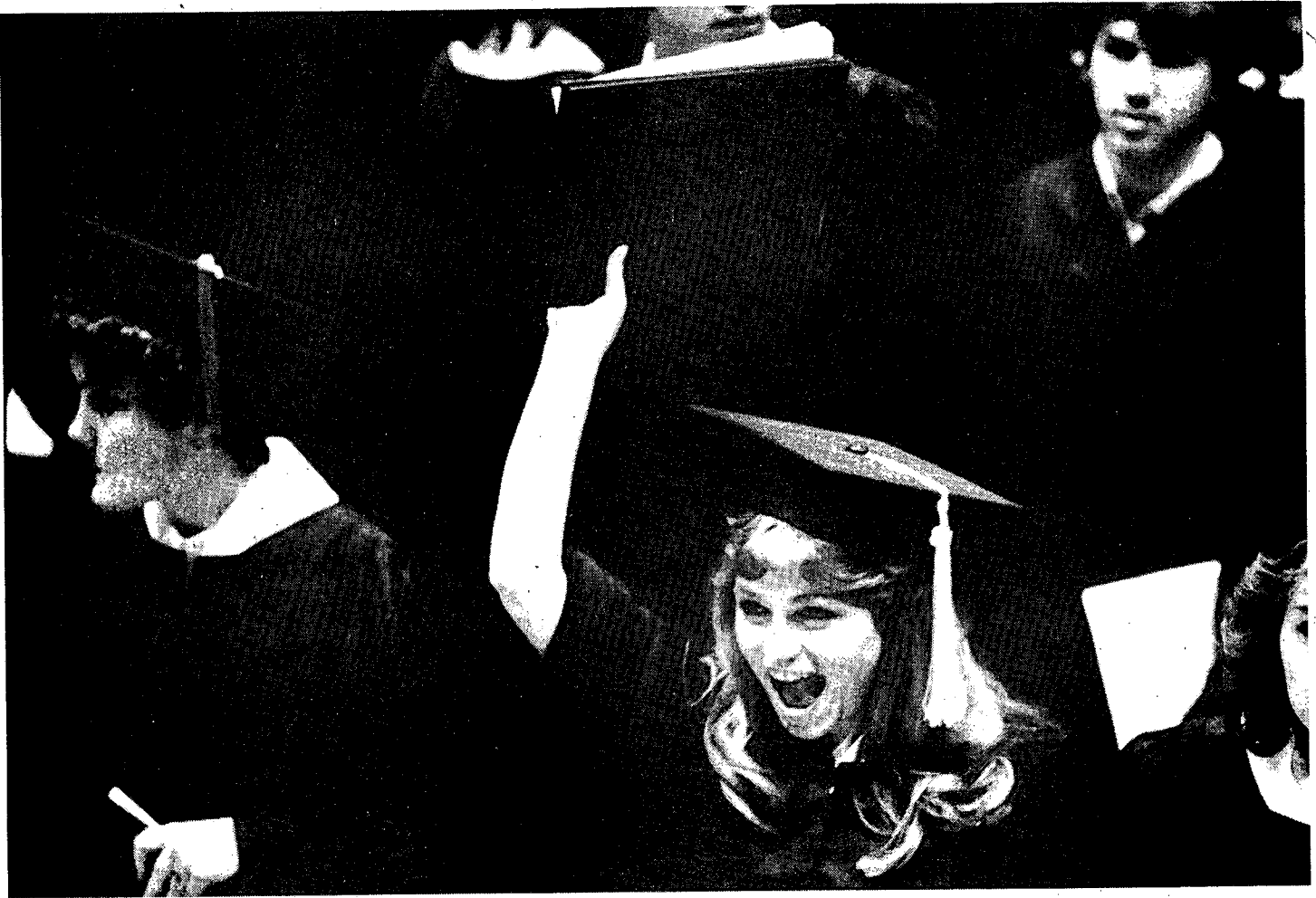
For additional information please contact the Student Activities Office, BSU, 1910 University Drive, Boise, ID 83725 (208) 385-1223.

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. BSU expects privately owned accommodations offered through its listing service to be operated in the same manner. Listings are accepted with this understanding.





Academic Information

Questions about academic regulations should be directed 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. Anyone with questions about the policy may consult with the Vice-President for Student Affairs.

The following is considered to be public or directory information unless specifically stated otherwise: name, local address, local telephone number, major field of study, dates of attendance, Boise State University degree, date degree conferred.

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, diploma, 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:

Academic Information

Undergraduate:

Full-time	12 or more undergraduate semester hours
¾-time	9-11 undergraduate semester hours
½-time	6-8 undergraduate semester hours
Less than ½-time	5 or fewer undergraduate semester hours

Graduate:

Full-time	9 or more graduate semester hours
¾-time	6-8 graduate semester hours
½-time	4-5 graduate semester hours
Less than ½-time	3 or fewer graduate semester hours

Students receiving veteran's benefits under the G.I. Bill enrolled for less than half-time will receive payment for registration fees only.

Veterans pursuing a second baccalaureate degree must have an official evaluation of their transcripts; official copies are forwarded to the V.A. Regional Office, the veteran, and the certifying official at Boise State University. Only the courses listed in the evaluation will be considered in determining V.A. educational payment. Graduate students taking a combination of undergraduate and graduate credits will be certified based on a formula to determine the credit hour load.

Veterans enrolled in courses that meet less than a standard semester (i.e. 12-week Mountain Home program, summer session, short workshops, etc.) will be certified based on a formula provided by the Veteran's Administration. More information can be obtained from the Veteran's Clerk in the Registrar's office.

Advising and Registration

Prior to registration or pre-registration, each student registering for the first time is assigned to a faculty advisor who helps the student identify academic requirements for graduation and complete 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. Students may change their advisor after the first semester in attendance by obtaining permission from the advising coordinator of their 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 in November for the spring semester.

Grading System

- A-Distinguished Work—4 quality points per hour
- B-Superior Work—3 quality points per hour
- C-Average Work—2 quality points per hour
- D-Pass but Unsatisfactory Work—1 quality point per hour
- F-Failure—0 quality points per hour
- P-Pass—Credit earned but no quality points
- I-Incomplete—No credit earned or quality points until grade is assigned
- W-Withdrawal—No credit earned or quality points
- AUD-Audit—No credit earned or quality points
- NR-No Record—No credit earned or quality points until a grade is assigned

A student academic status is determined by the grade point average. Grade point average is computed by adding the total quality points earned and dividing by the number of credit hours attempted. In GPA calculations, credit hours for grades of "P" are not used.

Computation of the Grade Point Average:

1. In computing the GPA, all courses appearing on the BSU transcript with a grade of A, B, C, D, or F are used unless a course is repeated to improve the grade, in which case, the first attempt at the course is ignored and only the grade and credits from the second attempt are used. This includes all courses taken at BSU as well as all those taken at other institutions and entered on the BSU transcript. The sum of the credits from these courses is known as the number of GPA credits attempted.
2. The computation: The GPA is computed only from courses that

contribute to the number of GPA credits attempted. For each such course, the number of credit hours is multiplied by a factor that depends on the grade received—4 for an A, 3 for a B, 2 for a C, 1 for a D, and 0 for an F. The sum of these products constitutes the number of quality points. The GPA is defined to be the quotient (rounded to the nearest hundredth) obtained by dividing the number of quality points by the number of GPA credits attempted.

Dean's List: To receive Dean's List recognition a student must have 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.

Incomplete Grades: A grade of incomplete can be given when the student's work has been satisfactory up to the last three weeks of the semester. Returning students must contact the instructor and consider the following options:

1. Make up the work within the first half of the current semester.
2. Request an extension of time of both instructor and department chairman.
3. Re-enroll in the course.
4. Request that the incomplete be changed to a "W."

If the student fails to contact the instructor by mid-semester, the instructor can change the incomplete to a letter grade or withdrawal or extend the incomplete into the next semester.

Repeat of a Course: A student who receives a grade of "D" or "F" may repeat the course under certain conditions to improve the grade. Independent studies, internships, and student teaching may be taken only once; they may not be repeated. Other courses may be repeated once to raise the grade, provided that the course is still offered. Degree credit for courses so repeated will be granted only once, but both grades shall be permanently recorded. In computing the GPA of a student with repeat courses, only the second grade and quality points shall be used.

Attendance and Absence from Class: Students are responsible for attendance in courses for which they are enrolled. No absences, whether approved by the university or necessitated by illness or other personal emergency, are "excused" in the sense of 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 course content. If students accumulate absences to the extent that further participation in the class seems to be of little value to them and detrimental to the best interests of the class, the instructor shall warn the student that they may fail the class.

Audit vs. Credit Registration: Students enrolled 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.

Registration and Student Status Changes

Questions about registration should be directed to:

Registrar's Office
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-3486

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 for 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. 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 Date" form from the Admissions Office information window. This form must be signed by the professor of each course and by their department chairman or 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.

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.

Withdrawal, Probation and Dismissal 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 A 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: 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
 - c. The student has not attained the required class standing for the course.
 - d. 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.

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 proba-

Academic Information

tion at the end of the next semester of attendance, is subject to dismissal from the university.

Hours Attempted	Minimum GPA	Hours Attempted	Minimum GPA	Hours Attempted	Min GPA
1	.00	23	1.78	45	1.89
2	.00	24	1.79	46	1.89
3	.33	25	1.80	47	1.89
4	.75	26	1.81	48	1.89
5	1.00	27	1.81	49	1.90
6	1.17	28	1.82	50	1.90
7	1.28	29	1.83	51	1.90
8	1.37	30	1.83	52	1.90
9	1.44	31	1.84	53	1.90
10	1.50	32	1.84	54	1.91
11	1.54	33	1.85	55	1.91
12	1.58	34	1.86	56	1.91
13	1.61	35	1.86	57	1.91
14	1.64	36	1.86	58	1.91
15	1.67	37	1.86	59	1.91
16	1.69	38	1.87	60	1.92
17	1.70	39	1.87	61	1.92
18	1.72	40	1.87	62	1.92
19	1.74	41	1.88	63	1.92
20	1.75	42	1.88	64	1.92
21	1.76	43	1.88	65 or more	2.00
22	1.77	44	1.89		

1. Academic Probation

- 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.
- 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 student dismissed from the university, may be reinstated by receiving favorable action on 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 the student who has 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.
- 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.)

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 school. Other petitions should be directed to the appropriate administrative offices.

Advanced Placement and Individualized Studies

Questions about Advanced Placement should be directed to:

Dr. William Mech, Director
Honors Program
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-1122

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 by the university, 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 CLEP test scores 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 489-570 (50-75th)*	4 credits in Area III
Score of 571 or above	8 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
Score of 567 or above	6 credits in Area I
Social Science—History Score of 489-568 (50-75th)	3 credits in Area II
Score of 569 or above	6 credits in Area II
<i>*National College Sophomore Norm Group</i>	

A student may earn a minimum of three (3) hours of lower division elective credit for each CEEB 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.

BSU Academic Departments currently accept CLEP Subject scores in

the following subject matter areas. (Minimum passing scores are indicated after each examination title):

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

CLEP Subject Matter Exam	BSU Equivalent Course, Credits
English Composition (50)	E 101, English Composition (3)
*College Composition (50)	E 101, English Composition (3)
*Freshman English (50)	E 101, English Composition (3)
Analysis & Interp of Lit (50)	E 102, English Comp (3)
*English Comp & Lit. (50)	E 102, English Comp (3)
#Biology (50)	B 100 Concepts of Biology (4)
General Chemistry (48)	B 101 & 102, General Biology (8)
College Algebra & Trig. (49)	C 107,108, Essentials of Chem (4)
Calc with Elem Functions (50)	or C131, 132 College Chemistry (4)
Calc with Analyt Geom (50)	M 111, Algebra and Trig (5)
Statistics (50)	M 204, Calcul & Anal Geom (5)
Intro to Accounting (50)	M 204, Calcul & Anal Geom (5)
Computers & Data Proc (50)	M361 Fundamentals of Statistics (4)
Introductory Sociology (50)	AC 205 Intro to Financial Accounting +
American Government (50)	AC206 Intro Manag Accounting(6)
+Intro to Business Law (60)	IS 210, Intro to Info Sci (3)
Introductory Marketing (50)	SO 101 Intro to Sociology (3)
General Psychology (50)	PO 101 Amer Natl Govt (3)
	GB 202 Business Law (3)
	MK 301 Princ of Marktg (3)
	P 101 General Psychology (3)

*Applies only to non-traditional students (An additional essay is required.)—several other alternatives are available to students directly out of High School.
 #Credits obtained by successful completion of this subject exam may be applied towards Area III requirements; it does not fulfill requirement for the Biology major.
 +The department will require one additional local exercise.

For information concerning time, place and cost of testing, contact the Counseling and Testing Center, 6th floor, Education Building, Room 611, phone 385-1601

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 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 departments currently accept AP test scores in the following subject areas:

AP Exam	BSU Equivalent Course & Credits
American History	HY 151-152 (6)
Art, Studio	AR 113-114 (4)
Biology	B 101-102 (8)
Biology (Alternatively)	BT 130-Z 130
Chemistry	C 131-134 (9)
English	E 101 (3)
English (Based on eval of essay)	E 102 (3)
French Level 3, Language	F 101-102 (8)
French Level 3, Literature	F 201-202 (8)
German Level 3, Language	G 101-102 (8)
German Level 3, Literature	G 201-202 (8)
Mathematics, Calculus AB	M 204 (5)
Mathematics, Calculus BC	M 204-205 (9)
Spanish Level 3, Language	S 101-102 (8)
Spanish Level 3, Literature	S 201-202 (8)

AP scores should be sent ATTN: Dean of Admissions

Credit by Examination (Challenge)

Students may challenge a university course, subject to department determination of appropriate courses, when they feel that they have



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. Students 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 they receive credit and no grade for the course if they pass 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 "S." 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.

Similarly, block transfer of academic program credit from an accredited institution of higher education into a specific vocational-technical program at Boise State University may be awarded as determined by the appropriate division, department, or committee.

No grade shall be assigned, and such transfer applies only to the agreed-upon-transfer program.

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.

General Course Information

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, a hyphen appearing 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 information (i.e., 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.
(0-4-0)	Indicates a laboratory without credit offered regularly each semester.
(2-0-2)(F/S)	Indicates 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, PERM/INST 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 the 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 college-wide standardized course numbers and titles are available to each department offering a major.

Independent Study (188 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.

188 Honors Independent Study (1-3 credits). An independent study experience to provide an Honor Student reading or project studies. 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 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/or 493) can be used to meet department and/or university graduation requirements. Each internship must receive approval from 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)*

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. 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 requisites; 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.

580-589 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 Master's 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.

Graduation Requirements

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 III, Natural 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 science concepts to fulfill Area III.

In addition, BA 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 BA 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 III, 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
 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 of 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.

Area II—Social Science

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 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

*Only 6 credits of IH courses may be taken to satisfy core requirements.
 +Students who take EC 201 or 202 may NOT receive credit for EC 210.
 @HY 201 and 202 are NOT open to students who have taken HY 101 or 102 for credit.

Area III—Natural 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
 *C 132 Laboratory for College Chemistry
 %C 133 College Chemistry
 *C 134 Laboratory for College Chemistry
 EN 100 Energy for Society
 ++GO 100 Fundamentals of Geology
 GO 101 Physical Geology
 GO 103 Historical Geology
 M 100 A Cultural Approach to Mathematics
 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 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
 PH 224 Physics Lab II
 Z 130 General Zoology

#Students CANNOT receive credit for B 101 and B 102 if they earned credit for B 100, BT 130 or Z 130. Effective fall, 1985, B 101-102 will no longer be taught.

*Concurrent enrollment in the appropriate lecture is required.

%Students CANNOT receive credit for C 109 or C 133 if they received credit for C 100.

++Open to All students except those with previous credits in Geology, or Earth Science majors, or non-science majors who plan an eight hour sequence in Geology.

Academic Information

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 four 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. Students are permitted to combine programs from different catalogs, but may choose to graduate on the basis of the catalog of any year they have been registered providing that the catalog was in effect not more than six academic years prior to graduation.

Baccalaureate Degrees

Minimum Graduation Requirements (Credits)

All Baccalaureate Degrees

General College Requirements (minimum)

1. Total credit hours 128
Must include:
English Composition E 101, 102 3-6
Upper Division credit hours 40
2. Grade Point Average
For all Courses taken 2.0

Other College Requirements

3. Minimum requirements for one of the degrees offered.
4. Specific Requirements for a departmental major.
 - a. Students must have a minimum cumulative 2.00 GPA in all courses required by their major.
 - b. Students will not be allowed credit toward their major department requirements for any grade of "D" in upper division courses in their major department.
 - c. Understanding and application of computers constitute an important component in the preparation of graduates from Boise State University. To accomplish this mission, Boise State University graduates must be able to make use of the computer for tasks appropriate to their discipline. Each department identifies competency standards for its majors.
5. A minimum of 15 credit hours of electives outside of the major field.
6. 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 their 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

Students may be granted a single baccalaureate degree with more than one major, providing that they satisfy 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 3 or 6*
2. Area I Requirements Arts & Humanities 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
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

*Determined by student core on ACT exam. See General University Requirements (Core).

4. Area III Requirements
Natural Science-Mathematics 12
 - a. A year's sequence chosen from:
 - 1) Biological Sciences
Mathematics
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 of Physical Science or A cultural Approach to Physics, but not both

5. Students seeking the BA degree must have an additional 9 credits chosen from courses in any of the following disciplines:

Art	Communication
Humanities	Economics
Literature*	Geography
Music	History
Philosophy	Political Science
Theatre Arts	Psychology
Foreign Language (201 or higher of one language)	Social Work
Anthropology	Sociology
	Teacher Education

6. Departmental major

*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.

Bachelor of Science Degree

MINIMUM REQUIREMENTS (CREDITS)

1. General University requirements
English Composition E 101, 102 3 or 6*

- 2. Area I requirements
Arts & Humanities 12
Three fields must be represented
- 3. Area II requirements
Social Sciences 12
Three fields must be represented
- 4. Area III requirements
Natural Sciences-Mathematics 12
Two fields must be represented

- 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.S. degree must have an additional 9 credits chosen from courses in any of the following disciplines:

Anthropology	Mathematics
Biology	Physics
Chemistry	Political Science
Communication	Psychology
Economics	Social Work
Engineering	Sociology
Geography	Teacher Education
Geology	Physical Science
History	

6. Departmental Major

*Determined by student core on ACT exam. See General University Requirements (Core).
+The Physical Sciences include courses in Chemistry, Geology, Physical Science and Physics.

Bachelor of Business Administration Degree

MINIMUM REQUIREMENTS (CREDITS)

- 1. English
English Composition E 101, 102 3-6*
- 2. Area I requirements
Arts & Humanities 6
- 3. Area II Requirements
Social Sciences 12
Economics 6
Area II credits other than in Economics 6
- 4. Area III Requirements 12
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
Introduction to Descriptive Astronomy PH 105
Fundamentals of Geology G 100

- 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	Geography
Humanities	History
Theatre Arts	Political Science
Art	Psychology
Music	Social Work
Philosophy	Sociology

Foreign Language (201 or higher of 1 language)	Teacher Education
Area II	Area III
Anthropology	Biological Sciences
Communication	Mathematics
	Physical Sciences

*Determined by student score on ACT exam. See General University (CORE) Requirements.

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

Bachelor of Fine Arts Degree

MINIMUM REQUIREMENTS (CREDITS)

- 1. General University Requirements
English Composition E 101, 102 3-6*
- 2. Area I Requirements
Arts & Humanities 9
a. Literature 6
Other courses 3
b. No fewer than 3 credits selected from:
Introduction to Music
Introduction to Theatre
Introduction to Humanities
Introduction to Philosophy or Ethics
Foreign Language (201 or higher of one language)
- 3. Area II Requirements
Social Sciences 9
a. Lower Division History 3
b. Other courses 3
No fewer than 3 credits selected from:
Political Science
Social Work
Sociology
Teacher Education
Anthropology
Communication
Psychology
Economics
Geography
c. No fewer than 3 additional credits selected from:
Areas 3a and 3b above 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
Intro 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#

+The Physical Sciences include courses in Chemistry, Geology, Physical Science and Physics.
#A candidate for the BFA degree must have Art Department approval during his/her junior year.

Bachelor of Music Degree

MINIMUM REQUIREMENTS (CREDITS)

- 1. General University Requirements
English Composition 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

Academic Information

3. Area II Requirements 9
- Social Sciences 9
- History 3
 - Three credits in a second field 3
 - Three credits in any of the following fields 3

*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.

Anthropology—AN	Political Science—PO
Communication—CM	Psychology—P
Economics—EC	Social Work—SW
Geography—GG	Sociology—SO
History—HY	Teacher Education—TE

4. Foreign Language and Area III Requirements 8

- Performance and Theory—Composition Majors:
A year's sequence of a foreign language 8
- Music Education Majors:
A year's sequence of a foreign language 8
OR
A year's sequence chosen from:
Biological Sciences
Mathematics
Physical Sciences OR
Any two of the following courses:
Concepts of Biology
Concepts of Chemistry
Fundamentals of Geology
Mathematics for Liberal Arts Student
Foundations of Physical Science Introduction to Descriptive Astronomy

- A major in music with emphasis in Performance, Theory and Composition, or Music Education, meeting all specific requirements of the Department of Music as explained elsewhere in this Catalog.

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
- Electronic Service Technology
- Electronics-Semi-Conductor Technology
- Electronics 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	Philosophy
Humanities	Theatre Arts
Literature	Foreign Language (201 or higher)

Music
*Area II (must have three fields) 12

Anthropology	History
Communication	Political Science
Economics	Psychology
Geography	Sociology
Social Work	Teacher Education

*Area III (must have two fields) 12

Biology	Mathematics
Chemistry	Physical Science
Geology	Engineering

Additional nine (9) credits from Areas II and III.

Electives to total sixty-four (64) credits.

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

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 Admission 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.

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

Associate of Arts Degree

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	8 Cr
Major Requirements	12 Cr
Electives	14 or 17 Cr
	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

Degree codes

CODE DESCRIPTION

AA	Associate of Arts
AAS	Associate of Applied Science
AS	Associate of Science
BA	Bachelor of Arts
BAS	Bachelor of Applied Science
BBA	Bachelor of Business Administration
BFA	Bachelor of Fine Arts
BM	Bachelor of Music
BS	Bachelor of Science
CC	Certificate of Completion (Vo-Tech)
DIP	Diploma
END	Teacher Education Endorsement
MA	Master of Arts
MBA	Master of Business Administration
MPA	Master of Public Administration
MS	Master of Science
TE	Teacher Certification

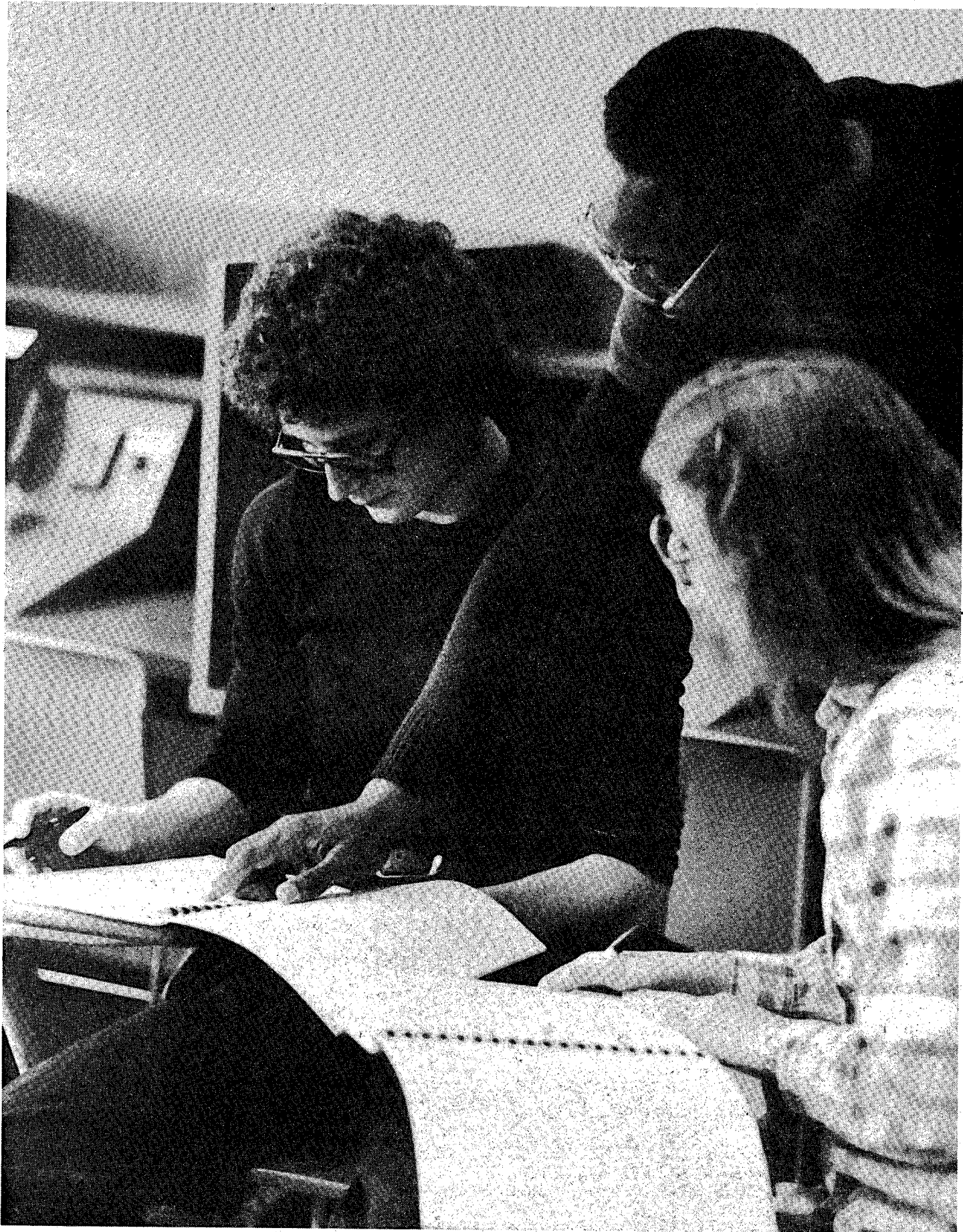
Degree names and abbreviations

- Accounting (BBA, BA, BS)
- Administrative Services (BBA, BA, BS)
Business Education Option
- Advertising Design (BA, BFA)
- Agricultural Equipment Technician (CC)
- Air Conditioning, Refrigeration, Heating (CC)
- Anthropology (BA)
- Anthropology, Social Science, Secondary Education (BA)
- Art, General (BA, BFA)
- Art, Secondary Education (BA, BFA)
- Auto Body (CC)
- Automotive Mechanics (CC)
- Bachelor of Applied Science (BAS)
- Biology (BS)
- Biology, Secondary Education (BS)
- Business Machine Technology (AAS)
- Chemistry (BS)
- Chemistry, Secondary Education (BS)
- Child Care Studies: Day Care Assistant (CC)
- Child Care Studies: Teacher-Supervisor (AAS)
- Communication and English Combination (BA)
Journalism
Communication
- Communication (BA)
Interpersonal Communication
Mass Communication
Journalism Communication
- Communication, Secondary Education (BA)
- Construction Management (BS)
- Criminal Justice Admin (AS, BA, BS)
- Culinary Arts (CC)
- Dental Assisting (CC)
- Drafting Technology (AAS)
- Earth Sci Educ, Secondary Educ (BS)
- Economics (BBA, BA, BS)
- Economics, Social Science, Secondary Ed (BA, BS)
- Electrical Lineworker (CC)
- Electronics-Semi-Conductor Technology (AAS)
- Electronics Service Technician
- Electronics Technology (AAS)
- Elementary Education (BA)

Areas of Specialization:

- Early Childhood Education (Certification)
 - Library Science (Endorsement)
 - Reading (Endorsement)
 - Special Education (Certification)
- Elementary Education-Bilingual-Multicultural (BA)
 - English (BA)
American Literature
British Literature
General Literature
General Liberal Arts
Linguistics
World Literature
Writing
 - English, Secondary Education (BA)
 - Environmental Health (BS)
 - Finance (BBA, BA, BS)
 - General Business (BBA, BA, BS)
 - Geology (BS)
 - Geophysics (BS)
 - Health Sciences (BS)
 - Heavy Duty Mechanics—Diesel (CC)
 - History (BA)
 - History, Secondary Education (BA)
 - History, Social Science, Secondary Educ (BA)
 - Horticulture Service Technician (AAS)
 - Industrial Plant Maintenance (CC)
 - Information Sciences (BBA, BA, BS)
 - Machine Shop (AAS Diploma)
 - Management (BBA, BA, BS)
Behavioral
Aviation
Industrial Relations
 - Marketing (BBA, BA, BS)
 - Marketing Mid-Management (AS)
 - Marketing-Mid Management (AS)
 - Master of Business Administration (MBA)
 - Mathematics (BA, BS)
 - Mathematics, Secondary Education (BA, BS)
 - Medical Record Science (AS)
 - Medical Technology (BS)
 - Multi-Ethnic Studies (BA)
 - Music (BA, BM)
Performance
Theory-Composition
 - Music Education (BM)
 - MA-MS in Education (MA, MS)
Art
Business Education
Earth Science
English
History
Mathematics
Music
Reading
Special Education
Early Childhood
Curriculum and Instruction
 - Nursing (AS, BS)
 - Office Occupations (CC)
 - Parts Counterman (CC)
 - Philosophy (BA)
 - Physical Education (BS)
Secondary Education Option
Non-Teaching Option

- Physics (BS)
- Physics, Secondary Education (BS)
- Political Science (BA, BS)
Political Philosophy
American Government Systems & Process
Political Science
International Relations
Public Administration
- Political Science, Social Science, Secondary Educ (BA, BS)
- Practical Nursing (CC)
- Pre-Architectural Program (-)
- Pre-Dental Hygiene (-)
- Pre-Dietetics (-)
- Pre-Engineering (-)
- Pre-Forestry & Wildlife Management (-)
- Pre-Medical & Pre-Dental (BS)
Biology
Chemistry
- Pre-Occupational Therapy (-)
- Pre-Optometric (-)
- Pre-Pharmacy (-)
- Pre-Physical Therapy (-)
- Pre-Technical Sequence (-)
- Pre-Veterinary Medicine Studies (BS)
- Production Management (BBA, BA, BS)
- Psychology (BA, BS)
- Public Administration (MPA)
- Quantitative Management (BBA, BS, BA)
- Radiologic Technology (AS, BS)
- Real Estate (BBA, BA, BS)
- Respiratory Therapy (AS, BS)
- Small Engine Repair (CC)
- Social Science (AA, BA)
- Social Work (BA)
- Sociology (BA, BS)
- Sociology, Social Science, Secondary Education (BA)
- Surgical Technology (CC)
- Theatre Arts (BA)
- Theatre Arts, Secondary Education (BA)
- Wastewater Technology (CC)
- Welding, 11 Month (CC)





Student Services

Questions about Student Services should be directed to:

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

Boise State provides a variety of services, programs and activities 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 new 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/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 enrolled in the university assume an obligation to conduct themselves in a manner compatible with its function as an educa-

tional 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, students should establish early in their freshman year a close working relationship with their faculty advisor, a relationship that will facilitate the student's chances of successfully staying in the university and completing their degree in the normal four-year period.

Cultural Opportunities

The art, music, and theatre arts departments stage a number of shows throughout the year, most often with students as participants. The art department sponsors art shows of both regional and nationally known artists, and in conjunction offers workshops with the artists. Each spring, the department holds a student show, displaying outstanding work done during the year.

In the Music Department, the Symphonic Band and University Singers are open to all students without audition. Meistersingers, the BSU Orchestra Music Theatre, the Jazz Band and other ensembles are open to students by audition, and credit is available for most. Faculty members perform in the Faculty Artist Series each month.

The Theatre Arts Department schedules four to eight productions each year, all open to students. The department also hosts a secondary school festival each February and a children's theatre tour each spring.

Most of the performances on campus are held in either the Morrison Center or the Special Events Center.

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 student request. 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 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 ASBSU executive branch 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 more than 90 ASBSU-recognized student organizations on campus representing a variety of interests and concerns. These organizations include special interest groups that 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; the Student 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 is 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.

Recreation

The university has three main indoor recreational facilities—the Pavilion Auxiliary Gym, the Main Gym, and the PE Annex. Housed in these buildings are two gymnasiums, a swimming pool, two weight rooms, five racquetball courts, an indoor jogging track, mat room and equipment room. Outdoor recreation facilities include playing fields and tennis courts. All recreation facilities on campus are available for use by students when classes, intramurals and varsity sports are not using them. Hours are posted at the individual facilities.

The Intramural Program offers league and tournament play in a variety of lifetime sports and recreational activities, including softball, tennis, powderpuff football, touch football, volleyball and inner tube water polo.

The Intramural/Campus Recreation Office also checks out many types of recreational equipment to students free of charge. For more information about any type of recreation program, contact the office at 385-1131.

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 IAA, 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.

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 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, academic awards banquet, golf tournament, regional meetings, and the annual reception before the first football game of the year for all alumni and friends of the university.

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. Currently enrolled full or part-time students are eligible to receive tutorial assistance without charge if they are having problems 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/or small groups of students through liaison faculty members and professional staff from the Office of Student Special Services.

Reading and 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 note-taking, 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 and Testing Center

Students with personal, vocational, or educational concerns and problems may receive professional assistance in the Counseling Center (6th floor, Education Building) without charge if they are enrolled in six credit hours or more. In counseling, students may discuss openly in strictest confidence and explore freely any problems or feelings that concern them. 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 help students 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.

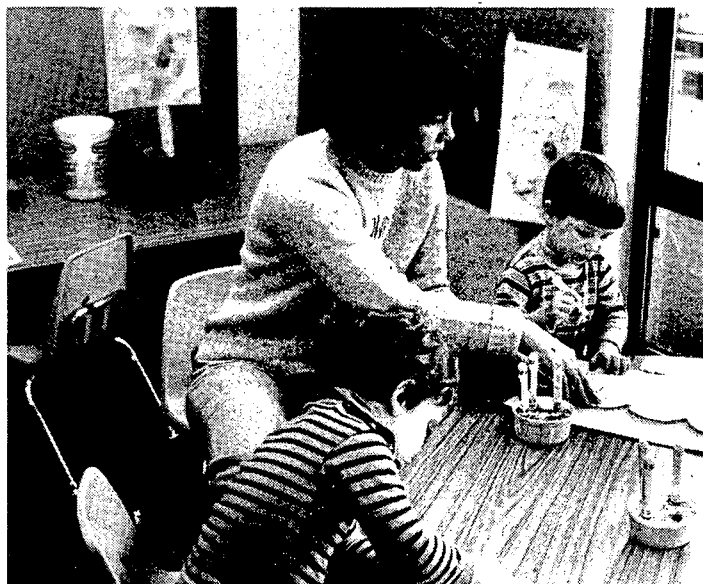
Disabled Student Program

The university has made special efforts for more than 10 years to provide facilities, services, and program accessibility to physically disabled or handicapped students and staff. All but one of the main floors 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, Visualek, 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 assisting devices.

Multicultural Board

The Multicultural Board offers various academic, cultural, social, and recreational activities and events to all students. The Board also to 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. Care for children of faculty and staff or 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 as 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 state 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

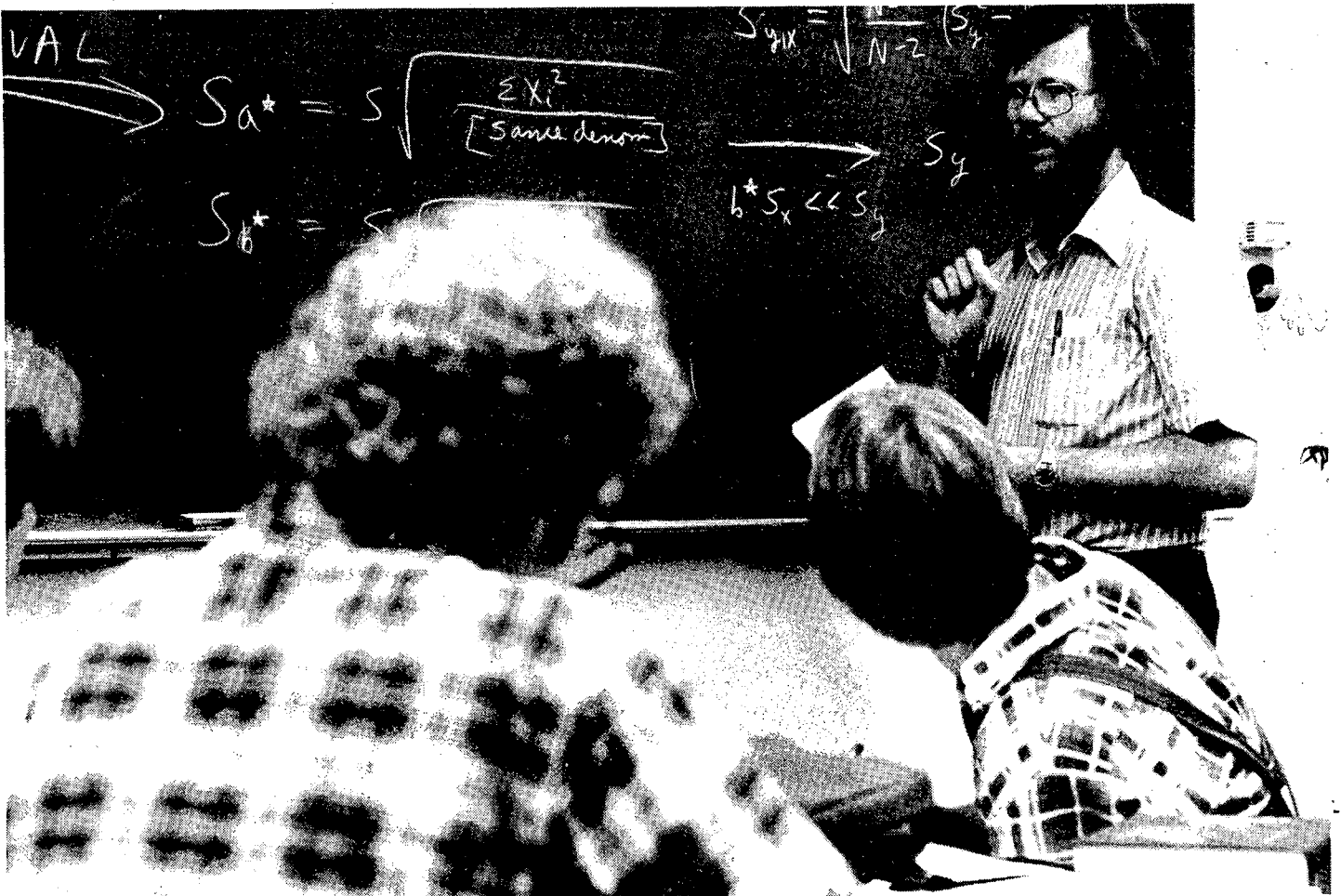
The Student Health Service is located at 2103 University Drive, directly across from Campus Elementary School. Clinic hours range from 9:00 a.m. to 4:00 p.m., Monday through Friday each day classes are in session. Outpatient medical care is rendered to full-time registered students within the capability 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 Service is equipped to care for more than 90 percent of 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.





Academic Enrichment and Special Programs

Honors Program

Questions about the Honors Program should be directed to:

Honors Program
William P. Mech, director
Library Building, Room L 408G
Telephone (208) 385-1122

Statement of Purpose: Admission to the Boise State University Honors Program is an opportunity for continued growth and excellence, not a reward for past accomplishments. The fundamental purpose of the program is to encourage and support efforts on the part of students to assume greater responsibility for their own education. The program is designed for promising, motivated students who are interested not only in learning the material offered in courses, but in learning to learn.

Eligibility: The Honors Program welcomes applications from students in all university departments. A student may be admitted to the program based upon evaluation of the individual's academic record and an interview. Automatic admission is granted to incoming freshman with a 3.5 high school G.P.A. and a score at or above the 88th percentile on the composite part of the ACT or SAT. Automatic admission is granted to transfer students from other colleges and universities who have a college G.P.A. of 3.3 and a recommendation from a faculty member at Boise State or their former school.

It should be emphasized that these criteria are for automatic admission to the program. All interested students are strongly encouraged to apply, for evaluations are made on an individual basis. Students who are not able to meet these standards may be granted a provisional admittance, or simply asked to reapply after completing one semester at Boise State.

Honors Courses: Honors courses are designed to be more thorough, rigorous, and in some cases more accelerated versions of regular departmental listings. A basic difference between an honors course and the typical university course is that a seminar format is generally used in honors offerings to encourage critical, creative thinking in a more personalized atmosphere.

Each honors student takes special honors courses, some of which are expected of all students in the program. Honors courses are designated by an "H" on a student's transcript, so graduate schools and employers can easily determine the extent of each student's academic involvement in the program. In every case, the student pursues work in the major department to prepare for professional or graduate work.

Honors courses fall into three basic groups: departmental honors courses, honors colloquia, and honors seminars. For a listing of current honors courses, consult the latest BSU class schedule or honors newsletter, which is published several times a year.

Additional Academic Opportunities: The Honors Program is both directly and indirectly involved in several other programs that benefit

Academic Enrichment, Special Programs

its students. They include: Independent Study, Advanced Placement, Internship, Credit by Examination (Challenge), College Level Examination Program (CLEP), and Honors Studies Abroad.

The Summer Reading Program allows honors students to earn from one to three credits while away from the campus during the summer months. The student meets with a faculty supervisor sometime in the spring and together they work out a reading project which the student completes during the summer. The summer reading course is included in fall registration, because the brief written report and oral examination are completed after the fall semester has resumed. Entering freshman who have enrolled at BSU and have been accepted into the Honors Program may participate.

While the Honors Program aims at enrichment more than acceleration, through advanced placement, summer reading and extra courses, the honor student may graduate in less than the usual four years.

Scholarships: The honors staff assists students in applying for prestigious and lucrative graduate and undergraduate scholarships like the Rhodes, Marshall, Truman, and Fulbright. The Rhodes and Marshall Scholarships pay fees and living allowance for study at an English university. The Truman Scholarship is awarded to qualified individuals interested in a career in public service. The Fulbright Scholarship is designed for graduate study and research abroad with the aim of increasing understanding between people in the U.S. and other countries.

Interdisciplinary Studies in the Humanities

A new view of human nature is what students take away from the Interdisciplinary Studies in the Humanities program.

Faculty from varying disciplines and colleges offer team-taught courses focusing on the humanistic element of the subject matter. More than 30 faculty members from the Colleges of Arts and Sciences, Business, Education, and the School of Social Sciences and Public Affairs participate.

At the center of the program is a core humanities course, **Humanities: A View of Human Nature**—and with instructors from English, history and philosophy. It is a two semester, 12-credit hour course in which students can fulfill six Area I requirements.

Each semester, additional courses are offered with a special topics designation, chosen because of their relationship to humanistic issues raised in the core class. The courses provide faculty the opportunity to develop innovative courses that cross traditional disciplinary boundaries and offer students the chance to explore humanistic issues from at least two perspectives.

The interdisciplinary program also offers a three-hour special topics class; **The Ascent of Man**, a film-lecture course focusing on the biological and cultural evolution of human kind.

Interdisciplinary Courses

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

Honors

HP 198, 298, 398, 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 register during fall registration and 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 ex-

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

General Science

GS 501 History (3 credits). (Course description in Part 8, Graduate College, of this catalog.

Interdisciplinary Studies in the Humanities

IH 101 Humanities: View of Human Nature I (3-0-3)(F). Especially designed for non-humanities majors, this team-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 humanistic understanding, and the impact of experience on the individual. **PREREQ:** Completion of or concurrent enrollment in E 101.

Humanities: A View of Human Nature II (3-0-3)(F). As a continuation of IH 101, this lecture/discussion course focuses on humanistic perceptions and assumptions concerning how people understand and respond to society and what motivates people to accept or reject society and what motivates people to accept or reject social norms. The final unit will focus on forms of alienation and how individuals respond to social pressure. **PREREQ:** IH 101.

IH 111 Humanities: A View of Human Nature, III, "Consciousness and Human Imagination (3-0-3)(S). 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 inherent and relative values. **PREREQ:** Completion of, or concurrent enrollment in E 101.

IH 112 Humanities: A View of Human Nature, IV, "Human Choices and the Future" (3-0-3)(S). This course assumes that the future will be shaped through human choice 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 18 credit hours, of which six are required, is designed to compliment any university major. The program is interdisciplinary in its approach and at the same time permits students to pursue their interest areas in Canadian Studies. Students in business, health, education, and the liberal arts are encouraged to pursue the program. Upon successful completion of the 18 credit hours, the student will receive a certificate of completion, which will be noted on the transcript.

Canadian Studies Courses

CN 101 Canada: Land and People (3-0-3)(F-Alternate uneven 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, 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 national/international interest. Detailed study of modern Canadian life and culture, literature,

economic development, foreign affairs, conservation, and provincial/national relationships are focused. Open to all students. Required of CN Minors.

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 328	Lectures avancées de la poésie et de la prose françaises
F 359	Les grandes oeuvres contemporaines (1939 to the present)
F 376	La Civilization française historique
F 377	La Civilization française 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.

Independent Study

The independent study experience provides individual study opportunities of reading or project nature.

Any department that contains a baccalaureate or graduate degree program is authorized to offer independent study. The course numbers identifying independent study are not listed in the class schedule. 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 one to four credits of independent study per semester. A total of nine credits counted toward graduation can be taken, with no more than six credits taken in any given academic year.

Lower division honors program students are eligible for 1 to 3 credits of honors independent study per semester. No more than three credits per semester or more than six in an academic year can be taken.

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.

Special Programs and Services

Continuing Education: Regular university courses, non-credit seminars, short courses or workshops on many practical topics are available through the Continuing Education Program. Continuing Education serves a wide geographic range as well—10 Southwest Idaho counties, from New Meadows on the north, Glens Ferry on the east, the Nevada border on the south and the Oregon border on the west. Courses will be taught in any of these locations.

Courses can be designed to meet the needs of school districts, organizations, industries and businesses.

Summer Session Program: A full complement of programs, courses, and services is offered during the summer through Continuing Education. Graduate, undergraduate and non-credit programs and courses are presented in several time block sessions on campus. There are two five-week, an eight-week session and a 10-week session. For more information, contact the Office of Continuing Education/Summer Sessions/Evening Programs.

Mountain Home Air Force Base Program: The university now offers a bachelors degree in business administration as well as undergraduate and graduate, 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: The program 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.

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 the United States.

Boise State University is affiliated with the Northwest Institutional Council for Studies Abroad (NICS), a consortium of universities that since 1969 has sponsored liberal arts programs in London, England; Avignon, France; Guadalajara, Mexico; and 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 on its overseas campus in San Sebastián, 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, in 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 can 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 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.

Selected, qualified students receive scholarships for two, three, or four years that pay for tuition, fees, books and laboratory costs each year and also receive \$100 a month retainer pay for 10 months each year. During the final two years all students receive \$100 subsistence pay a month for up to twenty months. Texts and equipment are provided. Travel to and from summer camp plus food, quarters, and basic pay are paid by the government. For detailed information, see the Department of Military Science listing in the College of Arts and Science section of this Catalog.

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 Servicemember's 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 crediting learning from appropriate military training

Academic Enrichment, Special Programs

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 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 before the signing of the contract will be waived.
5. Acceptance of any servicemember into the SOC Program is contingent on 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.



Educational Talent Search: Educational Talent Search, located in Room 111 of the Administration Building, is a federally-funded program that encourages low-income youth between the ages of 14 and 27 to attend college by providing admissions and financial aid counseling.

Adult Basic Education: Basic literacy training for adults in community is offered through Adult Basic Education in the Vocational Technical School for those who want 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 prepares adults who wish to take the General Educational Development Test to qualify for the Idaho high school equivalency certificate.

Special Interest Group Courses and Programs: Offerings 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: The High School Equivalency Program was developed for migrant and seasonal farmworker students 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: Upward Bound 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 and is sponsored by the Department of Teacher Education.

Bilingual Teacher Training Program: Bilingual Teacher Training, part of the Department of Teacher Education, prepares 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.

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 Services: The faculty and staff 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: BSU will make available meeting rooms and classroom facilities to various community groups and agencies.

Educational Media Services: A large collection of educational media materials is housed at EMS in the BSU 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.

Center for Data Processing: 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 inservice lectures about data processing are available on request.

The Visiting Scientist Program: The College of Arts and Sciences has

a number of faculty members who are willing to make prepared presentations of about 40 minutes to high school science and mathematics classes on appropriate topics. This 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 Office of University Relations; phone 385-1577.

Public Affairs and Enrichment programs: Boise State University offers great variety in its program of public affairs and cultural enrichment, with many events presented at no charge. Some of the events that provide opportunities of participation and observation include:

- | | |
|------------------------|---|
| University Band | Faculty Lecture Series |
| Theatre Productions | Forums of Particular Arts |
| Opera Workshop | BSU Community Symphony Orchestra |
| Choirs | Demonstrations in various fields of study |
| Traveling Art Exhibits | Programs of outstanding artists and lecturers |
| Concerts and Recitals | |

Public Television: KAID-TV is a non-commercial, public broadcasting station on the BSU campus. It provides to Treasure Valley residents instructional programs for public education, higher education and the community. BSU courses also are offered over Channel 4. An affiliate of the Public Broadcast Service, the station also produces and airs public television programs of wide cultural and public interest to the citizens of Idaho.

Instructional Television Fixed Service: ITFS is a special multi-channel television service that allows the university to transmit courses and other activities on campus to specific sites, primarily to businesses, industries, corporations, hospitals and schools within a 30-mile radius. The broadcasts are live and "interactive"—instructors and participants communicate by telephone.

Cable Public Access Channel: BSU operates Cable Television Channel 27 through its Communication Department as a public access station. Channel 27 is a cooperative venture between BSU and United Cable. The station serves as a training facility for students while providing alternative programming for the Treasure Valley area.

Idaho Business Development Center: A variety of assistance programs to businesses throughout the state is offered through BSU's new Idaho Business Development Center. The center marshalls the resources of the state's three universities to provide a network of expertise. It offers skill development programs and technical assistance and is compiling a directory of resources for businesses.



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.

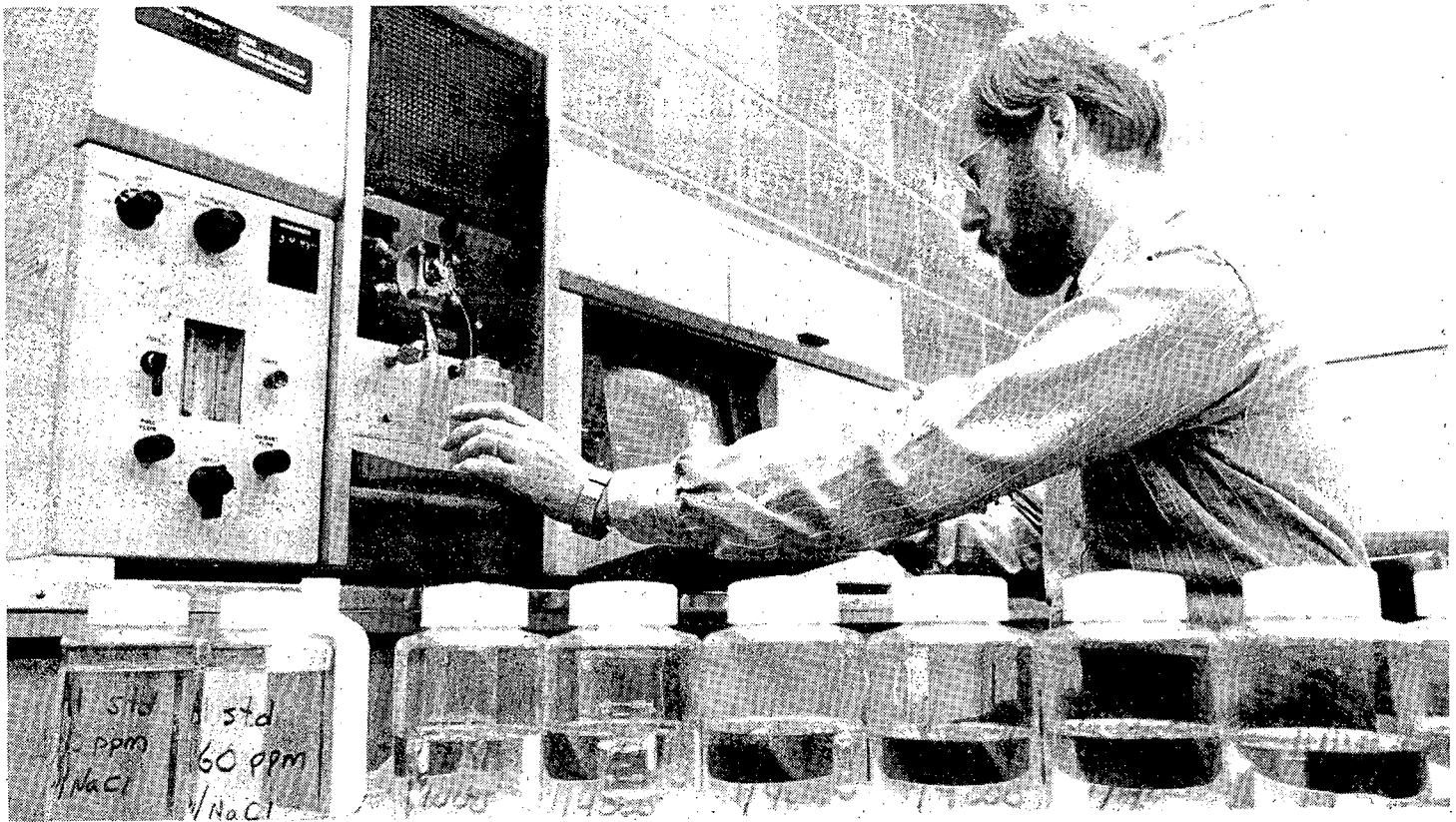
Because the university is surrounded by several businesses, government agencies, and health care facilities, internships and cooperative education opportunities are available in nearly every major field.

For more specific information, students should consult the academic department that offers the program.

The following are some of the common internship and cooperative education experiences available:

1. College of Arts and Sciences
 - a. Social Work internships or cooperative education with various government agencies
 - b. Mathematics internships or cooperative education with government departments, corporations and education
 - c. Biology internship/cooperative education with state and federal agencies research laboratories and educational institutions
 - d. English internships or cooperative education in writing laboratory and developmental writing programs on campus
 - e. Communication internships or cooperative education with many government and business enterprises
 - f. Political Science internships or cooperative education with the Idaho legislature
 - g. Construction Management internships or cooperative education with local contractors
2. College of Business
 - a. Accounting/Data Processing internships or cooperative education with local businesses
 - b. Business Education and Office Administrative internships or cooperative education with local businesses
 - c. Marketing/Mid-Management internships or cooperative education with local businesses.
3. College of Education
 - a. Elementary, secondary, and physical education student teaching psychology internships or cooperative education
 - b. Athletic training and coaching internships.cooperative education
4. College of Health Sciences
 - a. Supervised clinical practice in local health care facilities for students in Allied Health and Nursing programs
 - b. Pre-medicine, pre-dental, pre-veterinary medicine, pre-physical therapy internships or cooperative education with individual health care practitioners
 - c. Environmental Health internships or cooperative education with district health agencies and the Environmental Protection Agency
5. School of Vocational Technical Education
 - a. Internships and cooperative education between Vocational Technical Education programs and industry.





College of Arts and Sciences

Dean: William J. Keppler, Ph.D.

Associate Dean: Margaret Peek, Ph.D.

College of Arts & Sciences Emeriti: Allison, Best, Bratt, Chatterton, deNeufville, Emerson, Hahn, Jones, Marshall, Mitchell, Obee, Power, Smartt, Spulnik, Sylvester, Wallace, Warner, Warwick, Winans

Philosophy

The philosophy of the college 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 College 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 College of Education programs elsewhere in this Catalog).
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

Departments within the College of Arts and Sciences sponsor a variety of activities that are additions to the traditional curriculum. The English Department is the home of several publishing ventures including the *cold-drill*, BSU's national award-winning student literary magazine; Ahsahta Press, which publishes poetry by western poets; the Western Writers Series, booklets about the lives and works of western authors; and Poetry in Public Places, posters distributed to several schools and other locations throughout the Northwest.

The Biology Department is affiliated with the World Center for Birds of Prey, a research and breeding center for raptors located near Boise, and the Communication Department includes a new public access cable television station and the student radio station KBSU.

The Frank Church Public Affairs Conference, sponsored by the School of Social Sciences and Public Affairs, annually brings noted speakers and scholars on campus.

Students can participate in many activities sponsored by the departments in the College, including art exhibits (Art), debate and reader's theater (Communication), production of plays, both during the academic year and in the summer (Theatre Arts), student recitals and ensemble concerts (Music), and a variety of student tours to such events as the Shakespeare Festival in Ashland, Oregon.

Department of Art

Liberal Arts Building, Room 252 Telephone (208) 385-1230

Chairman and Professor: Louis A. Peck; Professors: Huff, Killmaster, Kober, Roberts, Skov, Takehara; Associate Professors: Blankenship, Douglass, Heap, Miller, Ochi, Oravez, Russell, Watia; Assistant Professors: Benson, Hoopes, Shurtleff, Smith, Taye, Taylor; Visiting Professor: Machacek.

Majors Offered

Art
Art, Secondary Education
Pre-Architecture

Degree requirements

ART MAJOR Bachelor of Arts Program

General Art—Bachelor of Arts Program

General University & Basic Core Requirements	51
Art Major Requirements	
Painting and-or Watercolor AR 113, 114, 217, 218	6
Drawing AR 111, 112	6
Art History	9
Design AR 105, 106	6
Ceramics AR 225	2
Sculpture AR 231	2
Printmaking AR 209	2
Art Metals AR 221	2
Senior Seminar AR 498	3
	38

Major Emphasis

A total of 14 credits hours from any Fine Arts area will constitute the major emphasis, which include: Painting, Watercolor, Drawing, Ceramics, Sculpture, Printmaking, Art Metals, Photography, Art History.

Electives	41
-----------	----

Art Education-Bachelor of Arts Program

General University & Basic Core Requirements	51
Art Major Requirements	
Painting	6
Watercolor	4
Drawing	6
Design	6
Art History	6
Ceramics	2
Sculpture	2
Printmaking	2
Crafts	2
Lettering	2
Senior Seminar	3
	41

Education Requirements for Qualification Toward State Certification. Refer to the Department of Teacher Education listing in the College of Education for complete information.

Educating Exceptional Secondary Student TE 333	1
Foundations of Education TE 201	3
Reading in Content Subject TE 307	3
Secondary School Methods TE 381	3
Educational Psychology P 325	3
Art Methods in Secondary Schools AR 351	3
Elementary School Art Methods AR 321	3
Secondary Student Teaching	9-14
	29-34
Electives	15-13
	128*

Art-Advertising Design-Bachelor of Arts Program

General University & Basic Core Requirements	51
Art Major Requirements	
Advertising Design	10
Watercolor and-or Painting	8
Drawing	6
Advertising Illustration	6
Design	6
Lettering-Lettering & Layout	4
Art History	6
Printmaking	2
Creative Photography	2
Senior Seminar	3
	53
Electives	24
	128*

ART MAJOR Bachelor of Fine Arts Program

General Art-Bachelor of Fine Arts Degree

General University & Core Requirements	32
Art Major Requirements	
Painting	8
Drawing	8
Art History	12
Watercolor	4
Design	6
Printmaking	2
Sculpture	2
Ceramics	2
Art Metals	2
Senior Seminar	3
Art Electives	16
	65

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.

Electives	31
	128*

*A minimum of 40 credit hours of a total 128 must be Upper Division.

**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.

Art Education-Bachelor of Fine Arts

General University & Core Requirements	32
Art Major Requirements	
Painting	8
Drawing	8
Art History	9
Watercolor	4
Design	6
Printmaking	2
Sculpture	2
Ceramics	2
Crafts	2
Lettering	2
Senior Seminar	3
	48

Major Emphasis

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

Education Requirements for Qualifications Toward State Certification

Educating Exceptional Secondary Student TE 333	1
Foundations of Education	3
Reading in Content Subject TE 307	3
Secondary School Methods	3

* A minimum of 40 credit hours of a total 128 must be Upper Division.

Educational Psychology	3
Art Methods in Secondary Schools	3
Elementary School Art Methods	3
Secondary School Teaching	9-14
	29-34
Electives	27-25
	128*

*A minimum of 40 credit hours of a total 128 must be Upper Division

MATHEMATICS COURSES	
Algebra & Trigonometry M 111	5
Calculus & Analytical Geometry M 204	5
PHYSICS COURSES	
General Physics PH 101-102	8

Course offerings

AR ART

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

Lower Division

AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2)(F/S). One semester course with emphasis on media, techniques, and philosophy designed to acquaint the general college student with the basic fundamentals of drawing and painting.

AR 101 SURVEY OF WESTERN ART (3-0-3)(F) (Area I). A historical survey of Painting, Sculpture, and Architecture from Prehistoric Art through the Middle Ages.

AR 102 SURVEY OF WESTERN ART II (3-0-3)(S) (Area I). A historical survey of Painting, Sculpture, and Architecture from the Renaissance to the present.

AR 103 INTRODUCTION TO ART(3-0-3)(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 dimensional design elements. Emphas is on the theoretical and applied study of the structural organization 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 spring semester.

AR 114 PAINTING (0-4-2)(F/S). A continuation of AR 113 problems with increased emphasis on color, composition, and contemporary concepts in painting. A variety of subject matter will be painted in oil, acrylic or other media. Advisable to take AR 113 prior to AR 114. Limited enrollment fall semester.

AR 115 LANDSCAPE PAINTING (0-6-3)(SU). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. First summer session.

AR 116 LANDSCAPE PAINTING (0-6-3)(SU). (Description same as AR 115 above.) Second summer session.

AR 123 CRAFTS (0-4-2)(F/S). Lectures will be in the nature of crafts, the design principles, craftsmanship and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, mosaic, ceramic tile construction, batik, tie and dye, creative stitchery, enameling, macrame, simple ceramic work, sheet plastic and others may be assigned. The proper use of hand tools and their safety will be stressed. This course is open to non-Art majors.

AR 131 INTERIOR DECORATION (2-1-2)(F/S). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture.

AR 203 ADVERTISING DESIGN (0-4-2)(F). Special assignments in various techniques employed in advertising and commercial art, problems in layout, typography, and reproduction processes will be emphasized. Advisable to take AR 105, 106, 107 and 108 prior to AR 203.

AR 204 ADVERTISING DESIGN (0-4-2)(S). Advanced work in various techniques employed in advertising and commercial art. PREREQ: AR 108, AR 203 or PERM/INST.

Art-Advertising Design—Bachelor of Fine Arts Degree Advertising Design Emphasis

General University & Core Requirements	32
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
Professional Electives	27
	128*

*A minimum of 40 credit hours of a total 128 must be Upper Division

Recommended Program

**ART MAJOR
Freshman Year—All Degrees**

	1st SEM	2nd SEM
Basic Design AR 105-106	3	3
Elementary Drawing AR 111-112	2	2
Elementary Painting AR 113-114	2	2
Art History AR 101-102	3	3
Lettering AR 107*	2	-
Lettering and Layout AR 108*	2	-
English Composition E 101-102	3	3
History (Area II)	3	3
Electives	-	3
	16-18	16-18

* Not required in general Art degree

Pre-Architectural Program

Boise State University offers courses that can be used for a 2 to 2½ year pre-Architectural program. This program is preparatory and should be transferable to most architectural schools. Some universities offer a degree in Architectural Engineering. If interested in this type of degree the student should follow the Civil Option under the Engineering curriculum.

ART COURSES

Introduction to Art AR 103 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
-------------------------------------	---

AR 209 INTRODUCTION TO PRINTMAKING (0-4-2)(F/S). A course designed to acquaint the student with creative work in woodcut, lithography, and intaglio. Advisable to have some experience in drawing and design.

AR 210 PRINTMAKING (0-4-2)(F/S). This course is designed to be a transitional class between the introduction to printmaking AR 209 and the advanced class AR 309. Emphasis will be placed on the use of the techniques to accommodate ones own personal statement while utilizing sound design practices.

AR 211 ANATOMY (0-4-2)(F/S). A structural and aesthetic approach to drawing the nude, emphasizing bone, muscle, and surface anatomy of the figure. Model fee. PREREQ: AR 111-112.

AR 212 LIFE DRAWING (0-4-2)(F/S). Further study from the model with increased emphasis on anatomy, expressive drawing, and composition. Model fee. PREREQ: AR 211.

AR 215 PAINTING (0-4-2)(F/S). More advanced painting problems in realism and abstraction, with some independent work. Oil, acrylic or other media may be used. May be repeated once for credit. PREREQ: AR 113 and AR 114.

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

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

AR 219 PORTRAIT AND FIGURE PAINTING (0-4-2)(F/S). Painting from models with an emphasis on a representational approach; study of form, color and composition as they relate to the human figure. Model fee. Advisable to take AR 114 and 112 prior to AR 219. May be repeated once for credit.

AR 221 ART METALS (0-4-2)(F). A creative exploration in design and construction problems. Various materials will be utilized with primary emphasis on jewelry design and metals. Craftsmanship and the care and usage of tools will be stressed.

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

AR 225 CERAMICS (0-4-2)(F). An introduction to ceramics technique and materials. Wheelthrowing, hand building, decoration, glazing and firing will be given. Enrollment is limited. Advisable to take AR 105, and 106 prior to AR 225.

AR 226 CERAMICS (0-4-2)(S). Continued use of the potter's wheel, molding, and hand building. Advisable to take AR 105 and 106 prior to AR 226.

AR 231 SCULPTURE (0-4-2)(F). Work in a variety of three dimensional material with emphasis on the techniques of carving, modeling.

AR 232 SCULPTURE (0-4-2)(S). Continued work in a variety of three dimensional materials with emphasis on the techniques of carving, modeling and mold building.

AR 251 INTRODUCTION TO CREATIVE PHOTOGRAPHY (2-2-2)(F/S). An aesthetic approach to the basic photographic skills of camera operation, film development and enlargement of negatives. All work in black and white. Adjustable camera required.

AR 252 HISTORY OF PHOTOGRAPHY (3-0-3)(S). This course is designed to provide a basic understanding of both the technical and visual history of photography. Through slide presentations, important photographers of the 19th and 20th centuries will be discussed in terms of their role in the development of photography as an art form.

AR 255 ARCHITECTURAL GRAPHIC COMMUNICATION (1-4-3)(F). Study of architectural presentation techniques, including rendering, light and shadows, model building, use of color. Also study of basic orthographic projection, including plans, elevations and sections. Advisable to take AR 105 and AR 106 and AR 255 before enrolling in AR 256 Basic Architectural Design.

AR 256 BASIC ARCHITECTURAL DESIGN (1-4-3)(S). Introduction to the process of architectural design. Combines basic architectural projects with presentation techniques learned in AR 255 Architectural Graphic Communication. Advisable to take AR 105, AR 106 and AR 255 before enrolling in AR 256 Basic Architectural Design.

AR 270 HISTORY OF AMERICAN ARCHITECTURE I (3-0-3)(F). History of early American architecture from developments after Plymouth Rock landing in early 17th century through mid 19th century.

AR 271 HISTORY OF MODERN AMERICAN ARCHITECTURE II (3-0-3)(S). History of modern American architecture from the late 19th Century through mid 20th Century. Includes introductory review of American architecture from early 17th Century through late 19th century.

AR 290 MATERIALS AND METHODS OF ARCHITECTURE (3-0-3)(S). This course is developed to enable students to identify construction materials, elements, and systems; to locate theoretical and proprietary information about them and to sketch sections of various construction systems and combinations thereof. At completion, they should be able to select materials based on physical and psychological criteria and design with sensitivity to the appropriate use of various materials.

Upper Division

AR 301 NINETEENTH CENTURY ART HISTORY (3-0-3)(F). A study of important artists and movements from Neoclassicism through Post-Impressionism. Critical writing will be assigned.

AR 302 HISTORY OF TWENTIETH CENTURY MOVEMENT IN ART (3-0-3)(S). 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 STUDIO IN ADVERTISING DESIGN (0-6-3)(F/S). Advanced study of the design and preparation of art for reproduction, techniques and studio practices. PREREQ: AR 204 or PERM/INST. May be repeated once for credit.

AR 305 STUDIO IN VISUAL DESIGN (0-6-8)(F/S). Advanced exploration of two-dimensional of three-dimensional design, continuing with problems in line, form, color, texture, and space. Advisable to take AR 105 and 106 prior to AR 305.

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

AR 309 STUDIO 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 STUDIO IN PAINTING (0-6-3)(F/S). 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 media with emphasis on experimental techniques. Advisable to take AR 217 and 218 prior to AR 317.

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

AR 319 PORTRAIT AND FIGURE PAINTING (0-6-3) (F/A). Painting from models in realistic or semi-abstract styles based on individual interests. Model fee. May be repeated for credit. PREREQ: AR 219 and Upper Division status.

AR 321 ELEMENTARY SCHOOL ART METHODS (2-2-3)(F/S). For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed.

AR 325 STUDIO IN CERAMICS (0-6-3)(F/S). Advanced study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 225 and 226 prior to AR 325. Individual instruction will be given. May be repeated once for credit.

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

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

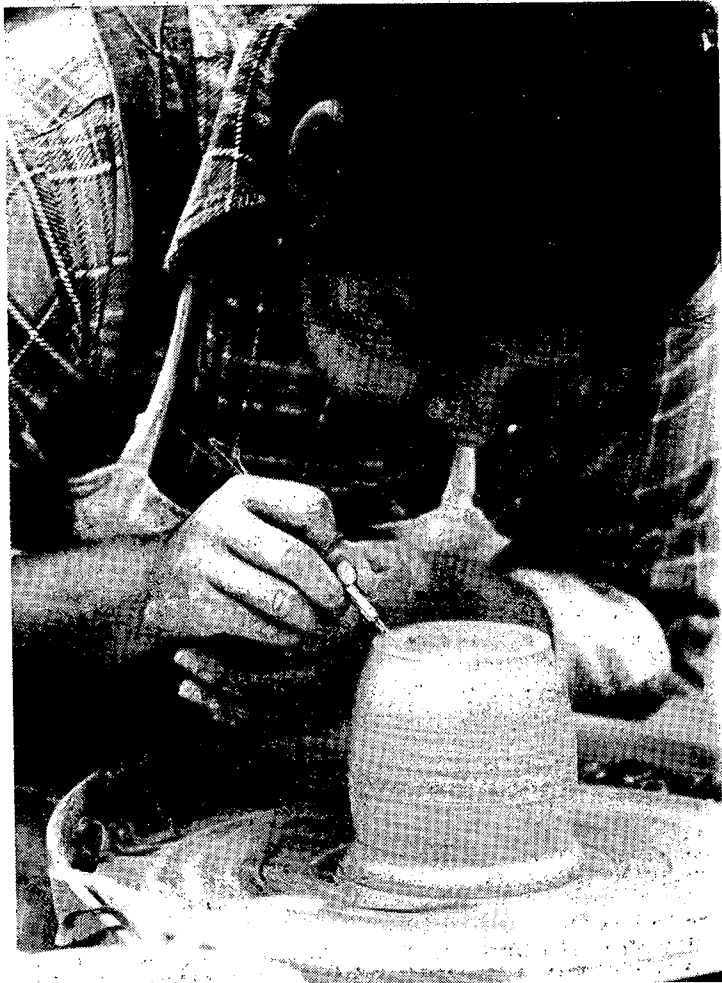
AR 344 STUDIO IN CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F/S). Advanced study of photographic techniques; emphasis on the creative approach to picture taking and printing in color. Adjustable camera required. May be repeated for credit. PREREQ: AR 251 or PERM/INST.

AR 345 STUDIO IN CREATIVE PHOTOGRAPHY (2-4-3)(F/S). Advanced study emphasizing techniques of color slides. Color theory and composition will be covered in the course as well as the processing of slides and various methods of projections. Various approaches to lighting and laboratory work will be taught. Adjustable camera required. May be repeated for credit. 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 (2-2-3)(F). Art education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum, planning.

AR 361 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3)(F/S). Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Advisable to take AR 203 and 204 prior to AR 361. May be repeated for credit.



AR 371 HISTORY OF TWENTIETH CENTURY AMERICAN ART (3-0-3)(F). Beginning with a short survey of American Art from the Ashcan School through the Thirties with concentration on Abstract Expressionism, Pop, Op, and Minimal. Critical writings will be assigned. Advisable to take AR 302 prior to AR 371.

AR 409 STUDIO 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/S). Individual problems in drawing. Model fee. May be repeated for credit. PREREQ: AR 311.

AR 415 STUDIO IN PAINTING (0-6-3)(F/S). 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 STUDIO IN PAINTING-WATERCOLOR (0-6-3)(F/S). Advanced study in selected watercolor media. Advisable to take AR 317 and 318 prior to AR 417. May be repeated for credit.

AR 419 STUDIO IN METALS (0-6-3)(F/S). Continued study in materials and methods (advanced) of jewelrymaking and metalsmithing as they apply to the creative artist and teacher. May be repeated for credit. PREREQ: AR 221, 222, 307.

AR 425 STUDIO IN CERAMICS (0-6-3)(F/S). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 325 and 326 prior to AR 425. Individual instruction will be given. May be repeated for credit.

AR 431 STUDIO IN SCULPTURE (0-6-3)(F/S). 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 331 prior to AR 431. May be repeated for credit.

AR 441 STUDIO IN CREATIVE PHOTOGRAPHY (2-4-3)(F/S). 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)(F/S). Required reading and written and oral reports relative to the senior art major's area of interest within the visual arts. PREREQ: Senior status.

Department of Biology

Science/Nursing Building, Room 223 Telephone (208) 385-3262

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

Majors offered

Biology
Biology, Secondary Education
Pre-Forestry and Wildlife Management

Degree requirements

BIOLOGY MAJOR

Bachelor of Science Option

1. General University and Baccalaureate Degree Requirements	30
2. Major Requirements	
A. Biology	45
1. Biology Core	20
General Botany BT 130	4
General Zoology Z 130	5
Cell Biology B 301	3
Genetics B 343	3
Ecology B 423	4
Biology Seminar B 498, 499	1
2. Physiology—one course	4
Plant Physiology BT 401	4
Human Physiology Z 401	4
General & Comparative Physiology Z 409	4
3. Morphology—one course	4
Plant Anatomy BT 302	4
Plant Morphology BT 311	4
Comparative Vertebrate Anatomy Z 301	4
Vertebrate Embryology Z 351	4
Vertebrate Histology Z 400	4
4. Biology Electives to total 45 credits	17*
B. Chemistry	14
1. College Chemistry C 131-134	9
2. Organic Chemistry C 317, 319	5
C. Mathematics	9
Algebra and Trigonometry M 111	5
Four or more credits chosen from the following:	
Applied Statistics with the Computer M 120	4
A First Course in Programming M 122	2
Introduction to Computer Science M 126	4
Calculus and Analytic Geometry M 204	5
Digital Computer Programming EN 104 (or M 124)	2
D. Recommended Electives	29
1. Area I & II Electives	
2. Biochemistry C 431	
3. Introduction to Biophysics PH 207	
4. Earth Science Electives	

Secondary Education Option—Major Endorsement

1. General University and Baccalaureate Degree Requirements	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. Physiology BT 401, Z 409	4
5. Systematic Botany BT 301	4
6. Biology Electives	1-16*
The following electives are highly recommended:	
Ecology B 423, 424	3-4
Entomology Z 305	4
Invertebrate Zoology Z 307	4
Vertebrate Natural History Z 355	4
B. Chemistry	14
1. College Chemistry C 131-134	9

College of Arts and Sciences

2. Organic Chemistry C 317, 319	5
C. Mathematics	10
3. Education Requirements to include Science Methods	24-29
4. Electives	0-19
Secondary Education Option—Minor Endorsement	
1. General University and Baccalaureate Degree Requirements	30
2. Major Requirements	30
3. Minor Endorsement in Biology	21
General Botany BT 130 and General Zoology Z 130	
Systematic Botany BT 301	4
Concepts of Anatomy & Physiology Z 107	4
Genetics, lab B 343, B 344	4
or Vertebrate Natural History Z 355	4
4. Education Requirements	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 30 Biology credits. In both instances a minimum of 6 credits must be in Botany and 6 credits in Zoology.

Recommended program BIOLOGY MAJOR Bachelor of Science Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
General Botany BT 130	4	-
General Zoology Z 130	-	5
College Chemistry C 131-134	4	5
Mathematics	5	5
	16	18
SOPHOMORE YEAR		
Organic Chemistry C 317, 319	5	-
Cell Biology B 301	-	3
Electives (Area I)	6	3
Electives (Area II)	3	6
Other Electives	-	3
	14	15
JUNIOR YEAR		
Electives (Area I, II)	3	3
Biology Electives	8	8
Other Electives	3	3
	14	14
SENIOR YEAR		
Biology Seminar B 498	1	-
Biology Electives	8	8
Other Electives	7	9
	16	17

BIOLOGY MAJOR SECONDARY EDUCATION OPTION Bachelor of Science

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
General Botany BT 130	4	-
General Zoology Z 130	-	5
College Chemistry C 131-134	4	5
Mathematics	5	5
	16	18
SOPHOMORE YEAR		
Organic Chemistry C 317, 319	5	-
Microbiology B 205	4	-
Cell Biology B 301	-	3
Foundations of Education TE 201	-	3
General Psychology P 101	3	-

Electives (Area I)	3	3
Electives (Area II)	-	3
Other Electives	-	3
	15	15

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	3
Genetics B 343, 344	4	-
Biology Electives	4	8
	17	17

SENIOR YEAR

Biology Seminar	1	-
Biology Electives	4-8	-
Education Courses	4	9-14
Other Electives	3	6
	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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
General Botany BT 130	4	-
General Zoology Z 130	-	5
Essentials of Chemistry C 107-110	4	5
Mathematics	5	5
	16	18
SOPHOMORE YEAR		
General Physics PH 101, 102	4	4
General Forestry FS 101	-	2
Systematic Botany BT 305	-	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	1	1
	15	14

Course offerings

B BIOLOGY

Lower Division

B 100 CONCEPTS OF BIOLOGY (3-2-4)(F/S) (Area III). Basic course for non-majors. 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.

B 200 MAN AND THE ENVIRONMENT (3-0-3)(F/S). The impact of biological, economic, and social factors on man's environment are 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 111-112 (or equivalent) or PERM/INST.

Upper Division

B 301 CELL BIOLOGY (3-0-3)(F/S). Structure and function prokaryotic and eukaryotic cells, cellular energetics and metabolism, mitochondria 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 (3-6-5)(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. *Drosophila* and other organisms will be cultured and analyzed; reports will be submitted. PREREQ: prior or concurrent enrollment in B 343 required.

B 401 ORGANIC EVOLUTION (3-0-3)(S). Philosophical basis and historical development of evolutionary theory. Detailed examination of genetic variation, mechanisms of evolutionary change, adaptation, specialization, phylogeny. 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 experience in identification and detection. PREREQ: B 301, PERM/INST.

B 415 APPLIED AND ENVIRONMENTAL MICROBIOLOGY (3-3-4)(S). Microbial populations and processes in soil and water. Water and food-borne pathogens. Microbiological and biochemical methods of environmental assessment. 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 (3-3-4)(S). A survey of the physical factors of the environment and their effect of the mode on life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. Field and laboratory investigations into topics of physical habitat, populations, communities, pollution, etc. Weekend field trips may be taken. PREREQ: BT 130, Z 130, PERM/INST.

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

BT BOTANY

Lower Division

BT 115 MUSHROOMS OF IDAHO (2-0-2)(F). A survey of the fleshy 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 introduction to a plant biology which includes the study of cells, genetics whole plant physiology and functions, ecology, classification, and economic importance.

Upper Division

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

BT 305 SYSTEMATIC BOTANY (2-4-4)(S). Fundamental problems of taxonomy. Discussion of historical development of classification systems and comparison of recent systems. Instruction on use of keys and manuals. PREREQ: BT 130, PERM/INST.

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

BT 330 MYCOLOGY (3-3-4)(F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. PREREQ: 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. B 302 and PH 101, 102 recommended. PREREQ: B 301, C 317, PERM/INST.

FS FORESTRY

Lower Division

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

Z ZOOLOGY

Lower Division

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

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4). A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester

of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior or concurrent enrollment in C 107 is recommended.

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

Upper Division

Z 301 COMPARATIVE VERTEBRATE ANATOMY (2-6-4)(F). The evolutionary development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander and cat plus demonstrations of other vertebrate types. 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: PERM/INST.

Z 307 INVERTEBRATE ZOOLOGY (2-6-4)(S). Morphology, taxonomy, and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Offered in alternate years. PREREQ: Z 130 PERM/INST.

Z 341 ORNITHOLOGY (2-3-3)(S). Birds as examples of biological principles: classification, identification, ecology, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered alternate years. 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 MICROTÉCHNIQUE (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 tissue and organ systems with emphasis on regulatory and homeostatic mechanisms. PREREQ: B 301, 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 presented. PREREQ: Z 130, C 317, 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-Nursing Building, Room 315 Telephone (208) 385-3963

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

Majors offered

Chemistry
Chemistry, Secondary Education

Department statement

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; or
- Attend a professional school in medicine.

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

College of Arts and Sciences

Degree requirements

**CHEMISTRY MAJOR
Bachelor of Science**

This degree prepares the student for employment as a chemist or for admission to medical school.

1. General University and Baccalaureate Degree Requirements.
 - A. Chemistry47
 - College Chemistry C 131, 132, 133, 1349
 - Organic Chemistry C 317, 318, 319, 32010
 - Physical Chemistry C 321, 322, 323, 324,8
 - Quantitative Analysis C 211, 2125
 - Advanced Inorganic Chemistry C 4013
 - Organic Qualitative Analysis3
 - Instrumental Analysis C 4114
 - Chemistry Seminar C 498, 4992
 - Independent Study C 4962
 - B. Mathematics10-18
 - Completion of Mathematics through Calculus M 206
 - C. Physics PH 220, 221, 222, 223, 22411
2. Recommended Electives:
 - Foreign Language
 - Upper Division Mathematics
 - Upper Division Physics
 - Life Science Courses

**CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree**

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

1. General University and Baccalaureate Degree Requirements.
2. Major Endorsement Requirements
 - A. Chemistry37-38
 - College Chemistry C 131, 132, 133, 1349
 - Quantitative Analysis C 211, 2125
 - Organic Chemistry C 317, 318, 319, 32010
 - Physical Chemistry C 321, 322, 323, 3248
 - Chemistry Seminar C 498, 4992
 - Additional Upper Division Courses3-4
 - B. Mathematics
 - Completion of Mathematics through M 206
 - C. Physics Sequence
 - PH 220, 221, 222, 223, 22411
 - D. Biology
 - BT 130 and Z 1309
3. Idaho Certification Requirements
 - Foundations of Education TE 2013
 - Reading in Content Subjects TE 3073
 - Education of Exceptional Secondary Students TE 3331
 - Educational Psychology P 3253
 - Secondary School Methods TE 381, 3846
 - Senior High School Student Teaching TE 4838
 - The Senior High School TE 4871

Recommended programs

**CHEMISTRY MAJOR
Bachelor of Science**

NOTE: For students with a strong high school background.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 204, 205	5	4
Physics I PH 220	-	3
Degree Requirements or Electives	3	-
Totals	15	15
SOPHOMORE YEAR		
Organic Chemistry C 317, 319, 318, 320	5	5
Quantitative Analysis C 211, 212	5	-
Mathematics M 206	4	-
Physics PH 221, 223, 222, 224	4	4
Degree Requirements or Electives	-	6
Totals	18	15

JUNIOR YEAR

Physical Chemistry C 321, 322, 323, 324	4	4
Organic Qualitative Analysis C 440	-	3
Degree Requirements or Electives	12	9
Totals	16	16

SENIOR YEAR

Advanced Inorganic Chemistry C 401	3	-
Instrumental Analysis C 411	-	4
Independent Study C 496	1	1
Chemistry Seminar C 498, 499	1	1
Degree Requirements or Electives	12	10
Totals	17	16

**CHEMISTRY MAJOR
Bachelor of Science**

NOTE: For students with a general high school background.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 111, 204	5	5
Degree Requirements or Electives	3	3
Totals	15	16

SOPHOMORE YEAR

Organic Chemistry C 317, 319, 318, 320	5	5
Mathematics M 205, 206	4	4
Physics I PH 220	3	-
Physics II PH 221, 223	-	4
Degree Requirements or Electives	3	3
Totals	15	16

JUNIOR YEAR

Physical Chemistry C 321, 322, 323, 324	4	4
Quantitative Analysis C 211, 212	5	-
Physics PF 222, 224	4	-
Degree Requirements or Electives	3	12
Totals	16	16

SENIOR YEAR

Advanced Inorganic Chemistry C 401	3	-
Instrumental Analysis C 411	-	4
Organic Qualitative Analysis C 440	-	3
Independent Study C 496	1	1
Chemistry Seminar C 498, 499	1	1
Degree Requirements or Electives	12	8
Totals	17	17

**CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree**

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 111, 204	5	5
General Zoology Z 130	5	-
General Botany BT 130	-	4
Totals	17	17

SOPHOMORE YEAR

Organic Chemistry C 317, 319, 318, 320	5	5
Mathematics M 205, 206	4	4
Physics I PH 220	3	-
Physics II PH 221, 223	-	4
General Psychology P 101	3	-
Foundations of Education TE 201	-	3
Totals	15	16

JUNIOR YEAR

Physical Chemistry C 321, 322, 323, 324	4	4
Physics III PH 222, 224	4	-
Quantitative Analysis C 211, 212	-	5
Educational Psychology P 325	3	-
Reading in Content Subjects TE 307	-	3
Degree Requirements or Electives	6	6
Totals	17	18

SENIOR YEAR

Upper Division Chemistry Course	3	-
Chemistry Seminar C 498, 499	1	1
Secondary School Methods TE 381, 384	3	3
Senior High School Teaching TE 483, 487	-	9
Educating Exceptional Sec. Students TE 333	1	-
Degree Requirements and Electives	9	-
Totals	17	13

Students who do not have a Chemistry degree may be certified to teach Chemistry in secondary schools. Refer to the Department of Teacher Education section where minor certification endorsements for teaching areas are listed.

Course offerings**C CHEMISTRY****Lower Division**

C 100 CONCEPTS OF CHEMISTRY (3-3-4)(S)(Area III). A descriptive non-mathematical course designed to acquaint students with the science of Chemistry and the relationship of Chemistry to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve as part of a Chemistry sequence. Students who have received credit for C 109 or C 133 may not receive credit for C 100.

C107 ESSENTIALS OF CHEMISTRY (3-0-3)(Area III). The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic chemistry. Satisfactory Score on Mathematics Placement Exam "BA" and/or satisfactory completion of Math 020 is required. Concurrent enrollment in C 108 is required.

C 108 LABORATORY FOR ESSENTIALS OF CHEMISTRY (0-3-1)(Area III). The laboratory to accompany C 107. Concurrent enrollment in C 107 is required.

C 109 ESSENTIALS OF CHEMISTRY (3-0-3)(S/SU)(Area III). A continuation of C 107 to include basic concepts of Biochemistry. PREREQ: C 107 and 108. Concurrent enrollment in C 110 is required.

C 110 LABORATORY FOR ESSENTIALS OF CHEMISTRY (1-3-2)(S/SU)(Area III). The laboratory to accompany C 109. One three-hour laboratory and one one-hour recitation. The recitation will include discussion of both lecture and laboratory material. COREQ: C 109.

C 131 COLLEGE CHEMISTRY (3-0-3)(F/SU)(Area III). The first semester of a one-year sequence course. A thorough study of the fundamentals of Chemistry including atomic and molecular structure, stoichiometry, physical states, and solutions. PREREQ: M 111 or 108. Concurrent enrollment in C 132 is required.

C132 LABORATORY FOR COLLEGE CHEMISTRY (0-3-1)(F/SU)(Area III). Laboratory work to accompany C 131. Concurrent enrollment in C 131 is required.

C 133 COLLEGE CHEMISTRY (3-0-3)(S/SU) (Area III). A continuation of C 131 to include equilibrium, redox, and complex ions. PREREQ: C 131, 132.

C134 LABORATORY FOR COLLEGE CHEMISTRY (0-6-2)(S/SU)(Area III). Laboratory work to accompany C 133. To include qualitative analysis. PREREQ: C 131, 132.

C 211 QUANTITATIVE ANALYSIS (3-0-3)(F). Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analysis. PREREQ: C 131, 132, 133, 134.

C 212 QUANTITATIVE LABORATORY TECHNIQUE (0-6-2)(F). Practical application of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric, and some instrumental methods. PREREQ: C 211 or concurrent enrollment.

Upper division

C 317 ORGANIC CHEMISTRY LECTURE (3-0-3)(F). An overview of Organic Chemistry covering the fundamental principles of nomenclature, reactions, synthesis, mechanisms, stereochemistry, proteins and carbohydrates. Will fulfill the requirements for an elementary organic course and partially fulfill the requirement for a more rigorous course. PREREQ: C 131, 132, 133, 134. Concurrent credit enrollment in C 319 is required.

C 318 ORGANIC CHEMISTRY LECTURE (3-0-3)(S). An in-depth study of organic reaction mechanisms, reaction theory, and advanced organic synthesis. PREREQ: C 317, 319.

C319 ORGANIC CHEMISTRY LABORATORY (1-3-2)(F). Basic organic laboratory techniques and simple organic syntheses. One three-hour laboratory and one hour of recitation per week. Concurrent enrollment in C 317 is required.

C 320 ORGANIC CHEMISTRY LABORATORY (1-3-2)(S). More advanced organic laboratory techniques, syntheses, classical organic qualitative analysis and an introduction to spectroscopic methods. Three hours of laboratory and one hour of recitation per week. PREREQ: C 319. Concurrent enrollment in C 318 is required.

C 321, 322, PHYSICAL CHEMISTRY LECTURE (3-0-3)(F/S). The fall semester will cover gases, point symmetry, molecular structure and quantum theory (briefly

and the first, second and third laws of thermodynamics. The spring semester continues with thermodynamics, reaction kinetics, phase equilibria, electrochemistry and absorption. PREREQ: C 131, 132, 133, 134, PH 102 or 221, M 206 or equivalent.

C 323, 324 PHYSICAL CHEMISTRY LABORATORY (0-3-1)(F/S). Laboratory experiments paralleling the material covered by the lectures. PREREQ: C 321, 322 or concurrent enrollment. A year's sequence (fall and spring).

C 341, 342 GLASSBLOWING (0-3-1) C 341 acquaints students with the basics of scientific glassblowing. C 342 gives students practice in techniques and in construction of more complex apparatus. PREREQ: Junior Standing. Offered on demand.

C 401G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F). Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, nonaqueous solutions, and selected properties of elements of periodic table and inorganic comp. PREREQ: C 322, PERM/INST.

C 411G INSTRUMENTAL ANALYSIS (2-6-4)(S). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. PREREQ: C 211, 320. C 320 may be taken currently with C 411.

C 431G INTRODUCTION TO BIOCHEMISTRY (3-0-3)(S). A study of the chemistry of biologically important compounds and an introduction to metabolism. PREREQ: C 317.

C 432G BIOCHEMISTRY LABORATORY (0-3-1)(S). Identification, isolation, and reaction to biologically important compounds. PREREQ: C 431 or concurrent enrollment.

C433G BIOCHEMISTRY (3-0-3)(S). The function of biological compounds, including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material. PREREQ: C 431.

C 440 ORGANIC QUALITATIVE ANALYSIS (1-6-3)(S). Organic qualitative analysis with emphasis upon using spectroscopic methods and spectral interpretation. Two three-hour laboratories and one hour of lecture per week. PREREQ: C 318 and C 320.

C 498-C 499 SEMINAR (1-0-1)(F/S). Group discussions of individual reports on selected topics in the various fields of Chemistry. PREREQ: Chemistry major and senior standing.

GRADUATE

The department offers certain graduate courses. See the Graduate School portion of this Catalog for course descriptions.

Department of Communication

Communication Building, Room 100 Telephone (208) 385-3320

Chairman and Professor: Robert R. Boren; *Professors:* Boylan, Cox; *Associate Professors:* McCorkle, McLuskie, Parker, Pitman, Rayborn, Trapp; *Assistant Professors:* Craner, Traynowicz.

Majors offered

Communication
Communication/English
Communication, Secondary Education

Degree requirements**COMMUNICATION MAJOR
Bachelor of Arts Program**

1. Completion of general University requirements for Bachelor of Arts degree as listed on pages 32, 33.
2. All majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:

Introduction to Communication Study CM 115	2
Perspectives of Inquiry CM 201	3
Perspectives on Communication CM 421	3
Communication Seminar CM 498	3
Communication Lab CM 116, 216, 316, 416	
credits to be accumulated	9
Courses for Area of Emphasis	25-35
	45-55

NOTE: Students are encouraged to participate in practical communication applications such as internships and/or practica. Six internship credits may count toward departmental major requirements, and four

College of Arts and Sciences

practicum credits may count toward departmental major requirements. Additional internship and practicum credits may count toward general education electives.

COMBINED MAJOR Communication—English

With Journalism emphasis: Department requirements

Communication

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

ENGLISH

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

(Add Senior Seminar—Either CM 498 3 hours or E 498—2 hours)
Total hours: 56 (27 and 27 and 2)

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
	27

ENGLISH

* Literature Survey	6
Humanities HU 207, 208	3
**Advanced Writing and Linguistics	9
Electives (Upper Division)	9
	27

In Reference to electives:

1. If students do not elect another Humanities course (either HU 207 or 208), then they should take nine additional upper division courses in each department.
2. If students elect the extra three hours in Humanities (either HU 207 or 208), then they would take six upper division hours in Communication or English and nine upper division hours in the other department.

* British or American.

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

***3 hours in courses before 1800.

Recommended programs

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

Interpersonal Communication Emphasis

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

Mass Communication Emphasis

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

Secondary Education Emphasis

1. General University Requirements	
2. Departmental Core Requirements	20
3. Education Requirements (see 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
	17
5. 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

6. Suggested Extra-Departmental Elective Courses, as follows:
 Introduction 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 20
3. Other Required Courses 18
 - Photo Communication CM 277 3
 - Reporting and Newswriting CM 273 3
 - Communication Graphics CM 379 3
 - Ethics, Law and Communication CM 461 3
 - Internship CM 493 6
4. Suggested Courses, chosen from the following 12
 - 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 Spatial Arts |

Political Science OR any other program listed in this 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.

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 116 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 communica-

tion 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 views of theories, theory building, models, and the nature of inquiry. PREREQ: E 102, CM 115 or PERM. INST.

CM 216 COMMUNICATION LABORATORY (V-V-1 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 experimental 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, from 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 copyreading symbols. PREREQ: E 102 and ability to use typewriter or perm. of instructor.

CM 277 PHOTO COMMUNICATION (2-2-3)(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 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. Cross listed as CN 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 INTERVIEWING (3-0-3). Communication behavior in two-person situations. Practical experience in various types of interviews as confronted in business, in 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 (3-3-0). An application of basic principles of communication to real-life situations involving current 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: PERM/INST. 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 316 COMMUNICATION LABORATORY (V-V-1 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.

College of Arts and Sciences

CM 331 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 dialog 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 analysis 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: PERM/INST. May be repeated for a total of four hours.

CM 379 COMMUNICATION GRAPHICS (3-0-3). Theory and practice of graphic design and production of mass media products. An exploration of the communication effects of typefaces, paper, design, layout, printed and electronic images. PREREQ: AR 108.

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-1 or 2). 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 431 SMALL GROUP PROCESS (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 areas of special interest to the student. May be repeated for a total of four credits.

CM 461 ETHICS, LAW AND COMMUNICATION (3-0-3). Study of the laws and ethics related to communication. PREREQ: Upper Division standing.

CM 471 RADIO-TV NEWSWRITING (2-0-2). Practice 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.

CM 473 FEATURE WRITING (3-0-3). Non-fiction writing of features for newspapers or magazines. Includes analysis of publication markets and procedures for submitting articles. Alternate years.

CM 474 CRITICAL WRITING (3-0-3). Writing opinion for the mass media with emphasis on editorials, personal columns, and reviews of the arts. Alternate years.

CM 478 PUBLIC RELATIONS (3-0-3). Analysis of public relations media and methods. Public relations as a management tool. Identifying and reaching the various publics. Practice in writing publicity releases.

NOTE: The next five courses below cover a variety of technical and theoretical subjects in human communication. They involve a variety of approaches and activities. These courses are scheduled as necessary to meet student and community needs. Consult the current semester time schedule for specific courses and content offerings. Each general course is repeatable, but the specific topic of study within the course is not repeatable.

CM 480 STUDIES IN JOURNALISTIC COMMUNICATION (3-0-3) F/S. Advanced instruction in theories about, history of, and preparation of nonfiction content for the mass media. Content varies from semester to semester. Subjects may include: Public Affairs Reporting, Journalism History, Documentary Script Writing, etc. PREREQ: Upper division status and PERM/INST.

CM 481 STUDIES IN INTERPERSONAL COMMUNICATION (3-0-3) F/S. The examination of issues, contexts, and particulars of interpersonal communication. Content varies from semester to semester. Subjects may include: Conflict Management, General Semantics, Male-Female Communication, etc. PREREQ: PERM/INST.

CM 482 STUDIES IN MASS COMMUNICATION (3-0-3) F/S. Instruction in theories about, history of, and preparation of content for mediated public communication. Content varies from semester to semester. Subjects may include: History of Mass Communication, International Communication, Small Format Video, etc. PREREQ: PERM/INST.

CM 483 STUDIES IN ORGANIZATIONAL COMMUNICATION (3-0-3) F/S. The study of basic communication principles as applied to or affected by the organizational setting. Content varies from semester to semester. Subjects may include: Communication Theories of Organizational Management, Negotiation, Human Relations Training, etc. PREREQ: PERM/INST.

CM 484 STUDIES IN RHETORIC AND PUBLIC PRESENTATION (3-0-3) F/S. Historical, theoretical, and practical study in various forms of communication presentation. Content varies from semester to semester. Subjects may include: Advanced Public Speaking, Group Interpretation, Theory of Debate, etc. PREREQ: PERM/INST.

CM 498 COMMUNICATION SEMINAR (3-0-3). A multi-theoretical approach to the analysis of communication problems and issues culminating in the presentation and defense of student generated projects. PREREQ: CM 421 and Senior standing.

Department of English

Liberal Arts Building, Room 228

Chairman and Professor: Charles G. Davis; *Professors:* Boyer, Leahy, Martin, Sahni, Willis; *Associate Professors:* Cocotis, Maguire, Peek, Trusky, Widmayer, Zirinsky; *Assistant Professors:* Ackley, Burmaster, Dayley, Evett, Fox, Builford, Hadden, King, Lojek, McGuire, Nickerson, Papinchak, Rinnert, Sanderson, Selander, Thomas, Warner.

Majors offered

English, General
English, General, American Literature Emphasis
English, General, British Literature Emphasis
English, General, Linguistics Emphasis
English, General, World Literature Emphasis
English, General, Writing Emphasis
English, Liberal Arts
English, Secondary Education

Degree requirements

ENGLISH MAJOR

Bachelor of Arts

1. Completion of general university requirements for Bachelor of Arts.

2. Completion of Departmental Option

a. Liberal Arts Option

1) Departmental Core

a) Specific Courses

Survey of British Literature E 240 and E 260 6

Shakespeare E 345, 346 3

Introduction to Language Studies LI 305 3

History of Literary Criticism E 393 3

Senior Seminar E 498 2

b) Area Requirements

American Literature E 271, 272, 378, 384 3

Pre-1800 Brit Lit E 340, 341, 347, 348, 350, 351,

355, 357, 359 6

Post-1800 Brit-Amer Lit E 360, 365, 366,

369, 377, 378, 384, 385, 389, 390, 487

390, E 487 6

2) Competence in a Foreign Language equivalent to two years of University Instruction.

3) History of the English Language LI 309 3

4) Upper Division English Electives 15

b. Options in Secondary Education

1) Completion of Departmental Core (see specific courses and area requirements under Liberal Arts Option above) plus one of the options described immediately below.

2) Option 7-9 (Junior High)

Writing E 201, 401 (instead of E 393) 3

Language LI 309 and 307 or 405 6

Methods 301 and 381 or TE 358 6

Speech

Literature for use in Junior and Senior High School

E 481 3

Upper Division English Electives 6

Western World Literature E 230 6

Idaho Certification Requirements:
Successful completion of Secondary Option Writing Proficiency exam

3) Option 10-12 (Senior High)6
 Language LI 307 and 309 or 4056
 Methods E 301 and 381 or TE 3586
 Speech3
 Advanced Writing E 201, 305, 306, 4013
 Upper Division English Electives9
 Western World Literature E 2303

Idaho Certification Requirements:
Successful completion of Secondary Option Writing Proficiency exam

4) Option 7-12 (composite)
 Language LI 309 and 307 or 405
 Methods E 301 and 381 or TE 358
 Speech Literature for use in Junior and Senior High School, E 4813
 Advanced Writing E 201, 305, 306, 4013
 Upper Division English Electives6
 Western World Literature3

Idaho Certification Requirements:
Successful completion of Secondary Option Writing Proficiency exam

5) General Option without specific area of emphasis
 a) Completion of 53 credits in English or Linguistics excluding E 101 and E 102 or E 111-H and E 112-H.
 i. Of these credits, 38 must be upper division, including E 498, Senior Seminar.
 ii. Of these credits, 15 must be in British Literature, excluding E 385, E 389, and E 487.
 b) No more than 9 credits may be in special topics courses in English or Linguistics.

6) General Option, American Literature Emphasis
 a) Specific courses:
 Survey of Amer. Lit, E 271, 2726
 Shakespeare, E 345 or E 3463
 Amer Renaissance, E 3773
 Amer Realism, E 3783
 Lit of Amer West E 3843
 Folklore, E 3903
 Senior Seminar, E 4982
 b) Area requirements:
 Modern Brit & Amer Lit E 385, 389, 4873
 Lower division Lit courses E 211, 213, 217, 219, 240 or 2609
 Upper division electives in Literature or Linguistics18
 American Political Theory PO 3313
 Cultural Anthropology AN 102 (Area II)3
 U.S. History, HY 151, 151, 354, 355, 356, 358, or 3593

7) General Option, British Literature Emphasis
 a) Specific courses:
 Survey of British Literature E 240, 2606
 Shakespeare, E 345 or 3463
 Senior Seminar, E 4982
 b) Area Requirements:
 Pre-1800 British Lit courses numbered E 340-36912
 Post-1800 British Lit courses numbered E 360-3696
 Electives in British or American Lit (15 UD)24
 British History, HY 311, 312, 338 or 4323

8) General Option, Linguistics Emphasis
 a) Specific courses:
 Intro to Linguistics, LI 3053
 Applied English Linguistics, LI 3073
 History of English Language LI 3093
 Modern English Structure LI 4053
 Applied Linguistics in Teaching ESL3
 ESL Internship E 4933
 Senior Seminar E 4982
 b) Area Requirements:
 Old or Middle Engl Lang or Lit (i.e., E 340) or foreign Lit read in original language3
 Electives in literature lower or upper division15

Upper division electives in Lit. (12 British Lit)15
 One year of a Foreign Language6-8
 A 2nd year of foreign language or one year of a 2nd foreign language6-8
 Cultural Anthropology, AN 102 (Area II core)3

9) General Option, World Literature Emphasis
 a) Specific courses:
 Far Eastern Literature E 2153
 Western World Lit E 230, 2356
 19th & 20th Cent Continental Lit E 336, 3386
 Medieval Epics & Romance, E 3413
 Shakespeare, E 345 or 3463
 Folklore, E 3903
 History of Literary Criticism E 3933
 Senior Seminar, E 4982
 b) Area Requirements:
 LD Lit—E 211, 213, 217, 240, 260, 271 or 2726
 English Lit courses from E 340-3699
 Upper Div electives in Lit or Linguistics9
 World Drama, TA 341, 342, or 4453
 History, other than US or British6

10) General Option, Writing Emphasis
 a) Specific courses:
 Advanced Expository Comp. E 2013
 Technical Writing, E 2023
 Advanced Writing, E 4013
 Writing Internship, E 4933
 Senior Seminar, E 4982
 b) Area Requirements:
 Creative Writing, E 205, 206, 305, or 3066
 Linguistics LI 305, 307, 309 or 4056
 Lower Div. Lit. electives, not to exceed 15 credits total for completed option3-9
 British Lit courses numbered from E 340-35915
 UD Electives in Lit or Linguistics3-9
 Electives CM 471, 473, 474, HY 210, P 341 or PY 2479

Minor Endorsement in English

Advanced Composition3
 Linguistics3
 E 301, 3813
 Survey of American Literature E 271, 2723
 Lower Division Literature6*
 Upper Division Literature6
 Successful completion of Secondary Option Writing Proficiency exam

*To be selected from World Literature, E 230, 235; British Literature, E 240, 260; Far Eastern Literature, E 215.

Theatre Arts Minor for English

Tech Theatre (basic set drawing and construction) TA 1174
 Tech Theatre (basic set design, painting, lighting) TA 1184
 Acting TA 2153
 Major Production Participation TA 3313
 One of the following:
 Stage Voice TA 2333
 World Drama, 500 B.C. to 1660 TA 341
 World Drama, 1660 to 1960 TA 342
 Contemporary Theatre TA 445
 Directing TA 4013
 20

COURSES APPLYING TO BOTH DISCIPLINES

One of the following:
 Shakespeare: Tragedies and Histories E 3453
 Shakespeare: Comedies and Romanaces E3463
 Total hours in Theatre Arts Minor for English Major23

Combined Major, Communication and English

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

Refer to the Department of Communication listing for the list of requirements.

Course offerings

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests equivalent to those administered to Boise State University freshman will be required to take only the essay section of the placement tests. See requirements below for remedial and advanced placement in English Composition.

Nine credits of Creative Writing may be counted toward fulfillment of the major requirements.

Lower Division

E 1010 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.

E 101 ENGLISH COMPOSITION (3-0-3)(CORE). Basic skills in writing, including use of supportive materials, source references, basic patterns of organization, and standard usage. Successful completion of competency test required. PREREQ: ACT score 20 or 5 in Developmental Writing.

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/INST.

E 111, 112 HONORS COMPOSITION (3-0-3)(CORE). Provides superior student challenge emphasizing individual study and original writing. Introduction to critical 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, sequence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 500 or below. Practice in speaking and listening to current American English, reading and vocabulary development; elementary principles of English Composition. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. 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, recommendation of Foreign Student Advisor and PERM/INST. 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 research paper; continuation of vocabulary development and mastery of the more complex types of English structure. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 131 INTRODUCTION TO LITERATURE (3-0-3)(F/S). A study of popular and classic novels, short stories, plays, and poems by notable American, British, and other authors. Students will see film or television versions and hear recorded renditions of some of the works read. PREREQ: Completion of or concurrent enrollment in E 101 or PERM/CHMN.

E 201 ADVANCED EXPOSITORY COMPOSITION (3-0-3)(F/S). An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness. PREREQ: E 102 or PERM/CHMN.

E 202 TECHNICAL WRITING (3-0-3)(F/S). Practice in writing the main kinds of reports used in the science, social sciences, health sciences and other fields. Students will improve the logic, organization and persuasiveness of their writing. Will not fulfill Area I requirements. PREREQ: E 102 or PERM/CHMN.

E 205 CREATIVE WRITING - Poetry (3-0-3)(F). PREREQ: PERM/INST. based on evaluation of student's original work. May be repeated for nine credit hours.

E 206 CREATIVE WRITING-FICTION (3-0-3)(S). Introduction to fiction writing with a concentration on descriptive technique. Readings in the short story.

E 211 THE BIBLE AS LITERATURE (3-0-3)(S). Examines selected historical, biographical, poetic, dramatic teaching and letter-writing portions of Hebrew-Christian testaments. Emphasis in literacy aspects with discussions of notable concepts in major writings. PREREQ: E 102.

E 213 AFRO-AMERICAN LITERATURE (3-0-3)(S). The Black experience as reflected in the development of Black American literature. This course relates

Afro-American writing to its salient social and cultural conditions. It explores recurrent and characteristic themes, techniques, and genres from Slavery to present. Emphasis is on Black writing from the 1930's to the present day. PREREQ: E 102.

E 215 FAR EASTERN LITERATURE, IN TRANSLATION (3-0-3)(S) (Area I). Survey of literature of Far Eastern Countries with major emphasis on China, India, and Japan. An introduction cultural and religious environment of each country covered. PREREQ: E 102.

E 217 MYTHOLOGY (3-0-3)(F). Mythologies and mythological concepts having most influence on Western civilization. Emphasis on Greek, Norse and Judeo-Christian mythologies and their relation to religion, literature, art and modern psychology. PREREQ: E 102.

E 219 NORTH AMERICAN INDIAN FOLKLORE AND LITERATURE (3-0-3)(F). A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The content, form and style or oral narratives and the functions which these narratives serve in preliterate societies receive particular emphasis. PREREQ: E 102.

E 230 WESTERN WORLD LITERATURE (3-0-3)(F) (Area I). Introduction to writings of the great minds in the Western tradition which have shaped our cultural and literacy past and present. Reading includes selections from ancient Greece, Imperial Rome, medieval Europe and Renaissance Europe. PREREQ: E 102.

E 235 WESTERN WORLD LITERATURE (3-0-3)(S) (Area I). An introduction to the Western literary tradition as it has developed during the last four centuries. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of scepticism and rebellion. PREREQ: E 102.

E 240 SURVEY OF BRITISH LITERATURE TO 1790 (3-0-3)(F) (Area I). Examines the dominant cultural movements and literary forms in England from the middle ages through the 18th century. PREREQ: E 102.

E 260 SURVEY OF BRITISH LITERATURE: 1790 TO PRESENT (3-0-3)(S) (Area I). The reflection of social and cultural changes in the poetry and prose of Romantic, Victorian and modern England. PREREQ: E 102.

E 271 SURVEY OF AMERICAN LITERATURE: Beginnings to Civil War (3-0-3)(F/S) (Area I). This course traces the artistic, philosophic, social, scientific, and intellectual influences on American writers and the emergence of an independent American outlook, as seen in the literary works of such authors as Thoreau, Hawthorne, Melville, Emerson, and Whitman. PREREQ: E 102.

E 272 SURVEY OF AMERICAN LITERATURE: Civil War to Present (3-0-3)(F/S) (Area I). This course traces the continued development of American literary thought as revealed in the works of such authors as Twain, James, Hemingway, Eliot, and Faulkner. PREREQ: E 102

Upper Division

E 301 TEACHING ENGLISH COMPOSITION (3-0-3)(F/S). Methods and techniques for teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into all the other aspects of the total English program. Limited to teachers, students with a secondary option and a major or minor in English, or consent of the department. PREREQ: Upper Division standing, and LI 305, Introduction to Language Studies, or inservice teaching.

E 305 CREATIVE WRITING - ADVANCED POETRY (3-0-3)(S). PREREQ: E 20 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours. **E 306 ADVANCED FICTION (3-0-3)(F).** Exploration of Narrative technique dialogue form, and the short story. Recommended: E 206.

E 336 NINETEENTH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S). Major European writers in the 19th century in translation. Reading maintains a chronological approach stressing the relationship of the literature to the socio-economic and political conditions of the times. Works of Goethe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky and Tolstoy are included. PREREQ: E 102 or PERM/CHMN. Alternate years. Offered 1986/1987.

E 338 TWENTIETH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S). Twentieth century philosophical trends and cultural themes are emphasized in the reading. Includes works by Mann, Mauriac, Kafka, Hesse, Grass and Solzhenitzyn, which examine mythological, existential, religious, and political themes in relation to contemporary human values. PREREQ: E 102 or PERM/CHMN. Alternate years. Offered 1986/1987.

E 340 CHAUCER (3-0-3)(F). Emphasis on The Canterbury Tales and Troilus and Criseyde. Also representative minor works. PREREQ: Three credits, lower division literature or PERM/CHMN. Alternate years. Offered 1986/1987.

E 341 MEDIEVAL EPICS AND ROMANCES (3-0-3)(F/S). Representative English and continental epics and romances, including Beowulf, Sir Gawain, and the Green Knight, Chretien de Troyes, Arthurian Romances, The Song of Roland, the Nibelungenlied, The Cid. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1985/86.

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's Night Dream, As You Like

It, Twelfth Night, and the Tempest. PREREQ: Three credits of literature or PERM/CHMN.

E 348 BRITISH RENAISSANCE POETRY AND PROSE (3-0-3)(F/S) A study of the poetry and prose of the English Renaissance, including works by More Marlowe, Spenser, Shakespeare, and Bacon. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1985/1986.

E 349 ELIZABETHAN AND JACOBEAN DRAMA (3-0-3)(F/S) Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster and Ford. PREREQ: Three credits literature or PERM/CHMN. Alternate years. Offered 1986/1987.

E 350 SEVENTEENTH CENTURY POETRY AND PROSE (3-0-3)(S) The works of English authors such as Francis Bacon, Ben Jonson, John Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits literature or PERM/CHMN. Alternate years. Offered 1986/1987.

E 351 MILTON (3-0-3)(S) A study of John Milton's major poetry and prose, with special emphasis on Paradise Lost, Paradise Regained and Samson Agonistes. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1986/1987.

E 356 BRITISH DRAMA: THE RESTORATION TO THE DECADENT MOVEMENT (3-0-3)(F/S) A study of Restoration tragedy, the comedy of manners, sentimental comedy, and comic opera. Playwrights read include Wycherley, Dryden, Etherege, Congreve, Gay, Sheridan, Goldsmith, Gilbert and Sullivan, and Wilde. PREREQ: Three credits lower-division literature or consent of Department Chair. Alternate years. Offered 1986/87.

E 358 RESTORATION AND EIGHTEENTH CENTURY POETRY AND PROSE (3-0-3)(F/S) A study of literary currents in the British Enlightenment—from satiric to sentimental, reasonable to fanciful. Emphasis: Dryden, Pope, Swift, and Johnson, plus works by Addison and Steele, Thomson, Boswell, Gray, Gibbon, Burke, and others. PREREQ: Three credits lower-division literature or consent of Department Chair. Alternate years. 1985/86.

E 359 BRITISH NOVEL: BEGINNINGS THROUGH AUSTEN (3-0-3)(F) An investigation of the novel tracing its roots and exploring the work of Defoe, Richardson, Fielding, Smollett, Sterne, Austen and others. The emergence of the most popular genre of literature helps us to understand how fiction reflects our assumption about the world around us. PREREQ: Three credits of literature or PERM/CHMN.

E 360 BRITISH ROMANTIC POETRY AND PROSE (3-0-3)(F) Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. These Romantics provide freshly imagined patterns of emotional and intellectual response to nature and our place in it. PREREQ: Three credits literature or PERM/CHMN.

E 365 VICTORIAN POETRY (3-0-3)(S) Readings in Tennyson, Browning, Arnold, and others. Their poems are the sometimes sane, sometimes shocking results of trying to find and keep artistic and moral hope amidst vital but unhealthy times. PREREQ: Three credits literature or PERM/CHMN.

E 366 VICTORIAN PROSE (3-0-3)(S) Great prose stylists, including Carlyle, Arnold, Newman, Ruskin, and Pater, bring insights to controversy over issues still with us. Their subjects range from industrialism to mysticism, their purposes from amusement to reformation. PREREQ: Three credits literature or PERM/CHMN. Alternate years. Offered 1982/83.

E 369 BRITISH NOVEL: SCOTT THROUGH HARDY (3-0-3)(S) An investigation of the development of the English novel during the nineteenth century with particular attention to the impact of Victorian thought on the genre and to the emergence of the modern novel. Includes Scott, Dickens, Thackeray, the Brontës, Eliot, Meredith, and Hardy. PREREQ: Three credits of literature or PERM/CHMN.

E 377 AMERICAN RENAISSANCE (3-0-3)(F/S) A study in the second generation of the American literary experience when such leading writers as Hawthorne, Melville, Emerson, Thoreau, Poe and Whitman, acting under the varied impulses of Puritanism, Romanticism and idealism, created the first universal vision of human experience to appear in American literature. PREREQ: Three credits of literature or PERM/CHMN.

E 378 AMERICAN REALISM (3-0-3)(F/S) American literature from the Civil War to World War I. Mark Twain, Stephen Crane, Henry James, W.D. Howells, Kate Chopin, and fellow Realists wrote about the average person in the light of common day. Their novels show how American writers were increasingly influenced by science, business, and art. PREREQ: Three credits of literature or PERM/CHMN.

E 381 METHODS OF TEACHING SECONDARY SCHOOL ENGLISH (3-0-3)(F) Study of traditional and modern theories and methods of teaching composition, language and literature at the secondary level. PREREQ: Introduction to Language Studies LI 305.

E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(F/S) The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H.L. Davis, John Steinbeck, and Willa Cather. Also discussed are regional values and Western types such as the mountain man, the cowboy and the pioneer. PREREQ: Three credits of literature or PERM/CHMN.

E 385 MODERN BRITISH AND AMERICAN FICTION (3-0-3)(F/S) Designed to acquaint both nonmajors and majors with typical themes, subject matter, and stylistic innovations in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Cary, Ellison, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. PREREQ: Three credits in literature or PERM/CHMN.

E 389 MODERN BRITISH AND AMERICAN DRAMA (3-0-3)(F/S) An analysis of the various dynamic confrontation between 20th century audiences and actors arranged by dramatists as far apart in their times, themes, and techniques as Shaw and Stoppard, O'Neill, and Osborne. PREREQ: Three credits literature or PERM/CHMN.

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

E 393 HISTORY OF LITERARY CRITICISM (3-0-3)(F) A survey of critical approaches to literature from Plato to the twentieth century. PREREQ: 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 styles, taking into account varieties of technique and their appropriateness for a specific audience. Will not fulfill Area I requirement for graduation. PREREQ: E 102 or PERM/INST.

E 481 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOLS (3-0-3)(F) A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is placed on critical reading of literature ordinarily used with adolescents in secondary schools. Secondary emphasis is placed on methods of critical analysis appropriate to secondary students. All genres will be discussed. Both classical and popular authors will be included. PREREQ: E 102, completion of two literature courses.

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 393 or PERM/CHMN.

E 498 SENIOR SEMINAR (2-0-2)(S) Required of all senior English majors. PREREQ: Senior standing or PERM/CHMN.

HU HUMANITIES

HU 207, 208 INTRODUCTION TO HUMANITIES (3-0-3)(F/S)(Area I) Man's intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. PREREQ: E 102 or PERM/CHMN.

LI LINGUISTICS

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, and communication theory, with emphasis on sound, word, sentence formation in English. PREREQ: E 102 or PERM/CHMN.

LI 307 APPLIED ENGLISH LINGUISTICS (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 on the development of English; Indo-European and Germanic backgrounds; development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. 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 transformation, structural, and newly developing theories of grammar. PREREQ: LI 305 or PERM/CHMN. Alternate years. Offered 1985/86.

LI 407 APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(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 Alternate years. Offered 1985/86.

Department of Geology/Geophysics

Science Building, Room 104 Telephone (208) 385-1631

Chairman, Professor: Claude Spinosa; Professors: Hollenbaugh, Donaldson, Waag, Wilson; Associate Professors: Bentley, Pelton, Wood; Assistant Professor: White.

Majors offered

Earth Science Education
Geology
Geophysics

Special Information for Students

The Department of Geology and Geophysics provides four degree programs: 1) Bachelor of Science in Geology, 2) Bachelor of Science in Geophysics, 3) Bachelor of Science in Earth Science Education, and 4) Master of Science in 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 Sociology, Anthropology and Criminal Justice Administration.

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.

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

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

It is strongly recommended that high school students who plan to enter the Geology, Geophysics, or Earth Science program include Chemistry, Physics, and as much Mathematics as possible in their high school program.

Degree requirements

GEOLOGY MAJOR Bachelor of Science Degree

1. Geology Major
2. General University and BS Degree Requirements.
3. Major Requirements:
 - Geology and Geophysics53
 - Physical Geology GO 1014
 - Historical Geology GO 1034
 - Mineralogy GO 2213
 - Field Geology GO 2803
 - Igneous & Metamorphic Petrology GO 3233
 - Igneous & Metamorphic Petrography GO 3241
 - Sedimentology GO 3113
 - Stratigraphy GO 3123
 - Geomorphology GO 3133
 - Structural Geology GO 3143
 - Invertebrate Paleontology GO 3513
 - Advanced Field Geology GO 480
or Summer Field Camp4-6
 - Senior Seminar GO 498 or 4991
 - Geology Electives10

- College Chemistry C 131, 132, 133, 1349
- General Physics PH 101-102 or Physics I
and II or III with labs PH 220-2247-11
- Mathematics through M 205* or 21210-15
- Cartography GG 220 or Surveying EN 2153-2
- Recommended Electives15
- 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.

EARTH SCIENCE EDUCATION MAJOR (Bachelor of Science Requirements)

1. General College and Baccalaureate Degree Requirements.
2. Major Requirements
 - Geology30
 - Physical Geology4
 - Historical Geology4
 - Introduction to Ocean Geology3
 - Meteorology3
 - Geology Seminar1
 - Geomorphology3
 - Geology electives to total 30 credits
 - College Chemistry9
 - General Physics or General Biology8
 - Mathematics through M-20410
 - Astronomy4
 - Recommended Electives6-8
 - Geography, Communication, Foreign Language, Mathematics,
Life Science, Field Geology, Mineralogy
3. Education Requirements25-30
The following are required for Secondary Teaching Certification in Idaho:
 - Foundations of Education3
 - Educational Psychology3
 - Secondary School Methods3
 - Secondary Student Teaching9-14
 - Educating the Exceptional Secondary Student TE 3331
 - Reading in Content Subject TE 3073
 - Secondary School Science Methods TE 3843

GEOPHYSICS MAJOR

Bachelor of Science Requirements

General University and BS Degree Requirements

Major Requirements:

- a. Geophysics16
 - Introduction to Applied Geophysics GP 3013
 - Physics of the Earth GP 3253
 - Applied Geophysics I & II GP 451,45210
- b. Geology27
 - Physical Geology GO 1014
 - Historical Geology GO 1034
 - Mineralogy GO 2213
 - Igneous & Metamorphic Petrology GO 3233
 - Ig. & Met. Petrography GO 3241
 - Stratigraphy GO 3123
 - Structural Geology GO 3143
 - Advanced Field Geology GO 480
or Summer Field Camp4-6
- c. Chemistry9
 - College Chemistry C 131, 132, 133, 1349
- d. Physics14
 - Physics I, II and III with Labs 223, 22411
 - Electricity and Magnetism PH 3813
 - (Numerical Analysis M 340 may be taken in place of PH 381)

e. Mathematics	19
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	Math M 421, M 340
Geology GO 403, 412, 421, 431	

Recommended programs

GEOLOGY MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
College Chemistry (C 131, 132, 133, 134)	4	5
English Composition (E 101, and 102)	3	3
Physical Geology (GO 101)	4	-
Historical Geology (GO 103)	-	4
Algebra and Trigonometry (M 111)	5	-
Calculus and Analytic Geometry (M 204)	-	5
	16	17
SOPHOMORE YEAR		
Cartography (GG 220)*	-	3
Mineralogy (GO 221)	3	-
Ig. & Met. Petrology (GO 323)	-	3
Ig. & Met. Petrography (GO 324)	-	1
Field Geology (GO 280)	3	-
Physics (PH 101-102)*	4	4
Calculus & Analytic Geometry (M 205)*	4	-
Area I & II Electives	-	6
	16	17
JUNIOR YEAR		
Structural Geology (GO 314)	-	3
Sedimentology (GO 311)	3	-
Stratigraphy (GO 312)	-	3
Geomorphology (GO 313)	-	3
Geophysics (GP 301) or (GP 325)	3	3
Electives (Area I & II)	6	3
Upper Division Geology & Geophysics Electives	3-6	3-6
	15-18	15-18
SENIOR YEAR		
Advanced Field Geology (G) 480)*	-	4
Senior Seminar (GO 498 or 499)	-	1
Upper Division Geology & Geophysics Electives	4	-
Area I and II Electives	6	3
Free Electives (at least 3 credits of upper division)	3	6
Invertebrate Paleontology (GO 351)	3	-
	16	16

*See alternate courses under requirements.

EARTH SCIENCE EDUCATION MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition	3	3
Physical Geology	4	-
Historical Geology	-	4
Mathematics	5	5
College Chemistry	4	5
	16	17
SOPHOMORE YEAR		
Foundations of Education	-	3
Geography	3	-
General Physics or General Biology	4	4
Intro to Ocean Geology	-	3
Meteorology	3	4
General Psychology	-	3

Degree Requirements	6	-
Astronomy	-	4
	16	17

JUNIOR YEAR

Upper Division Geology	4	4
Degree Requirements	3	6
Upper Division Electives	7	6
Geomorphology	3	-
	17	16

SENIOR YEAR

Educational Psychology	-	3
Upper Division Geology	6	-
Seminar	1	-
Secondary School Methods	3	-
Student Teaching	-	9-14
Education Requirements	3	-
Education Requirements	6	-
Education Requirements	-	2
	14-19	16

GEOPHYSICS MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
Physics I PH 220	-	3
Physical Geology GO 101	4	-
Calculus & Anal. Geometry M 204, 205	5	4
College Chemistry C 131, 132, 133, 134	4	5
English Composition E 102	3	-
Historical Geology GO 103	-	4
Digital Computer Programming EN 104	-	2
	16	18
SOPHOMORE YEAR		
Calculus & Anal. Geometry M 206	4	-
Mathematics M 320, M 331	-	5
Physics II & III PH 221,222	3	3
Physics Lab PH 223,224	1	1
Mineralogy GO 221	3	-
Igneous & Met. Petrology GO 323	-	3
Igneous & Met. Petrography GO 324	-	1
Area I & II Requirements	6	3
	17	16
JUNIOR YEAR		
Structural Geology GO 314	-	3
Stratigraphy GO 312	3	-
Physics of the Earth GP 325	-	3
Area I & II Requirements	9	3
Intro Applied Geophysics GP 301	3	-
Unrestricted Electives	-	6
	15	15
SENIOR YEAR		
Applied Geophysics I & II GP 451,452	5	5
Field Geology GO 480	-	4
Electricity & Magnetism PH 381	3	-
Unrestricted Electives	6	4
Area I & II Requirements	3	-
	17	13

Course offerings

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, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in Geology, or Earth Science majors, and those nonscience 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 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)(F/S). A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory sessions are part of the course for those taking the class for credit. PREREQ: High school chemistry or PERM/INST.

GO 111 GEOLOGY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(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 PERM/INST.

GO 201 INTRODUCTION TO OCEAN GEOLOGY (3-0-3)(F/S). A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. PREREQ: GO 103.

GO 213 INTRODUCTION TO METEOROLOGY (3-0-3)(F). 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 held specimens of about 100 important minerals. PREREQ: GO 101. COREQ: C 131.

GO 232 OPTICAL MINERALOGY (1-3-2)(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 petrographic microscope for the identification and quantitative examination of minerals. COREQ: GO 221.

GO 250 PRINCIPLES OF PALEONTOLOGY (2-3-3)(F/S). 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 (1-6-3)(F) (Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereopair air photos, Brunton compass, and plane-table alidade for mapping. 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, 103, E 102. COREQ: M 111.

Upper Division

GO 311 SEDIMENTOLOGY (2-3-3)(F). A study of the classification of sedimentary rocks and processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Field methods and techniques are stressed; laboratory work consists of compositional and textural analysis. PREREQ: GO 221.

GO 312 STRATIGRAPHY (3-0-3)(S) (Field trips required). The study of sedimentary rocks with chronology as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the end result. PREREQ: GO 311.

GO 313 GEOMORPHOLOGY (2-3-3)(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 process by which they are formed and changed. Laboratory work consists of map studies and field investigations. PREREQ: GO 103, E 102.

GO 314 STRUCTURAL GEOLOGY (2-3-3)(S)(Field trips required). A study of the description and classification of fundamental deformational features in rocks of the earth's crust and the theoretical and mechanical explanations of their origin. Lab problems in 3-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)(S). A study of igneous and metamorphic rocks with emphasis on the physical and chemical constraints on their origin, occurrences and associations. The classification schemes of these rocks and their tectonic affiliations. PREREQ: GO 221, GO 232, COREQ: GO 324.

GO 324 IGNEOUS AND METAMORPHIC PETROGRAPHY (0-3-1)(S). The study of igneous and metamorphic rocks in thin section by means of the polarizing microscope. A systematic survey of the classes of igneous and metamorphic rocks and study of their origin and histories through examination of their mineralogy, textures, fabrics, and alteration. PREREQ: GO 232 COREQ: GO 323.

GO 351 INVERTEBRATE PALEONTOLOGY (2-3-3)(F) (Field trips required). The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hardpart morphology, ontogeny, phylogeny and taxonomy of the geologically more important groups. Laboratory work based on standard collec-

tions. Special project, field trips. PREREQ: GO 103.

GO 403 ENGINEERING GEOLOGY (2-3-3)(F). Field trip required. Introduction to soil and rock mechanics. Slope stability analysis. Surface and subsurface exploration of sites. Geological and geophysical considerations for construction projects. Current applications of geology to engineering projects. PREREQ: GO 280, PH 102 or PH 220, GO 323 or permission of instructor.

GO 412 GROUNDWATER GEOLOGY (3-0-3)(F). A study of the origin of water found beneath the earth's surface and the geologic conditions which permit the movement, work, and accumulation of water in subsurface materials. Emphasis is placed on structural, sedimentational, and stratigraphic conditions most conducive to the formation of ground water reservoirs. PREREQ: GO 312, 314.

GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F)(Alternate years) (Field trip required). 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 tectonites, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of tectonic styles of deformation of different geologic provinces throughout North America. PREREQ: GO 314

GO 421 ORE DEPOSITS (3-0-3)(F) (Field trips required). Genesis, structure, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration, and secondary enrichment, controls of ore occurrence and the economics of exploration, development, and use of ores. PREREQ: GO 221, 314.

GO 422 EXPLORATION AND MINING GEOLOGY (3-0-3)(S). The course emphasizes geologic, engineering, and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematically gathering, evaluating, and presenting 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 distribution, and methods and techniques for prospecting and developing petroleum fields. PREREQ: GO 311, 314.

GO 460 VOLCANOLOGY (2-0-2)(F)(Field trip)(Odd years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas and of the types of volcanic vents and vent structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcano-tectonic relationships will be emphasized. PREREQ: GO 323.

GO 471 REGIONAL FIELD STUDY AND REPORT WRITING (1-0-1)(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 (1-9-4)(S). 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 a 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, GEOLOGY SEMINAR (1-0-1). Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. PREREQ: Geology major or Earth Science Education major.

GG GEOGRAPHY

Lower Division

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

GG 102 CULTURAL GEOGRAPHY (3-0-3)(F/S) (Area II). A study of the distribution and character of man's cultural activities throughout the world with analysis on man-land relationships.

GG 201 THE USE AND INTERPRETATION OF MAPS (3-0-3)(F/S). An intensive use and interpretation of a wide spectrum of map types, their advantages and limitations for students of various fields, such as Archaeology, History, Geology and Teaching.

GG 220 CARTOGRAPHY (1-6-3)(F/S). A study of the methods, concepts, techniques and instrumentation of map construction. Involves compilation and graphic presentation of data through the use of coordinate systems, map projections and scale. Lettering tools, graphic design, dimensional problems, computer mapping, and aerial photographs are discussed.

GG 221 GEOGRAPHY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S). Physical and cultural geography of the Pacific Northwest with emphasis on Idaho. Study includes the continuing physical, biological, social, political, and economic changes and the role of the region in relationship to the United States. Current problems and problem solving in accordance with the known resource base.

GG 231 GEOGRAPHY OF CANADA AND LATIN AMERICA (3-0-3)(F/S). A study of the natural and cultural geographies of Canada and Latin America with emphasis on the resources, environments, peoples and potential of each region. PREREQ: GG 101, PERM/INST.

GG 241 GEOGRAPHY OF AFRICA AND THE FAR EAST (3-0-3)(F/S). The physical and cultural geography of Africa and the Far East with emphasis on the relationships and changes within the regions. Topics include the various landscapes, flora and fauna, peoples and problems. PREREQ: GG 101, PERM/INST.

Upper Division

GG 301 HISTORICAL GEOGRAPHY OF THE UNITED STATES (3-0-3)(F/S). The course explores the changing physical and cultural landscapes of the United States through time and space and analysis of the various regions. Included is the study of the distribution and relationships between peoples, land and resources. PREREQ: GG 102 PERM/INST.

GG 311 WORLD ECONOMIC GEOGRAPHY (3-0-3)(F/S). A real distribution and variation of resources and human activity related to producing, exchanging and consuming commodities. Economic activities are studied in the context of where they occur, their regional characteristics and their relationship to national or international phenomena. PREREQ: GG 101, or PERM/INST.

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

GG 331 CLIMATOLOGY (3-0-3)(F/S). Atmospheric processes, global heat and moisture balance, radiation budget and world climate zones. Applied climatological concepts, evaporation, soil water conditions, regional and global climatic trends, climate change, and climate modification. PREREQ: GO 101 or GG 101.

GP GEOPHYSICS

Upper Division

GP 301 INTRODUCTION TO APPLIED GEOPHYSICS (3-0-3)(F). A survey of surface based geophysics methods, including elementary theory, basic field practice, computation fundamentals, interpretation techniques and economic considerations of seismic, gravimetric, magnetic, and electrical techniques. Applicability of various techniques to exploration geology (economic and petroleum), engineering geology and groundwater geology will be stressed. PREREQ: PH 102, GO 101.

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

GP 451 APPLIED GEOPHYSICS I (4-3-5)(F). A detailed treatment of the application of geophysical methods used in petroleum and mineral exploration and geotechnical investigations. Theory, data acquisition, data reduction and data interpretation will be emphasized. PREREQ: GO 314, GP 301, M 320, M 331, and PH 222.

GP 452 APPLIED GEOPHYSICS II (4-3-5)(S). A continuation of GP 451 with emphasis on field procedures, equipment array and geophysical surveying techniques. PREREQ: GP 451.

GS GENERAL SCIENCE

GS 305 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3-0-3)(S)(alternate years). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science - both as subject matter and as processes of scientific inquiry. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curricular materials for secondary school science teaching.

Department of History

Library Building, Room 247

Telephone (208) 385-1255

Chairman and Professor: Warren L. Vinz; Professors: Barrett, Fletcher, Keiser, Lovin, Ourada, Sims; Associate Professors: Buhler, Lundy, Odahl, Zirinsky; Assistant Professors: Jones, Shin.

The Department of History offers three baccalaureate degree programs: History-Liberal Arts (42 hours of History) History-Secondary Education Option (42 hours of History); 27 hours State Teacher Certifi-

cation requirements); and History-Social Science, Secondary Education Option (minimum 33 hours History, 20 hours each in two Social Sciences, 27 hours State Teacher Certification requirements). The History-Liberal Arts degree helps the student prepare for either graduate history or careers in History related professions, and provides a broad Liberal Arts training for the student. The other two degrees prepare the student for a teaching career. Specific requirements for each degree are listed below.

Majors offered

- History
- History, Secondary Education
- History - Social Science, Secondary Education

Degree requirements

**HISTORY MAJOR
Bachelor of Arts Program**

History-Liberal Arts Option

- a. General University Requirements to include:
 - *One year of college level Foreign Language 6-8
 - American National Government 3
- b. History Requirements:
 - Lower Division Courses 15
 - History of Western Civilization HY 101, 102, or 201, 202 6
 - U.S. History HY 151, 152, or 251, 252 6
 - Intro to the Study of History HY 210 3
 - **Other History Courses 27
 - History Seminar 3
 - Seminar or Colloquium 3
 - Upper Division History (minimum) 12
 - Additional History Upper or Nonrequired Lower Division 9
- c. Electives 28-36

History-Secondary Education Option

- a. General University Requirements:
 - American National Government 3
- b. History Requirements:
 - Lower Division Courses 15
 - History of Western Civilization HY 101, 102, or 201, 202 6
 - U.S. History HY 151, 152, or 251, 252 6
 - Introduction to the Study of History HY 210 3
 - **Other History Courses 27
 - U.S. History Electives (Upper Division) 3
 - Upper Division History (minimum) 12
 - Seminar or Colloquium 3
 - Additional History Electives (Upper or Nonrequired) Lower Division 9
- c. Education Requirements for State Certification for Secondary Education:
 - To include TE 385 25-30
- d. Electives 18-13

*Language equivalency required by the History Department will be determined by the Department of Teacher Education.

**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.

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

College of Arts and Sciences

- 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)

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.

History Minor Option

Minor certification endorsements for teaching areas are listed in this Catalog under the Department of Teacher Education, College of Education.

Recommended program

All History courses specifically required for the major are offered each semester allowing for some flexibility in student scheduling. However, 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. up through the cultural renaissance and religious reformation of western Europe in the sixteenth and seventeenth centuries of the Christian 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 western concept of science, and cultural and scientific interaction at selected critical points of change in western history; the origins of science under the Greeks; medieval assumptions about the physical world; the scientific revolution of the seventeenth and eighteenth centuries; biological theories; and science in the modern world.

HY 105 EASTERN CIVILIZATIONS (3-0-3)(Area II)(F/S). 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 survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.

HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected historiographical 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 PERM/INST.

HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected historiographical 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 PERM/INST.

HY 205 LEWIS AND CLARK (2-0-2)(S). 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)(F)(Area II). Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

HY 252 PROBLEMS IN U.S. HISTORY (3-0-3)(S)(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 PERM/INST.

HY 261 HISTORY OF MINORITIES IN THE UNITED STATES (3-0-3)(F/S). 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)(F/S). 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 101. PREREQ: HY 102. Alternate years.

HY 307 MODERN GERMANY (3-0-3)(F/S). 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)(F/S). 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)(S). A study of European society, economic development, artistic expression, humanism, and political concepts from the 12th through 16th centuries. PREREQ: HY 102 or PERM/INST. Alternate years.

HY 310 THE REFORMATION (3-0-3)(F). 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 Catholic Reformation and dissident minority sects. PREREQ: HY 102 or PERM/INST. Alternate years.

HY 311, 312 HISTORY OF ENGLAND (3-0-3)(F/S). First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1688. Second Semester: Great Britain from the seventeenth century to the present. Alternate years.

HY 313, 314 HISTORY OF RUSSIA (3-0-3)(F/S). HY 313: Origin and development of the Kievan and Muscovite states. HY 314: Growth and development of Tsarist Russia. Alternate years.

HY 315, 316 HISTORY OF THE FAR EAST (3-0-3)(F/S). First semester: Survey of the history of China and Japan to ca. 1600, emphasizing their cultural development. Korea and Viet Nam receive brief consideration. Second semester: A study of the political, economic, and cultural transformation of East Asia as a result of its interaction with the West. Alternate years.

HY 317 HISTORY OF SOVIET RUSSIA (3-0-3)(F/S). A survey of the history of Soviet Russia from the last tsars through the present. Alternate years.

HY 319 ANCIENT GREECE (3-0-3)(F/S). A study of the ancient Greek world from the Minoan sea empire of the second millennium to the empire of Alexander the Great in the late fourth century B.C. Political, economic; and cultural history are emphasized with special attention given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing and Visual Arts. PREREQ: HY 101, PERM/INST. Alternate years.

HY 320 ANCIENT ROME (3-0-3)(F/S). A survey of Rome from its earliest beginnings under Etruscan tutelage through its late imperial phase in the 5th century of the Christian era. Emphasis on political and military developments, social and religious changes, outstanding personalities, and literary, legal and artistic achievements. PREREQ: HY 101 or PERM/INST.

HY 323 EARLY CHRISTIANITY (3-0-3)(F/S) A study of the rise and development of Christianity from its Jewish and Greek origins in the first century through its establishment and elaboration as the state religion of the late Roman empire in the fifth century. Doctrinal, ethical, organizational liturgical and aesthetic developments within the Christian movement, and the political, social and cultural roles of the Church within the late empire are analyzed through the media of early Christian and contemporary pagan writings and artistic remains. Alternate years.

HY 324 MEDIEVAL EUROPE (3-0-3)(F/S). A survey of the political, religious, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special emphasis given to the Constantinian revolution, the rise and elaboration of monasticism, the Carolingian empire, feudalism and chivalry, the Gregorian papacy, and the outstanding cultural achievements of the twelfth century renaissance. Alternate years.

HY 327 LIVING RELIGIONS: A Comparative Historical Study (3-0-3)(F) A comparative analysis of the major active religious traditions of the world, treating their historical development, philosophical foundations and social and political rami-

fications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Taoism, Shinto, Judaism, and Christianity. Recommended: HY 105. Alternate years.

HY 329 HISTORY OF MODERN SOUTH ASIA: India, Pakistan and Burma from 1750 to the Present (3-0-3)(F/S). The Mughal Empire; its decline the rise of British Power; its social, political, and economic impact; South Asian reaction to British rule; the rise of nationalism and independence; and Indian and Pakistani history since 1947. Alternate years.

HY 330 HISTORY OF MODERN AFRICA; 1750 Present (3-0-3)(F). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its abolition, the pre-colonial eras, independence movements and the emergence of the modern African state. Mediterranean, Black and White African states will be included. Alternate years.

HY 331 THE ISLAMIC MIDDLE EAST (3-0-3)(F). A history of the people, institutions and culture of the Near and Middle East from Muhammad to the decline of the Ottoman and Safavid empires in the eighteenth century. Alternate years.

HY 332 THE MODERN MIDDLE EAST (3-0-3)(S). A history of the near and Middle East during the nineteenth and twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. HY 102 recommended. Alternate years.

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

HY 334g UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience; customs, traditions and intellectual developments. HY 151, 152 recommended. Alternate years.

HY 335 DIPLOMATIC HISTORY OF THE UNITED STATES (3-0-3)(F/S). Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policies. HY 151, 152 recommended. Alternate years.

HY 336 UNITED STATES CONSTITUTIONAL HISTORY (3-0-3)(F). A study of the origins, writing and development of the American constitution emphasis on the role of the Supreme Court. PREREQ: HY 151, 152 or PERM/INST. Alternate years.

HY 338 HISTORY OF IRELAND (3-0-3)(F/S). The development of the concept of an Irish nationality, the effects of the long colonial relationship between Ireland and Great Britain, the struggle for Irish independence, the contemporary Ulster issue. Alternate years.

HY 351 COLONIAL AMERICA (3-0-3)(F). Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development; and the war for American independence. PREREQ: HY 151 or PERM/INST. Alternate years.

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

HY 354 CIVIL WAR AND RECONSTRUCTION (3-0-3)(F/S). A study of the origins of the conflict between the states, the encounter and the problems of reunification. PREREQ: HY 151 or PERM/INST. Alternate years.

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

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

HY 357 IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S). Political, economic and social development of the pacific northwest with emphasis upon the people, customs and institutions of Idaho. HY 151 recommended. Alternate years.

HY 358 THE GILDED AGE (3-0-3)(S). A study of United States history from 1877 to 1917, with emphasis upon industrial and concomitant social developments, emergence as a world power, and national responses to these changes, culminating with the Progressive Movement and Woodrow Wilson's "New Freedom." PREREQ: HY 152 or PERM/INST. Alternate years.

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

HY 367 COLONIAL LATIN AMERICA (3-0-3)(F). A study of the development of distinctive Latin American societies through the fusion of late medieval Iberian with American and African cultures in Middle and South America, with emphasis upon the creation of colonial institutions in the context of Spain's and Portugal's imperial rise and decline, and the early 19th century wars of independence.

Recommended HY 102. Alternate years.

HY 368 MODERN LATIN AMERICA (3-0-3)(S). An examination of Latin America in the aftermath of the wars of independence, and the struggles for political and economic stability during the nineteenth century. Particular emphasis placed upon twentieth century socio-economic change and the role of the United States in that process. Recommended: HY 152. Alternate years.

HY 380 COLLOQUIUM IN AMERICAN HISTORY (3-0-3). Intensive studies of particular period, topic, or problem in American history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper Division standing.

HY 381 COLLOQUIUM IN EUROPEAN HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in European history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper Division Standing.

HY 382 COLLOQUIUM IN THIRD WORLD HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in Third World History. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper Division Standing.

HY 410 ARCHIVES AND MANUSCRIPTS (3-0-3)(S). Practical experience in the arrangement and description of manuscript collections located in the Idaho State Archives at 325 West State Street, Boise, and the research and writing of a paper using original or primary sources, including newspaper collections located in the Archives.

HY 417 UNITED STATES ECONOMIC HISTORY (3-0-3)(F/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 and EC 202 or PERM/INST. May be taken for History or Economics credit, but not for both.

HY 422 HISTORY OF SOCIALISM (3-0-3)(F/S). Survey of European egalitarian ideas and movements. Emphasis given to 19th and 20th centuries. Alternate years.

HY 423g EUROPEAN DIPLOMATIC HISTORY 1871-Present (3-0-3)(F/S). Major problems in European diplomacy since 1871; search for security after unification of Germany, potential collapse of Ottoman Empire, imperialism in Africa and Asia, alliance systems, origins of World Wars One and Two, cold war and merging of European diplomacy into world diplomacy. Alternate years.

HY 432 TUDOR-STUART ENGLAND (3-0-3)(S). England during the reigns of Tudor and Stuart monarchies; monarchy and parliamentary government; rise of middle class; beginnings of empire; religious and social conflict; cultural developments. Alternate years.

HY 468 HISTORY OF MEXICO (3-0-3)(F/S). An examination of cultural, social, political, and economic factors affecting the historical development of Mexico from pre-conquest times to the present, with emphasis upon the conquest era, the revolution and post-revolutionary periods. Recommended: HY 367. Alternate years.

HY 480 SEMINAR IN AMERICAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in American history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division standing.

HY 481 SEMINAR IN EUROPEAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division standing.

HY 482 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. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division Standing.

HY 498 HISTORY SEMINAR (3-0-3).

Department of Mathematics

Science Building, Room 202

Telephone (208) 385-1172

Chairman and Professor: Charles R. Kerr; *Associate Chairman and Associate Professor:* Masao M. Sugiyama; *Professors:* Anderson, Ball, Eastman, Hughes, Juola, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; *Associate Professors:* Ferguson, Hausrath, Kenny; *Assistant Professors:* Ayers, Grantham, Griffin, Hunter.

Math majors offered

Mathematics

Mathematics, Secondary Education

Department Statement

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.

Degree requirements

MATHEMATICS MAJOR Bachelor of Science Degree

1. University Requirements for BA or BS Degree, including Electives.
2. Mathematics Requirements: Lower Division
 - a. Calculus through M 206 or 212
 - b. Digital Computer Programming CS 124 or EN 104
 - c. Applied FORTRAN Programming M 225 or Assembler Language CS 226
3. Upper Division Mathematics - 27 credits including:
 - a. One or more of:
 - 1) Linear Algebra M 301
 - 2) Intro to Abstract Algebra M 302
 - 3) Number Theory M 306
 - b. One or more of:
 - 1) Foundations of Analysis M 314
 - 2) Numerical Analysis M 340
 - 3) Complex Variables M 406
 - c. One or more of:
 - 1) Fundamentals of Statistics M 361
 - 2) Probability & Statistics M 431-432 (both)
 - d. One of the following sequences ending at the 400 level:
 - 1) Abstract Algebra M 441-442
 - 2) Advanced Calculus M 401-402
 - 3) Probability & Statistics M 431-432
 - 4) Applied Mathematics M 421-456
 - 5) Computer Science CS 354-358-451
 - e. And a 400-level course (numbered below CS/M 490) in addition to those in the sequence selected.

Upper-division courses can be used to satisfy more than one requirement. M 406 may be used to satisfy both the "one or more of M 314, M 340, or M 406" requirement and the "additional 400-level course" requirement. The sequence M 431-432 can be applied both to the probability and statistics requirement and to the upper-division sequence requirement. All upper-division mathematics courses numbered below 490 count toward the requirement of 27 upper-division mathematics credits. No more than 4 credits of the combined total of credits earned for courses numbered CS/M 490 through CS/M 499 can be used toward the 27 credits of upper div Mathematics requirement.

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, and business as well as CS 122, CS 124, CS 126, CS 226, CS 354, CS 358, and CS 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.

MATHEMATICS, SECONDARY EDUCATION MAJOR Bachelor of Science Degree

1. University Requirements for BS or BA Degree
2. Mathematics Requirements:
 - a. Computers: CS 122 or 124 - 2 credits
 - b. Calculus through M 206 or M 212 - 10-13
 - c. Linear Algebra: M 301 - 4
 - d. At least one of
 - Intro. to Abstract Algebra M 302 - 3
 - Number Theory M 306 - 3
 - e. Foundations of Geometry M 311 - 3
 - f. Foundations of Analysis M 314 - 3
 - g. Statistics M 361 or both M 431-432 - 4-6
 - h. Mathematical Modeling M 464 - 3
 - i. Mathematics in Secondary Schools M490 - 3
 - j. Either 45 semester hours of Mathematics or an approved area of emphasis outside of Mathematics.

NOTE: For those students planning to teach junior high school Mathematics, M 103 is strongly recommended.

3. Education Requirements - 25-30 credits. See "Certification Requirements and Endorsements for Secondary Education", in the section for the Department of Teacher Education.

Recommended programs MATHEMATICS MAJOR

FRESHMAN YEAR

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

SOPHOMORE YEAR

Calculus M 206
Computers PH 225 or CS 226
Linear Algebra M 301
Foundations of Analysis M 314
Area I and Area II core requirements

JUNIOR YEAR

Introduction 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 Emphasizing Computer Science

FRESHMAN YEAR

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

- Suggested electives:
 Speech CM 111
 Logic PY 121
 College Chemistry C 131-134

SOPHOMORE YEAR

- Calculus M 206
 Assembler Programming CS 226
 Linear Algebra M 301
 Area I and Area II core requirement.

- Suggested electives:
 Applied Programming PH 225
 COBOL I IS 360
 Differential Equations M 331
 Economics EC 201-202
 Physics I - Mechanics PH 220
 Physics II - Wave Motion and Heat PH 221-223

JUNIOR YEAR

- Data Structures CS 358
 Programming Languages CS 354
 Discrete Structures M 356
 Numerical Analysis M 340
 Area I and Area II core requirement.

- Suggested electives:
 Foundations of Analysis M 314
 Physics III -Electricity and Magnetism PH 222-224
 Technical Writing E 202

SENIOR YEAR

- Systems Programming CS 451
 Mathematical Statistics M 431-432
 Mathematical Modeling M 464
 Linear Programming M 456
 Area I and Area II core requirement.

- Suggested electives:
 Internship
 Finance FI 303
 Database Applications IS 405
 Systems Analysis and Design IS 420
 Software Design IS 430

MATHEMATICS, SECONDARY EDUCATION

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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Calculus M 204, 205 or 211, 212	5	4-5
Programming CS 122 or 124	2	-
Electives	6	9-8
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
	16	16
JUNIOR YEAR		
Foundations of Analysis M 314	3	-
Algebra M 302 or Number Theory M 306	-	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

Course offerings

CS COMPUTER SCIENCE

Lower Division

CS 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 placement exam.

CS 122 A FIRST COURSE IN PROGRAMMING (2-0-2). Programming concepts using a conversational language such as BASIC with a small computer. PREREQ: Satisfactory score on algebra placement exam.

CS 124 DIGITAL COMPUTER PROGRAMMING (2-0-2). Beginning FORTRAN. See EN 104. Credit cannot be obtained for both CS 124 and EN 104.

CS 126 INTRODUCTION TO COMPUTER SCIENCE (4-0-4)(S): This course is for students planning to become computer professionals. Topics covered include machine architecture, introduction to machine and assembly language, number systems, data representation, algorithms, symbolic logic, structured programming, applications, and social impact of computers. PREREQ: (M 106 or M 111) and (CS 122 or EN 104) or PERM/INST.

CS 226 ASSEMBLER LANGUAGE (4-0-4). Assembler language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, handsome output, program sectioning and linking, macros. PREREQ: CS 126 or PERM/INST.

Upper Division

CS 354 PROGRAMMING LANGUAGES (4-0-4). A survey of current languages (such as FORTRAN, COBOL, PL/1, SNOBOL, LISP, APL), their programming and design. Syntax and semantics. Informationbinding, strings, arithmetic, input/output. Recursion, multiprocessing, extensibility. PREREQ: CS 226 or PERM/INST.

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

CS 451 SYSTEMS PROGRAMMING (4-0-4). Machine language programming, compiled languages, program optimization, computer logic and design. PREREQ: CS 226.

M MATHEMATICS

Lower Division

M 012 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 020 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 (4-0-4)(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 the 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 111 ALGEBRA AND TRIGONOMETRY (5-0-5)(Area III). Selected topics in college algebra and trigonometry. The course will prepare the student for calculus. PREREQ: Satisfactory score on placement exam.

M 120 APPLIED STATISTICS WITH THE COMPUTER (4-0-4)(S). Pre-calculus treatment of probability and statistics. Emphasis on concepts and applications rather than on proofs. Use of available computer statistics packages to handle computations. PREREQ: M 108 or M 111

M 204 CALCULUS AND ANALYTIC GEOMETRY (5-0-5)(Area III). Plane analytic geometry, functions, limits and continuity. The derivative and applications. The integral and applications. Conic sections and translation of axes. PREREQ: Satis-

factory score on placement exam.

M 205 CALCULUS AND ANALYTIC GEOMETRY (4-0-4)(Area III). Calculus of exponential, logarithmic and trigonometric functions. Techniques of integration. Conic sections and translation of axes. Indeterminate forms, Taylor's Formula and infinite series. PREREQ: M 204.

M 206 CALCULUS AND ANALYTIC GEOMETRY (4-0-4)(Area III). Three dimensional analytic geometry and introduction to vector algebra and calculus of vector valued functions. Partial differentiation and multiple integration. PREREQ: M 205.

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

M 212 ACCELERATED CALCULUS (5-0-5)(S) (Area III). Solid analytic geometry, vectors and vector functions, partial derivatives, multiple integration, series, introduction to differential equations. PREREQ: M 211.

M 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2). Intermediate FORTRAN. See PH 225. Credit cannot be obtained for both PH 225 and M 225.

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, and fields. PREREQ: M 206 or 212.

M 306 NUMBER THEORY (3-0-3). Primes, congruences, Diophantine equations, residues, quadratic reciprocity, and 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, axiomatics, sequences, foundations of calculus, structure of the real numbers. PREREQ: M 206 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, and the Divergence Theorem. PREREQ: M 206 or 212.

M 331 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 CS 122 or EN-104.

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: combinatorics 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 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, and 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, and 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 spaces, 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, and Galois groups. PREREQ: M 301, 302.

M 456G LINEAR PROGRAMMING (4-0-4). Simplex algorithm, two-phase method, simplex algorithm for problems with bounded variables, duality theory, postoptimality analysis, and transportation and assignment 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 CS 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)

Pavilion, Room 2025

Telephone (208) 385-3500

Cadre: *Chairman and Professor:* Major (P) Earl Steck; *Assistant Professors:* Anderson, Hillan, Koehler; *Instructors:* Harlow, Oiterong.

Department Statement

The Reserve Officers' Training Corps (ROTC) 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. In addition, the Senior Division provides a major source of procurement for officers in the Regular Army. That procurement is accomplished through the selection of distinguished military graduates.

Scope of Instruction

General: The complete course of instruction leading to a commission as a Second Lieutenant comprises four years and one summer camp, or two years and two summer camps. Training in military leadership is emphasized. Instruction is given in subjects common to all branches of the Army with stress placed on the following: organization of the Army and ROTC; individual weapons and marksmanship; American military history; management; leadership; map and compass navigation and 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 military 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, or by summer campus courses. Veterans and some Reserve Component/National Guard personnel are given military credit for some of the basic course.

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

REQUIREMENTS FOR ARMY COMMISSIONS

Applicants for admission to the advanced course must (1) have satisfied the requirements of the basic course, successfully completed the six-week summer basic camp or have completed 90 contact hours, and must have a minimum of 26 semester hours; (2) be able to complete all requirements for commissioning prior to their 30th birthday; (3) successfully complete prescribed survey and general screening tests; (4) be selected by the president of Boise State University or any other institution to which they may thereafter be admitted; (5) execute an individual contract with the government in which they agree to complete the advanced course at Boise State University or any other institution at which they may thereafter be enrolled where such a course is given; (6) devote a minimum of five hours a week to the

military training prescribed by the Secretary of Army; (7) attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year; (8) enlist in a reserve component (this enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student); (9) agree to accept a commission if tendered; (10) serve on active duty as an officer for three years or three months as determined by the Department of the Army. Guaranteed Reserve Forces assignments are now available for those who do not want to compete for the active duty assignments. The GRF assignment allows officers 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 the 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 Topics; Conditioning Procedures

FA 297 Special Topics; Orienteering

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

Financial Assistance: Each advanced course student receives an allowance of \$100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, and medical and dental attention is paid as follows: Basic camp, \$580 (approximately); regular camp \$645 (approximately); travel pay, 18½ cents per mile each way. A uniform allowance of \$300 is paid to each commissioned student upon entry into active duty.

Uniforms: Basic and advanced course students will be provided uniforms, texts, and equipment for ROTC classes. All such items of clothing and equipment are the property of the U.S. Government and are provided solely for the purpose of furthering the military training of the student concerned. Students are responsible for the safekeeping, care, and return of the property issued to them.

Course offerings

ML MILITARY SCIENCE

Lower Division

ML 101 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an overview of ROTC to include the purpose and history of ROTC, the organization of the U.S. Army, Army Reserve and the National Guard, and a discussion of military customs and traditions. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an introduction to Geopolitics, ethics, code of conduct, war strategy and tactics. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 201 INTRODUCTION TO LEADERSHIP (2-1-2). Prepares the student for

ROTC advanced course. An introduction to leadership and basic map reading/orienteering. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

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

Upper Division

MILITARY SCIENCE INTERNSHIP (V-V-6). Provides the student with the opportunity to apply the skills they have learned. Is completed at the 6 weeks of ROTC Adventure Leadership Camp at Fort Lewis Washington. **Note:** This is required by all contracted students and is usually required between MS III and MS IV years.

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

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

ML 401 ADVANCED TACTICS (3-1-3). Prepares the prospective Army officer for initial Army assignment. Covers military staff organization and responsibilities; military intelligence; logistics; maintenance and supply; and an introduction to military justice. Students apply principles of leadership by planning and executing laboratory training.

ML 402 PROFESSIONAL PREPARATION (3-1-3). Includes a discussion of ethics and human relations, counseling techniques, military service in today's society; obligations and responsibilities of an officer on active duty; and coordination and operation of the military team. Students receive thorough leadership assessment and are responsible for planning and executing laboratory training.



Department of Music

Morrison Center, Room C-100

Telephone (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, Belfy, Samball, Schroeder, Thomason.

Majors offered

Music
Music, Secondary Education

Department statement

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

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

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

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 artist teachers, and composers, this program is basic to prepare students for graduate work in the performing, creative, and college or university teaching fields.
 - b. Major emphasis in Music Education: designed to prepare students for music teaching careers in the secondary and elementary educational systems and also prepares students for graduate work in Music.
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.

Degree requirements

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, totalling a minimum of eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits. Guitar majors may 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 credits).

Materials of Music MU 119 thru 220 and Ear Training MU 121 thru 222	18
Basic conducting MU 261	1
Survey of Music History and Literature I, II, III, IV - MU 341, 342, 343, 344	10
Ensemble (see 1c above)	6-8
Total	35-37

2. Emphasis Requirements
 - a. Performance Emphasis Minimum Requirements:
 - b. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I)
 - c. Music Requirements
 - (1) Music Core
 - (2) Performance Studies

All Performance majors will take 2 credits of Performance Studies the first semester, freshman year, and perform a 4 credit jury prior to enrolling in 4 credit Performance Studies second semester. MC 400 Level Studies: 8 credits minimum.

 - d. Additional Upper Division Courses
 - e. Electives

* Not required of Piano, Voice or Guitar majors.
 ** Required only of Piano, Voice or Guitar majors.

3. Theory-Composition Emphasis Minimum Requirements
 - a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I)
 - b. Music Requirements:
 - (1) Music Core
 - (2) Lower Division Performance Studies
 - (3) Additional Upper Division Courses
 - c. Electives
4. Music Education Emphasis Minimum Requirements
 - a. General University and Basic Core Requirements for Bachelor of Music Degree (including 6 credits of Music History in Area I)
 - b. Music Requirements:
 - (1) Music Core
 - (2) Major Instrument Performance Studies
 - (3) Additional Lower Division Courses
 - (4) Additional Upper Division Courses
 - (5) Education College Requirements

Education Psychology P 3253
 Foundations of Education TE 201 (Area II)3
 Secondary School Methods TE 3813
 Educating Exceptional Second Stu TE 3331
 Secondary Student Teaching TE 482 or
 483 TE 484, 4858-12
 Reading in Content Subjects TE 3073
 c. Electives9-14
 Recommended Music Electives:
 Functional Piano MU 2132
 Teaching Music in the Elementary Classroom MU 372
 (to qualify students for Idaho State Certification for
 Elementary School Music Specialist)2
 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.

128

BACHELOR OF ARTS PROGRAM

General Music Major Option

- a. General University and Basic Core Requirements for the Bachelor
 of Arts Degree.
 b. Minimum Music Requirements:
 Performance Studies8
 Materials of Music I-IV MU 119, 120, 219, 22014
 Ear Training I-IV MU 121, 122, 221, 2224
 Survey of Music History and Literature Courses (2 to be chosen
 from MU 341, MU 342, 343, 344)4-6
 Ensemble4
 Concert Class MA 010 each semester0
 Performance, Theory, Music Education, Music History
 Electives (to support Senior Recital* or Senior Project**)10
 Senior Recital* or Senior Project*1
 45-47

*See MA 444 course description for details of the Senior Recital

**An independent study terminal project under faculty supervision with the approval of the
 Dept. Chairman in the area of Music Theory, Music History, Literature or Music Education.

Music/Business Option

- 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 Communication3
 2) Area III: At least one course in Mathematics selected from
 the following:
 M 100 Cultural Approach to Math, or4
 M 105,106 Math for Business Decisions4-8
 3) Minimum Music Requirements45
 MA 010 Concert Class (each semester)0
 MC—Performance Studies8
 ME—Ensemble4
 MU 119-120 Materials of Music I-II8
 MU 341, 342, 343, 344 History & Lit of Music10
 *Senior Project3
 Music Electives (upper division)10
 4) Business courses (a maximum of 33 credits in Business
 courses allowed in this option) (24-33)
 5) Required Courses:
 GB 101 Introduction to Business3
 MM 101 Salesmanship**3
 MM 105 Elements of Management*3
 MM 203 Principles of Advertising3
 AC 205 Introduction to Financial Accounting3
 AC 206 Introduction to Managerial Accounting3
 GB 202 Business Law3
 IS 210 Introduction to Information Sciences3
 6) Additional courses-electives (up to 9 credits may be chosen
 from the following):
 EC 201 Principles of Economics-Macro3
 EC 202 Principles of Economics-Micro3
 AS 309 Records Preparation and Management*3
 AS 317 Office Management*3
 MK 301 Principles of Marketing*3
 MK 307 Consumer Behavior*3

*An independent Study terminal project under faculty supervision with the approval of the
 Music Dept. Chairman.

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

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 Perform-
 ance, 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.

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

Recommended programs

PERFORMANCE EMPHASIS MAJORS:

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102.....	3	3
Area II Courses	3	3
Concert Class MA 010	0	0
Materials of Music I, II MU 119-120	4	4
Ear Training I, II MU 121-122.....	1	1
Performance Major MC 1-2, 1-4	2	4
Major Ensemble ME 1--	1	1
	14	16
SOPHOMORE YEAR		
Area I Literature.....	3	-
Area II course.....	-	3
Concert Class MA 010	0	0
Materials of Music III, IV MU 219-220	3	3
Ear Training III, IV MU 221-222.....	1	1
Major Ensemble ME 1--	1	1
Basic Conducting MU 261	1	-
Performance Major MC 2-4	4	4
Electives.....	4	4
	17	16

JUNIOR YEAR

Foreign Language	4	4
Concert Class MA 010	0	0
Music History I, II MU 341,342	2	2
Keyboard Harmony* MU 313-314 &/or Elective**.....	2	5
Counterpoint MU 423 or 424	3	-
Performance Major MC 3-4	4	4
	16	16

SENIOR YEAR

Music History III, IV MU 343, 344	3	3
Concert Class MA 010	0	0
Counterpoint MU 423 or 424	3	0
Advanced Form and Analysis	-	3
Major Ensemble# ME 3--	1	1
Inst or Choral Conducting+ MU 365 or 366... ..	1or	1
Performance Major MC 4-4	4	4
Senior Recital MA 446	2 or	2
Keyboard Harmony* MU 313-314 & or Elective.		
	17	17

*Keyboard Harmony is offered alternate years only. See course description.

**Piano, Voice or Guitar majors must include major instrument literature. MU 457 and Pedag-
 ogy MU 463-464.

#Piano majors must include 2 credits of Accompanying ME 180, 380. Guitar majors must
 include 2 credits of Guitar Ensemble ME 167,367.

+Not required of Piano, Voice or Guitar majors.

THEORY COMPOSITION MAJORS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102.....	3	3
Area II Courses	3	3
Concert Class, MA 010	0	0
Materials of Music I, II MU 119-120	4	4
Ear Training I, II MU 121-122.....	1	1

College of Arts and Sciences

Major Ensemble ME 1--	1	1
Major & Minor Performance Studies MC 2-2	4	4
	17	17

SOPHOMORE YEAR

Area I Literature	3	-
Area II Course and elective	3	3
Electives	-	3
Concert Class MA 010	0	0
Materials of Music III,IV, MU 219-220	3	3
Ear Training III, IV MU 221-222	1	1
Music History I, II MU 341,342	2	2
Major Ensemble ME 1	1	1
Major and Minor Performance Studies MC 2-2	4	4
	17	17

JUNIOR YEAR

Concert Class MA 010	0	0
Music Composition MA 410	2	2
Major Performance Studies MC 3-2	2	2
Major Ensemble ME 3	1	1
Band Arranging MU 455	2	-
Counterpoint MU 423 or 424	3	-
Basic Conducting MU 261	1	-
Advanced Form and Analysis MU 410	-	1
Music History III, IV MU 343,344	3	3
Keyboard Harmony* MU 313-314 &or Electives.		
	18	16

SENIOR YEAR

Foreign Language	4	4
Concert Class MA 010	0	0
Music Composition MA 410	2	2
Counterpoint MU 423 or 424	3	-
Major Ensemble ME 3--	1	1
Choral Conducting MU 365	1	-
Instrumental Conducting MU 366	-	1
Keyboard Harmony* MU 313-314 &or Elective.		
Composition Recital MA 447	-	2
	15	13

*Keyboard Harmony is offered alternate years only. See course Descriptions.

MUSIC EDUCATION EMPHASIS MAJORS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Area II Courses including Psychol P 101 and History	3	3
Electives	3	3
Concert Class MA 010	0	0
Materials of Music I, II MU 119-120	4	4
Ear Training I, II MU 121-122	1	1
Major Ensemble ME 1--	1	1
Performance Studies MC 1-2	2	2
	17	17
SOPHOMORE YEAR		
Area I Literature	3	-
Foundations of Education TE 201(Area II)	-	3
Concert Class MA 010	0	0
Materials of Music III, IV MU 210-220	3	3
Ear Training III, IV MU 221-222	1	1
Inst. Tech. & Meth. MU 257, 266	2	2
Orientation to Music Educ. MU 271	1	-
Functional Piano MU 213 (elective)	2	-
Vocal Techniques MU 256	-	2
Music History I, II MU 341-342	2	2
Major Ensemble ME 1--	1	1
Performance Studies MC 2-2	2	2
	17	16
JUNIOR YEAR		
Foreign Language or Area III	4	4
Concert Class MA 010	0	0

Inst. Tech & Meth. MU 368, 369	2	2
Band and Orch. Meth. MU 387	2	-
Choral Methods MU 385	-	2
Basic Conducting MU 261	1	-
Inst. Conducting MU 366	-	1
Music History III, IV MU 343, 344	3	3
Major Ensemble ME 3--	1	1
Performance Studies MC 3-2	2	2
Electives	2	1
	17	16

SENIOR YEAR

Educational Psychology P 325	3	-
Secondary School Methods TE 381	3	-
Concert Class MA 010	0	-
Performance Studies MC 3-2	2	-
Senior Recital MA 444	1	-
Major Ensemble ME 3--	1	-
Band Arranging MU 455	2	-
Elementary Music Meth MU 372 (elective)	2	-
Choral Conducting MU 365	1	-
Exceptional Educ Meth. TE 333	-	1
Student Teaching TE 484, 485 OR TE 482, 483	-	8-12
	15	9-13

Course offerings

MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

Lower Division

MA 010 CONCERT CLASS (0-1-0)(F/S). Student, guest and/or faculty performances. Minimum attendances per semester: 10 for music majors, 6 for minors; plus attendance at a minimum of 5 Music Department sponsored concerts/recitals. Participation in the concert/recital does not equal attendance for meeting this requirement.

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

MA 127 BEGINNING GUITAR CLASS (0-2-1)(F/S). Technical fundamentals in playing the acoustical guitar for beginners. Use of popular and folk songs. Course is based on written notation and aural instruction, stressing chord playing, correct posture and holding positions. Students must provide their own instrument. May be repeated once for credit.

MA 128 INTERMEDIATE GUITAR CLASS (0-2-1)(F/S). Continuation of MA 127. Emphasis on understanding fret-board theory, reading music notation for guitar, solo playing. Concept of form levels as it relates to upper position work. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 127 or PERM/INST.

MA 150 PIANO CLASS (0-1-1)(F/S). Each semester. Maximum 2 credits allowed.

MA 180 VOICE CLASS (0-1-1)(F/S). Each semester. Maximum 2 credits allowed.

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

Upper Division

MA 327 ADVANCED GUITAR CLASS (0-3-2)(F/S). Study of music and technical problems in solo guitar playing; chord construction and progression, analysis of intervals, functional harmonic relationships, principals of guitar transcriptions, introduction of improvisation. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

MA 328 JAZZ GUITAR CLASS (0-2-1)(F/S). A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in jazz is approached within a historical perspective beginning with the 1930's. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

MA 410 MUSIC COMPOSITION (2-0-2)(F/S). Instruction and supervised experience in composing for various instruments and voices, individually and in combination, utilizing small and large musical forms. May be repeated for a total of 8 credits. PREREQ: PERM/INST.

MA 444 MUSIC EDUCATION—BACHELOR OF ARTS SENIOR RECITAL (0-V-1). This course is a one-half recital to be presented as the culminating performance project for music education majors and for bachelor of arts music majors emphasizing performance. PREREQ: 300-level performance ability and PERM/INST. Graded pass/fail.

MA 445 RECITAL (0-V-2). Music Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. PERM/INST/CHMN.

MA 446 SENIOR PERFORMANCE RECITAL (0-V-2). This course is a full recital to be presented as the culminating project for performance emphasis majors within the Bachelor of Music program. PREREQ: 400-level performance ability and PERM/INST. Graded pass/fail.

MA 447 SENIOR COMPOSITION RECITAL (0-V-2). A recital for the performance of original compositions by the Theory-Composition major. Students must make their own arrangements with personnel required for the recital. Required of Theory-Composition majors PREREQ: Major in Theory-Composition and PERM/INST. Graded pass/fail.

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES

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

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

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

Private Lesson Performance Studies Course Numbering System: The three-digit course number carries the following information: first digit (1—, 2—, etc.) = performance level; second digit = instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments); third digit (-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.

MC 102, 104, 202, 204, 302, 304, 402, 404 WOODWIND INSTRUMENTS Private lessons. 112, 114, 212, 214, 312, 314, 412, 414 BRASS INSTRUMENTS private lessons.

MC 122, 124, 222, 224, 322, 324, 422, 424 PERCUSSION INSTRUMENTS private lessons.

MC 132, 134, 232, 234, 332, 334, 432, 434 VOICE private lessons.

MC 142, 144, 242, 244, 342, 344, 442, 444 KEYBOARD INSTRUMENTS private lessons.

MC 152, 154, 252, 254, 352, 354, 452, 454 FRETTED STRING INSTRUMENTS private lessons.

MC 162, 164, 262, 264, 362, 364, 462, 464 BOWED STRING INSTRUMENTS private lessons.

Course numbers ending in 2: (2-5-2)(F/S).

Course numbers ending in 4: (0-1-4)(F/S).

ME MUSIC, ENSEMBLE

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

Lower Division and Upper Division

ME 101, 301 UNIVERSITY SINGERS (0-2-1)(F/S). 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.

ME 105, 305 MEISTERSINGERS (0-5-1)(F/S). Essentially a course in unaccompanied singing, open to all university students. The Meistersingers is the concert-touring choir of the University. Maximum credits: ME 105 and/or 305 8 CR. PREREQ: Enrollment is by audition and Music Department approval.

ME 110, 310 VOCAL ENSEMBLE (0-2-1)(F/S). 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 ME 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)(F/S). An elective open to all students who can play a band instrument. Maximum credits: ME 120, and/or ME 310, 8 CR.

ME 125, 325 BRASS ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge for small brass ensembles. A public performance is required each semester. Maximum credits: ME 125, and/or ME 325, 8 CR. PREREQ: PERM/INST.

ME 126, 326 JAZZ ENSEMBLE (0-3-1)(F/S). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of dixieland, be-bop, swing, rock and contemporary jazz. Class 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)(F/S). 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 ME 330, 8 CR.

ME 140-340 PERCUSSION ENSEMBLE (0-2-1)(F/S). 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)(F/S). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble. Maximum credits: ME 141 and/or 341, 8 credits.

ME 150, 350 ORCHESTRA (0-5-1)(F/S). 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 ENSEMBLE (0-2-1)(F/S). 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 167, 367 GUITAR ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). Maximum credits: ME 167 and/or ME 367, 8 CR. PREREQ: PERM/INST.

ME 180, 380 ACCOMPANYING (0-2-1)(F/S). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. Maximum credits: ME 180 and/or 380, 8 CR.

ME 185, 385 DUO-PIANO ENSEMBLE (0-2-1)(F/S). A basic survey of duo-piano literature from the Baroque to the present. Students will learn how to cope with ensemble problems in rehearsal and performance. Class sessions will consist of performance, listening and discussion. A public performance will be presented. Maximum credits: ME 185 and/or 385, 8 CR. PREREQ: PERM/INST.

MU MUSIC, GENERAL

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

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

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

College of Arts and Sciences

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; cursory survey of binary; ternary and through-composed forms; aural and visual analysis; compositional skills; 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)(AREA I). An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. Emphasis is upon the enjoyment of music through the understanding of recorded and live performances. Attendance at six live concerts/recitals required.

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

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

MU 219 MATERIALS OF MUSIC III (3-0-3)(F). Continuation of 4-part textures. Diatonic sevenths; introduction to altered chords, augmented sixth and neapolitan chords; cantus firmus techniques; remote modulations; compositional skills involving the above. PREREQ: MU 120 or equivalent and piano per MU 119.

MU 220 MATERIALS OF MUSIC IV (3-0-3)(S). Includes introduction to invention and fugue techniques and sonata form; eleventh and thirteenth chords; twentieth century melody and harmony; atonality and serial techniques. Compositional skills involving the above. PREREQ: MU 219 or equivalent and piano per MU 119.

MU 221-222 EAR TRAINING III-IV (0-2-1)(F/S). Continuation of ear training I-II: solfeggio, dictation of more advanced rhythms, 2, 3 and 4-parts. Student 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 piano study or concurrent enrollment in piano study.

MU 256 VOCAL TECHNIQUES AND METHODS (1-2-2)(S). Designed for the music education major, this course deals with teaching skills to help develop the vocal potentials of young students, describing basic physical components of the voice and their coordination, understanding the young and "changing" voice, and learning phonetic components of Latin, Italian, and German.

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

MU 261 BASIC CONDUCTING (0-2-1)(F/S). Fundamental techniques of conducting: baton fundamentals, group rehearsal techniques, and simple score reading.

MU 266 WOODWIND TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.

MU 271 ORIENTATION TO MUSIC EDUCATION (1-1-1)(F/S). A look at school music programs to include all levels: primary through secondary programs. Lab period devoted to visitation in public schools.

Upper Division

MU 313-314 KEYBOARD HARMONY AND BASIC IMPROVISATION (2-0-2)(F/S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. PREREQ: MU 120-122 and 1-2 years piano study.

MU 331 AMERICAN MUSICAL THEATRE (3-0-3)(F). An historical overview will be presented along with a look at behind-the-scenes work necessary in the presentation of musical theatre productions. Includes an in-depth look at all the responsibilities of the entire production crew, from promotion and box office to stage crews, and from make-up crews to cast.

MU 332 MUSICAL THEATRE PRODUCTIONS (0-10-4)(S). Specific apprenticeships in the operations of actual musical theatre productions will be given to gain experience in the practical application of knowledge learned in MU 331. Graded pass/fail. May be repeated two times for credit. PREREQ: MU 331, PERM/INST.

MU 341 HISTORY AND LITERATURE OF MUSIC I (2-0-2)(F/S)(Area I). The analysis of the development of Western music from its beginnings in early Christian

times through the early 1600's. Consideration of music from these periods as artistic entities, their relationships to their contemporary societies, and as foundations for subsequent expression. PREREQ: MU 119 and 120 or PERM/INST.

MU 342 HISTORY AND LITERATURE OF MUSIC II (2-0-2)(F/S)(Area I). Encompasses the period from the Florentine Camerata through the high Baroque, the Rococo, and pre-classic composers. Attention to the evolution of musical forms through score reading, analysis, and discussion. PREREQ: MU 119 and 120, or PERM/INST.

MU 343 HISTORY AND LITERATURE OF MUSIC III (3-0-3)(F/S)(Area I). Works of Haydn, Mozart, and their contemporaries through the Romantic period to Liszt, Wagner, and Puccini will be considered and analyzed as vehicles of individual expression and as steps to greater varieties of musical expression. Their relationship to works in parallel movements in literature and other arts will be considered. PREREQ: MU 119 and 120 or PERM/INST.

MU 344 HISTORY AND LITERATURE OF MUSIC IV (3-0-3)(Area I). Analysis of styles and characteristics of Western music from the last decades of the previous century to today's avant garde and electronic music. PREREQ: MU 119 and 120 or PERM/INST.

MU 365 CHORAL CONDUCTING (0-2-1)(F). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. PREREQ: MU 261 or PERM/INST.

MU 366 INSTRUMENTAL CONDUCTING (0-2-1)(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 261.

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

MU 369 BRASS TECHNIQUES AND METHODS (1-2-2)(F/S). Primarily for music education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments.

MU 370 GUITAR FOR CLASSROOM TEACHERS (2-0-2)(F/S). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on accompaniment skills, elementary chord theory, melody playing, proper hand position and notereading. Musical material is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit.

MU 371 MUSIC METHODS FOR THE ELEMENTARY SCHOOL TEACHER (2-0-2). Materials, methods and problems relating to classroom music in grades K through six. PREREQ: Music Fundamentals MU 101 or equivalent.

MU 372 TEACHING MUSIC IN THE ELEMENTARY CLASSROOM (2-1-2)(F). For music majors. Includes special methods, materials and teaching techniques for the elementary classroom music program. PREREQ: MU 271.

MU 385 CHORAL METHODS AND MATERIALS (1-2-2)(S). Designed for music education majors who will be teaching vocal groups in junior 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 387 BAND AND ORCHESTRA METHODS AND MATERIALS (1-2-2)(F). The study of the organization and administration of bands and orchestras at the secondary school level; including equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 410 ADVANCED FORM AND ANALYSIS (3-0-3)(S). Analysis of harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 220 or PERM/INST.

MU 423g 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. Analysis/listening of music of the period. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Odd numbered years.

MU 424g 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 455 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 220.

MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR)(2-0-2)(F/S). 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 463 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) I (2-0-2)(F). A survey and comparative study of pedagogical materials, principals and procedures. The course will consist of reading, lecture, listening and observation in teaching studios. **PREREQ:** Upper Division standing in performance. Alternate years with MU 457.

MU 464 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) II (2-0-2)(S). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening and discussion involving pedagogical techniques. **PREREQ:** MU 463 Pedagogy I. Alternate years with MU 457.

MU 498 MUSIC SEMINAR (2-0-2)(F/S). A seminar project under faculty direction. **PREREQ:** Senior standing.

Department of Physics, Engineering and Construction Management

Science-Nursing Building, Room 318 Telephone (208) 385-3775

Chairman and Professor of Physics: Robert A. Luke; *Professors:* Allen, Dahm, Luke, Newby, Parks, Reimann, Smith; *Associate Professors:* Affleck, Gabert Haefer; *Assistant Professors:* Dykstra, Mason.

Majors offered

- Construction Management
- Physics
- Physics, Secondary Education

Special Information for Students

Engineering curriculum

The engineering curriculum of the Department 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; the Boise State 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 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 Boise State followed by one and one-half years at the University of Idaho is available and students may consult an Engineering advisor about this program. The five-year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other Engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than the University of Idaho to complete their degree.

Degree Requirements

PHYSICS MAJOR Bachelor of Science Degree

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

Liberal Arts Option

1. General University and BA Degree Requirements.....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
- Electronics Lab PH 301.....4
- 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.....33
- 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

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

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 Prog. Course, such as EN 104 or M 122.....2
 - c. Math.....16
 - 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.....25-30
 - Foundations of Education
 - Secondary School Methods
 - Secondary School Teaching
 - Educational Psychology
 - Education Electives

Recommended programs

ENGINEERING MAJOR

	1st SEM	2nd SEM
--	---------	---------

COMMON FRESHMAN YEAR

(All Engineering Majors)

English Composition E 101-102.....	3	3
College Chemistry C 131-132-111.....	4	3
Calculus & Analytic Geometry M 204-205.....	5	4
Engineering Fundamentals & Computer Programming EN 107.....	3	-
Engineering Graphics EN 108.....	-	2
Physics PH 220.....	-	2
Physical Education.....	1	1
	16	16

COMMON SOPHOMORE YEAR

Physics II, III PH 221-222.....	3	3
Wave Motion & Heat Lab PH 223.....	-	1
Electricity & Magnetism Lab PH 224.....	1	-
*Humanistic-Social Elective.....	3	3
Introduction to Mechanics EN 205.....	3	-
**Systems & Circuits I, II EN 221, 223.....	3	4

College of Arts and Sciences

Calculus & Analytic Geometry M 206	4	-
Differential Equations M 331	-	3
Branch Variation see below	-	2-3
	17	16-17

*During first semester, Chemical Engineers substitute C 317, Civil Engineers substitute EN 215.
 **Civil Engineers not required to take EN 223.

BRANCH VARIATION

Agricultural Engineering		
Dynamics of Rigid Bodies EN 206	2	
Civil Engineering		
Dynamics of Rigid Bodies EN 206	2	
Engineering Measurements EN 216	2	
Elective (see Advisor)	3	
	7	
Mechanical Engineering		
Dynamics of Rigid Bodies EN 206	2	
Chemical Engineering		
Organic Chemistry C 318	3	
Principles of Economics EC 201	3	
	6	
Electrical Engineering		
Engineering Science Elective	3	

JUNIOR YEAR

Three junior level Engineering Science courses (EN 301, Fluid Mechanics; EN 306, Mechanics of Materials; and EN 320 Thermodynamics and Heat Transfer) are offered. These courses, along with usual Engineering requirements in Mathematics, Science, Humanities, and Social Sciences, make it feasible for many students to complete a third year before transferring. Consult an Engineering staff advisor for details.

CONSTRUCTION MANAGEMENT PROGRAM Bachelor of Science Degree

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.

	1st SEM	2nd SEM
FRESHMAN		
English Composition E 101-102	3	3
Algebra and Trig M 111	5	-
Engineering Graphics EN 108	2	-
Elective (Area II Social Sci)	3	-
Elective (Area I, Arts & Humanities)	3	3
Calculus and Analytical Geometry M 204	-	5
Engineering Fund and Comp Prog EN 107	-	3
Intro to Management of Construction CO 240	-	3
	16	17
SOPHOMORE		
General Physics PH 101-102	4	4
Basic Surveying EN 215	2	-
Intro to Financial Accounting AC 205	3	-
Construction Blue Print Commun CO 235	2	-
Materials & Methods of Architecture AR 290	3	-
The Legal Environment of Business GB 202	3	-
Stat Tech for Decision Making DS 207	-	3
Intro to Managerial Accounting AC 206	-	3
Contracts and Specifications CO 246	-	3
Intro to Mechanics EN 205	-	3
	17	16
JUNIOR		
Construction Equipment & Methods CO 320	3	-
Mechanics of Materials EN 306	3	-
Labor Law MG 330	3	-

Mechanical Installations CO 351	3	-
Principles of Economics-Macro EC 201	3	-
Principles of Economics-Micro EC 202	3	-
Technical Writing E 202	-	3
Cost Accounting AC 351	-	3
Cost Estimating and Bidding CO 370	-	3
Soil Mechanics and Foundation Const CO 330	-	3
Principles of Finance FI 303	-	3
Electrical Installations CO 352	-	3
	18	18

SENIOR

Construct Operations & Improve CO 374	3	-
Concrete & Formwork Construction CO 410	3	-
Fundamentals of Speech Commun CM 111	3	-
Labor Relations MG 340	3	-
Electives (Area I, Arts & Humanities)	3	3
Project Scheduling & Control CO 417	-	3
Organizational Behavior MG 401	-	3
Electives	-	2
	15	11

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 upperdivision (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 MAJOR Bachelor of Science Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Calculus & Analytic Geometry M 204, 205	5	4
Digital Computer Programming EN 104 Or 107	-	2-3
Physics PH 220	-	3
Area I or II Requirements	3	-
	15	17
SOPHOMORE YEAR		
Physics II, III PH 221, 222	3	3
Wave Motion & Heat Lab PH 223	-	1
Electricity & Magnetism Lab PH 224	1	-
Systems & Circuits I, II EN 221, 223	3	4
Calculus & Analytic Geometry M 206	4	-
Differential Equations Math M 331	-	4
Applied Programming PH 225	-	2
Area I or II Requirements	3	3
Area I or II Requirement	3	-
	17	17
JUNIOR YEAR		
Modern Physics PH 311, 312	3	3
Electronics Lab PH 301	4	-
Transducers PH 304	-	2
Lab Microprocessor Applications PH 307	-	3
Thermodynamics EN 320	3	-
Optics PH 331	4	-
Numerical Analysis M 340	-	4
Area I or II Requirements	3	3
	17	15
SENIOR YEAR		
Electricity & Magnetism PH 381, 382	3	3
Mechanics PH 341	4	-
Senior Lab PH 481	3	-
Advanced Topics PH 422	-	3
Electives	3	4

Area I or II Requirement	3	3
Physics Seminar PH 499	-	1
	16	14

Course offerings

CO CONSTRUCTION MANAGEMENT

Lower Division

CO 235 CONSTRUCTION BLUE PRINT COMMUNICATIONS (2-0-2)(F). The transmission and interpretation of blueprint 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)(S). 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 246 CONTRACTS AND SPECIFICATIONS (3-0-3)(S). Contracts, contract documents and specifications for construction including legal as well as technical implications, claims, change orders and contract administration, emphasizing Owner-Engineer/Architect-Contractor functions and related problems. Monday field trips required. PREREQ: GB 202.

Upper Division

CO 320 CONSTRUCTION EQUIPMENT & METHODS (3-0-3)(F). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment. Monday field trips required. PREREQ: EN 205.

CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)(S). 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)(F). The fundamentals of mechanical installations and associated construction problems including heat loss and gain, heating, ventilating and air-conditioning, fluid flow in pipes and ditches as well as water supply, sewage, and fire protection installations. Monday field trips required. PREREQ: PH 102 and EN 205.

CO 352 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (3-0-3)(S). 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 370 COST ESTIMATING AND BIDDING (3-0-3)(S). Extracting quantities from drawings, compiling and pricing estimates, preparation of bids. Monday field trips required. PREREQ: CO 235.

CO 374 CONSTRUCTION OPERATIONS AND IMPROVEMENTS (3-0-3)(F). 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 410 CONCRETE AND FORMWORK CONSTRUCTION (3-0-3)(F). Design and methods of formwork construction. Study of the properties of concrete, methods of mixing, placing, curing and finishing. Monday field trips required. PREREQ: EN 306.

CO 417 PROJECT SCHEDULING AND CONTROL (3-0-3)(S). Critical path method (CPM) as a construction planning, scheduling and management technique. Monday field trips required. PREREQ: EN 107 and CO 374.

EN ENGINEERING

Lower Division

EN 100 ENERGY FOR SOCIETY (3-2-4)(F)(Area III). A general interest course having no prerequisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy, environmental, social, and political problems. Alternative as well as conventional energy solutions will be studied.

EN 101 TECHNICAL DRAWING (2-2-2). A basic course in technical drawing covering lettering, the use of drawing instruments, geometry, orthographic projections, sectioning, dimensioning, pictorial drawing and other drafting problems.

EN 104 (M 124) DIGITAL COMPUTER PROGRAMMING (2-0-2). Course for science or math majors to introduce FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and sub-programs, all applied to problem solving. Should have Mathematics background equal to or exceeding one of prerequisites. PREREQ: M 106 or 111 or 108.

EN 107 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(F/S). 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 108 ENGINEERING GRAPHICS (2-2-2)(F/S). Engineering graphical analysis and graphic transmission of information.

EN 205 INTRODUCTION TO MECHANICS (3-0-3). Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysis. Kinetics of particles including 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 pertains to rigid bodies undergoing rotary and general plane motion. PREREQ: EN 205.

EN 215 BASIC SURVEYING (1-3-2)(F). A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry, construction management, 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 216 ENGINEERING MEASUREMENTS (1-3-2)(S). Advanced topics in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurements. PREREQ: EN 215.

EN 221 SYSTEMS AND CIRCUITS (3-0-3)(F). The fundamental course in electrical engineering which provides an introduction to 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 frequency, 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)(F). 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 382 ENGINEERING ECONOMY (2-0-2). Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, 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 501 BASIC PHYSICAL SCIENCE FOR SCIENCE 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. Concepts will be discussed and demonstrated with emphasis on methods that can be used in the classroom. 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). (F/S) (Area III). Mechanics, sound, heat, light, magnetism, an electricity. This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula, and may be taken by forestry, pre-dental and pre-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, cineradiography, video tape systems, stereoradiography, body section radiography, therapeutic radiology, nuclear medicine and ultrasound. PREREQ: PH 103.

PH 105 INTRODUCTION TO DESCRIPTIVE ASTRONOMY (3-2-4) (F/S)(Area III). A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for non-Science majors.

PH 109 (M 109) INTRODUCTION TO COMPUTERS (3-2-4). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-Science majors.

PH 207 INTRODUCTION TO BIOPHYSICS (3-3-4) (S). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. PREREQ: M 111 or M 108.

PH 220 PHYSICS I - MECHANICS (3-1-3)(F/S)(Area III). Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. PREREQ: M 204. Must be concurrently taking or have taken M 205.

PH 221 PHYSICS II - WAVE MOTION AND HEAT (3-1-3) (F/S) (Area III). Wave motion, acoustical phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the First and Second Laws of Thermodynamics. PREREQ: PH 220. COREQ: PH 223.

PH 222 PHYSICS III - ELECTRICITY AND MAGNETISM (3-1-3)(F/S)(Area III). Coulomb's Law, electric fields, electric potential, magnetic fields, magnetic induction and simple circuits. PREREQ: PH 220. COREQ: PH 224.

PH 223 WAVE MOTION AND HEAT LAB (0-3-1)(F/S)(Area III). A lab designed to be taken concurrently with PH 221. Basic experiments in mechanics, wave motion, sound, optics and heat. PREREQ: PH F220. COREQ: PH 221.

PH 224 (EN 224) ELECTRICITY AND MAGNETISM LAB (0-3-1)(F/S)(Area III). A lab designed to be taken concurrently with PH 222. Basic experiments in electricity, simple circuit analysis and instrumentation. PREREQ: PH 220. COREQ: PH 222.

PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2)(S). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on language and programming topics useful in the solution of science and engineering problems. Concentration will be on FORTRAN, but other programming languages will also be used. PREREQ: EN 104 or EN 107. COREQ: M 205 or M 106. Credit cannot be obtained from both PH 225 and M 225.

Upper Division

PH 301 ANALOG ELECTRONICS LAB (2-6-4)(F). An introduction to some of the more common discrete semiconductor devices and analog integrated circuits and their uses in electronic circuits. Included are devices such as diodes, silicon control rectifiers, bipolar transistors, field effect transistors, operational amplifiers and their use in rectifier, amplifier and waveform circuits. PREREQ: PH 224, EN 223.

PH 304 TRANSDUCERS (1-3-2)(S). An introduction to some common devices used to convert energy forms into electrical signals. Included are photomultiplier tubes, photoconductive cells, photodiodes, phototransistors, linear variable differential transformers, thermocouples, thermistors, piezoelectric and piezoresistive elements. Signal conditioning for these devices will be covered. PREREQ: PH 301.

PH 307 LABORATORY MICROPROCESSOR APPLICATIONS (2-3-4)(F/S). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. PREREQ: PH 222 or EN 223 or PERM/INST.

PH 311-312 MODERN PHYSICS (3-0-3)(F-S). A brief introduction to the special relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic, molecular, nuclear, solid state physics and statistical mechanics. PREREQ: PH 221, 222, M 331.

PH 331 OPTICS (3-3-4)(F). An upper division course stressing the applied facets of optics such as the use of various optical components for analysis and measurements in the visible region of the electromagnetic spectrum. PREREQ: M 331 and PH 221.

PH 341 MECHANICS (4-0-4)(F). An upper division course which approaches classical mechanics with the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. PREREQ: M 321 and PH 220.

PH 381-382 ELECTRICITY AND MAGNETISM (3-0-3)(F-S). Electrostatic fields, potentials, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, vector potentials, Maxwell's equations, and electromagnetic radiation. PREREQ: PH 221, 222, M 331.

PH 422 ADVANCED TOPICS (3-0-3). Selected topics from the major fields of physics such as astrophysics, nuclear, solid state, solar applications, biophysics or medical physics. PREREQ: Upper Division standing and PERM/INST and possible specific courses depending on topic. Offered on demand.

PH 481 SENIOR LAB (1-6-3)(F). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. PREREQ: PH 312.

PH 482 SENIOR PROJECT (0-6-2)(S). 1 or 2 credits depending on the project. Elective. A sophisticated laboratory project in some area of physics. PREREQ: PH 481.

PH 499 PHYSICS SEMINAR (1-0-1)(S) Individual reports on selected topics. PREREQ: Senior status.

Department of Political Science & Philosophy

Administration Building, Room 218 Telephone (208) 385-1458

Chairman and Professor: Dr. Willard M. Overgaard; *Professors:* Brington, Donoghue, Moncrief, Raymond, Skillern; *Associate Professors:* Barton, Harbison, Kinney, Schoedinger; *Assistant Professor:* Sallie; *Special Lecturer:* Kuykendall.

Majors offered

Political Science
Political Science (Social Science), Secondary Education
Philosophy

Department statement

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.

Degree requirements

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. 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	3
Contemporary Political Ideologies PO 141	3
International Relations PO 231	3
Political Behavior PO 298	3
Senior Seminar (Scope & Meth of Polit Sci) PO 498	3

Lower Division Electives (Select one requisite to the appropriate area of emphasis):

State and Local Government PO 102	3
-----------------------------------	---

Public Policy PO 220 3
 Comparative European Govt & Politics PO 229 3

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

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 45

1) LOWER DIVISION 15

Lower Division Courses 15

American National Government PO 101 3
 Contemporary Political Ideologies PO 141 3
 Comparative European Govt & Politics PO 229 3
 International Relations PO 231 3
 Political Behavior PO 298 3

2) UPPER DIVISION 30

Upper Division Courses 30

American Political Theory PO 331 3
 Constitutional Law PO 351 3
 International Law PO 421 3
 Western Political Theory I PO 441 3
 Comparative Legal Systems PO 451 3
 Senior Seminar (Scope & Meth of Poli Sci) PO 498 3
 Political Science Electives 9

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 45

1) LOWER DIVISION 15

Lower Division Courses 15

American National Government PO 101 3
 State and Local Government PO 102 3
 Contemporary Political Ideologies PO 141 3
 International Relations PO 231 3
 Political Behavior PO 298 3

2) UPPER DIVISION 30

Upper Division courses 30

American Parties & Interest Groups PO 301 3
 Public Opinion & Voting Behavior PO 302 3
 American Chief Executive PO 309 3
 Legislative Behavior PO 312 3
 American Political Theory PO 331 3
 Constitutional Law PO 351 3
 Senior Seminar (Scope & Meth of Poli Sci) PO 498 3
 Political Science Electives 9

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 45

1) LOWER DIVISION 15

Lower Division Courses 15

American National Government PO 101 3
 Contemporary Political Ideologies PO 141 3
 Comparative European Govt & Politics PO 229 3
 International Relations PO 231 3
 Political Behavior PO 298 3

2) UPPER DIVISION 30

Upper Division Courses 30

Comparative Foreign Policy PO 311 3
 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

Political Science - Public Administration Emphasis

As an optional area of emphasis in Political Science, the course requirements are designed to provide a broad foundation in the discipline of Political Science with special concentration in the area of Public Administration. Special interdisciplinary course patterns can be arranged for students interested in such complementary areas as Public Administration and Economics, Public Administration and Sociology, Public Administration and Psychology, and Public Administration and Communication. Appropriate course selections for all students opting for the Public Administration area of emphasis should include electives in Computer Science, Psychology, Sociology, History, Economics, and Communication.

a. General University and Core Requirements
 Political Science Major Requirements 45

1) LOWER DIVISION 15

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 30

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

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 Secondary School, is required for all students with Social Science Secondary Education Option; certification requirement of 6 hours of U.S. History is applicable.

30 Credit Hour Program - 24 Credit Hours Required Courses:

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

College of Arts and Sciences

	OR	
American Chief Executive PO 309	OR	
Legislative Behavior PO 312		3
American Political Theory		
	OR	
Western Political Theory I or II, PO 441 or 442		3
Constitutional Law PO 351		3
Political Science Electives-Upper Division		6
		30
15 Credit Hour Emphasis - 12 Credit Hours Required Courses:		
American National Government PO 101		3
Contemporary Political Ideologies PO 141		3
Comparative European Govt & Politics PO 229		
	OR	
International Relations		3
American Parties & Interest Groups PO 301		
	OR	
Introduction to Public Administration PO 303		
	OR	
American Chief Executive PO 309		
	OR	
Constitutional Law PO 351		3
Upper Division Electives		3
		15
18 Credit Hour Emphasis (General) - 12 Credit Hours Required Courses (available to Secondary Education students who want a minor emphasis in Political Science but are not part of the 30-15-15 program).		
American National Government PO 101		3
Contemporary Political Ideologies PO 141		3
Comparative European Govt & Politics PO 229		3
International Relations PO 231		3
Upper Division Electives		6
		18

PHILOSOPHY MAJOR
Bachelor of Arts Degree

The program requirements for a major in Philosophy, in addition to the necessary requirements to obtain a Bachelor of Arts degree from Boise State, consist of 30 hours of Philosophy credit, 24 of which are in specifically required courses and 6 of which are electives from other courses in Philosophy. Philosophy majors should bear in mind that the university requires the completion of a total of 40 hours of upper division credit by all graduating seniors. The courses required for a major in Philosophy are:

- PY 101, Introduction to Philosophy
- PY 121, Introduction to Logic
- PY 211, Ethics
- PY 305, Ancient Philosophy
- PY 309, Modern Philosophy
- PY 313, Twentieth Century Analytic Philosophy
- PY 333, Metaphysics or
- PY 335, Epistemology
- PY 489, Senior Tutorial

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 constitutional 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 reapportionment.
- PO 141 CONTEMPORARY POLITICAL IDEOLOGIES (3-0-3)(F/S)(Area II):** Principal ideas characterizing liberalism, communism, 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 political culture, political interests, political power, and selected public policy issues. PREREQ: PO 101 or PERM/INST.

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

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 understanding of nature, functions, organization, and activities of political parties and interest groups within American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. 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 310 PUBLIC FINANCE (3-0-3)(S): Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy-making. (Interdepartmental course with department of economics). PREREQ: EC 201, 202.

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

PO 324 COMPARATIVE COMMUNIST PARTY-SYSTEMS (3-0-3)(F): Political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other communist party-states. 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/S): Political systems of selected nations in developing areas of the world, including nation-states 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/S): Development of diplomacy from foundation 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 351 CONSTITUTIONAL LAW (3-0-3)(S): Case study of constitutional system and its concepts as revealed in judicial decisions. PREREQ: PO 101.

PO 421 INTERNATIONAL LAW (3-0-3)(F): Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international affairs. PREREQ: PO 101, 231. Alternate years.

PO 422 INTERNATIONAL ORGANIZATION (3-0-3)(F/S): Historical background, the league; basic problems of international entities; the United Nations. PREREQ: PO 101, 231. Alternate years.

PO 441 PART I WESTERN POLITICAL THEORY (3-0-3)(F): Development of political philosophy from Socrates to Machiavelli. Alternate years.

PO 442 PART II WESTERN POLITICAL THEORY (3-0-3)(F): Development of political thought since Machiavelli. PREREQ: PO 441. Alternate years.

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3)(S): Principal legal systems of the world, with emphasis on ideational foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. PREREQ: PO 101, 141, 229. Alternate years.

PO 465G COMPARATIVE PUBLIC ADMINISTRATION (3-0-3)(F/S): Systematic examination and comparison of varied models and theories of administrative systems. International and intranational studies. 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/S). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303 or PERM/INST.

PO 469G INTERGOVERNMENTAL RELATIONS (3-0-3)(F/S). Interunit cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 101, 102, 303.

PO 487G ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3)(F/S). Socio-political analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.

PO 493 INTERNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for it should be made 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/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 in Anglo-American philosophy since 1900, with attention to selected figures such as Russell, Moore, Wittgenstein, and Austin. PREREQ: PY 101. Alternate years.

PY 315 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3)(S). An exploration of the nature of conscious experience and the place of dread and choice in human existence, with emphasis on selected figures in the tradition of European philosophy established by Kierkegaard and Husserl. PREREQ: PY 101. Alternate years.

PY 333 METAPHYSICS (3-0-3)(F). An investigation of basic problems about the nature of reality. Possible topics include personal identity, the nature of mind, freedom and determinism, and the problem of universals. PREREQ: PY 101.

PY 335 EPISTEMOLOGY (3-0-3)(S). An investigation of basic problems concerning knowledge and the justification of belief. Possible topics include attempts to define knowledge and related concepts, the problem of skepticism, and the problem of other minds. PREREQ: PY 101. Alternate years.

PY 337 AESTHETICS (3-0-3)(S). A course in the philosophy of the fine arts covering such topics as the existence and nature of works of art, aesthetic experience, artistic creativity, and the species of aesthetic value. Alternate years.

PY 404 SYMBOLIC LOGIC (3-0-3)(S). A study of techniques of validation in the propositional calculus and the predicate calculus, with emphasis on the construction of formal proofs. Some attention will be given to metalogical notions such as consistency of completeness. PREREQ: PY 121. Alternate years.

PY 406 PHILOSOPHY OF SCIENCE (3-0-3)(F). A study of philosophical issues raised by reflection on the nature of science and the results of scientific inquiry.

PREREQ: PY 101 or 121. alternate years.

PY 408 PHILOSOPHY OF LANGUAGE (3-0-3)(F/S). A study of basic concepts used by recent philosophers in thinking about language and its connections with thought and reality. Some attention may be given to discussions of language by traditional philosophers. PREREQ: PY 101 or 121.

PY 410 PHILOSOPHY OF MIND (3-0-3)(F/S). An examination of various solutions to the mind/body problem, the problem of other minds as well as related mental concepts. Problems of action theory may be explored. PREREQ: PY 101. Offered on demand.

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.

Department of Social Work

Education Building, Room 713

Telephone (208) 385-1568

Chairman and Associate Professor: Doug Yunker; *Professor:* Huff; *Associate Professors:* Johnson, Oliver, and Panitch.

Department statement

The Baccalaureate degree program in Social Work is fully accredited by the Council on Social Work Education. A major in Social Work prepares students for beginning social work practice and licensing by the State of Idaho.

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 designed to enrich the quality of life by enabling individuals, groups and communities to achieve their greatest potential development.

Majors offered

Social Work

Degree requirements

SOCIAL WORK MAJOR
Bachelor of Arts Degree

1. TOTAL Requirements	
General University and Major Requirements	128
2. LOWER DIVISION	
Lower Division Courses	63
English Composition E 101, 102	6
Literature (core)*	6
Humanities (core)	6
History (3 cr. from core)	6
Concepts of Biology B 100	4
Lab Science and/or Math (core)	8
Communication (core)	3
Economics (core)	3
Intro to Sociology SO 101	3
Social Problems SO 102	3

General Psychology P 101	3
State and Local Government PO 102	3
Intro to Social Work SW 101	3
Elementary Social Work Processes SW 201	3
Intro to Multi-Ethnic Studies SO 230	3
3. UPPER DIVISION	
Upper Division Courses	45
Social Welfare Policy SW 301	3
Human Behavior in Social Environment SW 321	3
Social Work Stat & Research Methods SW 380	3
Social Work Methods-Casework SW 385	3
Social Work Methods-Community Organization SW 430	3
Social Work Methods-Groupwork SW 435	3
Psychology Electives	6
Field Work SW 480, 481	10
Social Sciences & Public Affairs Electives**	9
Senior Seminar SW 498, 499	2
4. ELECTIVES	
General Electives-Lower—Upper Division	20

*Core from: AR, HU, IH, MU, PY, TA, Foreign Language 201, 202. Humanities must represent two fields.

**Must be selected from: Social Work, Communication, Sociology, Anthropology, Criminal Justice Administration, Political Science, History. With approval of advisor.

Suggested Program

BACHELOR OF ARTS DEGREE

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Concepts of Biology B 100	4	-
Science-Mathematics	-	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
	16	16
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
Introduction to Multi-Ethnic Studies SO 230	-	3
	16	15
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
UD Soc. Sci. & Public Affairs Electives	3	6
Lower or Upper Division Electives	6	3
	15	18
SENIOR YEAR		
Field Work SW 480,481	5	5
Senior Seminar SW 498, 499	1	1
Social Work Methods-Groupwork SW 435	3	-
Social Work Methods-Community Organ SW 430	3	-
Lower or Upper Division Electives	3	8
Psychology Elective	-	3
	15	17

Course offerings

SW SOCIAL WORK

Lower Division

SW 101 INTRODUCTION TO SOCIAL WORK (3-0-3)(F/S) (AREA II). Survey of the historical development and contemporary practice of social work; values, knowledge base, skills, the underlying philosophy and the need for social services in society. Social work functions and career opportunities are delineated.

SW 201 ELEMENTARY SOCIAL WORK PROCESSES (3-0-3)(F/S). Communication skills, interviewing techniques, and problem solving processes specific to practice. Community social services are reviewed and three clock hours of service per week are required in agency to facilitate the integration of values, knowledge and skills. PREREQ: SW 101.

Upper Division

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

SW 321 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT (3-0-3)(F/S). Human systems framework, age-related stages of development with special attention to life crises related to each stage, identifying developmental tasks with which social work interventions are especially concerned. Develops key concepts in understanding feminist, racial, ethnic and alternate life styles. PREREQ: SW 201, SO 101 and P 101.

SW 380 SOCIAL WORK STATISTICS AND RESEARCH METHODS (3-0-3)(S). An introduction to the scientific method and the basic elements of research methodology and statistics. The focus will be on the use of research in Social Work and the manner in which research intertwines with other Social Work methods. PREREQ: SW 301, 321.

SW 385 SOCIAL WORK METHODS-CASEWORK (3-0-3)(F/S). An examination of skills employed to serve individuals and families; communication skills, problem solving process and case recording. PREREQ: SW 301, 321.

SW 430 SOCIAL WORK METHODS-COMMUNITY ORGANIZATION (3-0-3)(F/S). A study of community structure, organization and attitudes. Techniques for understanding communities, methods of working in communities. PREREQ: SW 301, 321.

SW 435 SOCIAL WORK METHODS-GROUPWORK (3-0-3)(F/S). Dynamics of group behavior, understanding group interaction and the processes of working with groups. PREREQ: SW 301, 321.

SW 480 FIELD WORK I (5-0-5)(F). Sixteen clock hours per week, the student works as a practicing social worker under the teaching supervision of a professionally trained and experienced social worker. Must apply for admission into the field work program December preceding Fall registration period. PREREQ: SW 301, 321, 380, 385;; Cum GPA =2.5; major GPA =3.0.

SW 481 FIELD WORK II (0-16-5)(S). Continuation of Field Work I. PREREQ: SW 480 and PERM/INST.

SW 498 SENIOR LEVEL SEMINAR (1-0-1)(F). Facilitates and encourages the student's development as an entry level practitioner through the synthesis of social work theory, practice and values. Must be taken concurrently with SW 480.

SW 499 SENIOR LEVEL SEMINAR (1-0-1)(S). Continuation of SW 498. Must be taken concurrently with SW 481.

**Department of Sociology,
Anthropology & Criminal
Justice Administration**

Library Building, Room 218 Telephone (208) 385-3406
Chairman and Professor: Richard P. Baker; Professors; Dorman, Pavesic, Scheffer; Associate Professors; Christensen, Cox, Hopfenbeck; Assistant Professors; Blaine, Corbin, Foraker-Thompson, Plew.

Majors offered

Associate Degree
Criminal Justice Administration
Social Science (MHAFB only)

Bachelor Degree

- Anthropology
- Anthropology (Social Science), Secondary Education
- Criminal Justice Administration
- Multi-Ethnic Studies
- Social Science
- Sociology
- Sociology (Social Science), Secondary Education

Department statement

The Department of Sociology, Anthropology and Criminal Justice Administration is responsible for seven degree programs.

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.

Degree requirements

**ANTHROPOLOGY
Bachelor of Arts Degree**

Liberal Arts Option

- a. General University and Basic Core Requirements
- b. Anthropology Requirements42
 - 1) Lower Division Courses9
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Intro to Archaeology AN 103 3
 - 2) Upper Division Courses6
 - History of Anthropology AN 401 3
 - Elementary Social Statistics SO 310 or equivalent 3
 - 3) Other Upper Division Courses27
 - Select 9 credits from each of the following groups of courses:
 - Group I Courses9
 - Human Evolution AN 325 3
 - Anthropology of Education AN 409 3
 - Applied Anthropology AN 430 3
 - Socio-Cultural Electives 3
 - Group II Courses9
 - Peoples of the Pacific Islands AN 305 3
 - Indians of North America AN 307 3
 - Peoples & Cultures of the World AN 311 3
 - Indian Peoples of Idaho AN 315 3
 - Ethnography Electives 3
 - Group III Courses9
 - Old World Prehistory AN 303 3
 - Archaeology on North America AN 312 3
 - Archaeology of Latin America AN 318 3
 - Seminar in Archaeology AN 421 3
- c. Recommended Electives:
 - One year of a foreign language; a computer application course; and LI 305 Introduction to Linguistics.

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 Courses33
 - Required courses are the same as for the major less 3 credit hours in each of Groups I, II, and III, and SO 310 is not required.
- b. Secondary Education Requirements25-30
 - Refer to Teacher Education Department
- c. State Department of Education Certification9
 - Requirements, Social Studies6
 - U.S. History 6
 - 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

Anthropology Minor Option

- a. Liberal Arts Minor
 - Completion of the following courses21
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Intro to Archaeology AN 103 3
 - Peoples & Cultures of the World AN 311 3
 - Upper Division Anthropology Electives 9
- b. Anthropology Education Minor Option15
 - Required Courses:
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Upper Division Anthropology Electives 9
 - Intro to Archaeology AN 103 is strongly recommended.

**CRIMINAL JUSTICE ADMINISTRATION
Bachelor of Arts Degree
Bachelor of Science Degree**

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

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

CORE COURSES:	Credits
English Composition E 101-E 102	6
Literature	3
Humanities (Area I)	9
Science or Mathematics (Area III)	12
History	3
Introduction to Financial Accounting AC 205	3
OR	
Introduction to Information Sciences IS 210	3
General Psychology P 101	3
American National Government PO 101	3
State-Local Government PO 102	3
Fundamentals of Speech Communication CM 111	3
Introduction to Sociology SO 101	3
Social Justice CR 101	3
Intro to Criminal Justice Admin CR 201	3
Police in the Community CR 215	3
Administration of Justice CR 301	3
Criminal Law CR 321	3
Contemporary Correctional Theory & Practice CR 362	3
Senior Seminar in Criminal Justice CR 498	3
Abnormal Psychology P 301	3
Juvenile Delinquency SO 415	3
Criminology SO 417	3
Independent Study in Criminal Justice CR 496	3

SPECIALTY AREA COURSES

- 1. Law Enforcement1*
 - Defensive Tactics PE 192 3
 - Law of Criminal Evidence CR 275 3
 - Law of Arrest, Search & Seizure CR 276 3
 - Police Organization & Management CR 351 3
 - Introduction to Criminalistics CR 380 3
 - Criminal Justice Planning CR 425 3
 - Comparative Law Enforcement Admin CR 451 3
 - Field Practicum-Enforcement CR 490 6
 - Electives to total 128 19
- 2. Courts/Law3
 - Law of Criminal Evidence CR 275 3
 - Law of Arrest, Search & Seizure CR 276 3
 - Judicial Admin & Court Management CR 381 3
 - Criminal Justice Planning CR 425 3
 - Comparative Law Enforcement Admin CR 451 3

College of Arts and Sciences

Constitutional Law PO 351	3
Field Practicum-Courts-Law CR 490	6
Electives to total 128	20
3. Corrections/Counseling	
Corrections in the Community CR 331	3
Interviewing & Counseling in Crim Justice CR 340	4
Advanced Interview & Counsel in Crim Just CR 341	4
Criminal Justice Research & Evaluation CR 426	3
Field Practicum-Correct-Counsel CR 490	6
Criminal Justice Elective	3
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.

SOCIAL SCIENCE
Bachelor of Arts

1. General University and Basic Core Requirements:	
2. Social Science Requirements:	
a. Lower Division Courses	21
Anthropology	3
Economics	3
Political Science	3
Sociology	3
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)	24
Anthropology	
Economics	
History	
Political Science	
Psychology	
Sociology	

SOCIOLOGY MAJOR
Bachelor of Arts
Bachelor of Science

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.

SOCIOLOGY
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 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 curriculum 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

SOCIOLOGY
Social Science Minor

Required Course SO 101	3
Sociology Electives-Half must be Upper Div	2

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

Bachelor of Arts

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; A.R. Corbin, Department of Sociology, Anthropology and Criminal Justice Administration; or Dr. Mamie Oliver, Department of Social Work, to develop program of study.

1. General University Requirement	51
2. Ethnic Studies Requirements:	
a. Lower Division Courses	15
Introduction to Multi-Ethnic Studies SO 230	3
Cultural Anthropology AN 102	3
Ethnic Literature Courses	6
Minorities in U.S. History HY 261	3
b. Upper Division Courses	3
Racial and Cultural Minorities SO 305	3
c. Courses Electives	30
(List of approved Course Offerings available from Program Supervisors)	
3. General Electives	29
	128

Multi-Ethnic Studies Minor

a. Requirements	9
Intro to Multi-Ethnic Studies SO 230	3

Minorities in U.S. History HY 261	3
Ethnic Literature Courses	3
b. Ethnic Courses Electives	12

List of approved courses available from Program Supervisors.

Law of Arrest, Search & Seizure CR 276	-	3
Electives	1	6
	16	15

Recommended programs
SOCIOLOGY PROGRAM

Following is a suggested sequence of courses for the Bachelor of Science degree.

FRESHMAN YEAR	Fall	Spring
English Composition E 101-102	3	3
Science: Mathematics (core)*	4	4
Introduction to Sociology SO 101	3	-
Cultural Anthropology AN 102 Recom	-	3
American National Government PO 101 Recommended	3	-
Introduction to Philosophy PY 101 Recom	-	3
History of Western Civilization HY 101 Recom	3	-
Area II Elective	-	3
	16	16

* B 100 Concepts of Biology and M 100 Cultural Approach to Math are strongly recommended.

SOPHOMORE YEAR	Fall	Spring
Literature Elective (core)	3	-
Science: Mathematics Elective	3	4
General Psychology P 101 Recommended	3	-
Theories of Society SO 201	-	3
Computer Applications SO 210	3	-
Area I Electives (core)	3	6
Science Electives for B.S. OR Foreign Lang. Elect. for B.A.	4	4
	16	17

JUNIOR YEAR	Fall	Spring
Elem Social Statistics SO 310	3	-
Social Research SO 311	-	3
Emphasis: General: Applied	6	6
Minor Emphasis	6	6
Electives	3	3
	18	18

SENIOR YEAR	Fall	Spring
History of Sociology SO 401	3	-
Contemporary Soc Theory SO 402	-	3
Emphasis: General: Applied	3	3
Minor Emphasis	6	3
Sociology Seminar SO 498	-	2
Electives	3	3
	15	14

CRIMINAL JUSTICE
ASSOCIATE OF SCIENCE
PROGRAM (TWO YEAR)

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Science or Mathematics	4	4
Social Justice CR 101	-	3
American National Government PO 101	3	-
Introduction to Sociology SO 101	3	-
Fundamentals of Speech Comm CM 111	-	3
State-Local Government PO 102	-	3
Intro to Criminal Justice Admin CR 201	3	-
Defensive Tactics FA 141	-	1
	16	17

SOPHOMORE YEAR	Fall	Spring
Intro to Information Sciences IS 210 OR		
Intro to Financial Accounting AC 205	3	-
Police in the Community CR 215	3	-
Law of Criminal Evidence CR 275	3	-
Humanities	3	3
History	3	-
General Psychology P 101	-	3

Course offerings

AN ANTHROPOLOGY

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.

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 historic 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 WW II; 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 worldwide 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 survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional societal complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the intermountain West. 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 distinctiveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. PREREQ: Upper division status or PERM/INST.

AN 318 ARCHAEOLOGY OF LATIN AMERICA (3-0-3)(F/S). An examination of the precolumbian 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 both the human fossil record and present 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, theory and methods of contemporary Anthropology. Major anthropological contributions by A.L. Kroeber, Margaret Mead, Franz Boas, Julian Steward, B. Malinowski, and others will be used as reference points for presented materials and classroom discussions. 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 ARCHEOLOGY (3-0-3)(S). A survey of the philosophical and theoretical foundations of archaeology. Includes the developments in methodology and technical advances as applied to archaeological research. 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 exam-

ined. Also considered is the application of anthropological concepts in contemporary societies and institutions. PREREQ: AN 102, 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). 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 275 LAW OF CRIMINAL EVIDENCE (3-0-3)(F). Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. PREREQ: CR 201.

CR 276 LAW OF ARREST, SEARCH AND SEIZURE (3-0-3)(S). A highly concentrated study of the legalities and decision making processes associated with arrest, search and seizure in accordance with statutes, case law and Supreme Court decisions as they relate to constitutional protections. PREREQ: CR 201.

Upper Division

CR 301 ADMINISTRATION OF JUSTICE (3-0-3)(F). The administration of criminal justice from arrest to sentencing. Federal and state rules of criminal procedure and laws of evidence as they apply and affect constitutional due process. PREREQ: CR 201.

CR 321 CRIMINAL LAW (3-0-3)(S). Elements and application of federal and state criminal statutes. The effect of differential enforcement on the tolerance limits of society. 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, furlough 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 (3-2-4)(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 341 ADVANCED INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-2-4)(S). Analysis of major theoretical counseling models. Development of advanced skills in interviewing and counseling strategies focusing on the unmotivated, involuntary client. PREREQ: CR 340.

CR 351 POLICE ORGANIZATION AND MANAGEMENT (3-0-3)(F). Enforcement agency structure, management philosophies and operational functions and goals. The effect of changing societal values on agency effectiveness. Current and future problems facing local enforcement administrators. PREREQ: CR 215.

CR 362 CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F) (Cross list SO 362). The historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state and federal correctional institutions. PREREQ: Upper division CJA standing.

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

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S) (Even years). Study of practices and trends in court management and judicial administration; court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. PREREQ: CR 301, upper division CJA standing.

CR 425 CRIMINAL JUSTICE PLANNING (3-0-3)(F). Study of planning concepts and models to provide the student with skills in criminal justice planning, policy analysis and planning a program evaluation. Use of planning and analytical tools to review current issues in the system. 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/INST.

CR 451 COMPARATIVE LAW ENFORCEMENT ADMINISTRATION (3-0-3)(S). An

analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. PREREQ: CR 201. Non-majors; PERM/INST. Alternate years with CR 380.

CR 490 FIELD PRACTICUM (V-V-6). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all BA/BS students without one year of full time criminal justice experience. 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 societies. Their impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

SO 102 SOCIAL PROBLEMS (3-0-3)(Area II). Problems that arise due to breakdown of norms and value consensus in society, the causes and solutions to these problems. 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)(S). 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 (3-0-3)(F). Introduction to the major analytical and interpretative contributions of Sociology towards an understanding of the nature and causes of human behavior in society. PREREQ: SO 101.

SO 203 FUTURISTICS (3-0-3)(F). Introduction to the major analytical 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 (3-0-3)(F/S). The objectives of this course are (a) to develop an understanding of computer applications of social science data and (b) 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 (3-0-3)(Area II). This course views majority and minority relations and confronts, challenges and motivates students to know themselves better and understand some societal problems; viz, racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality.

Upper Division

SO 305 RACIAL AND CULTURAL MINORITIES (3-0-3)(F/S). Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. PREREQ: SO 202 or P 101 and upper division standing.

SO 310 ELEMENTARY SOCIAL STATISTICS (3-0-3)(F). The application of measurements to social research data. Basic statistical measures, techniques for their application, meaning and use in research. Recommended for majors to be taken in the junior year and followed by SO 311. PREREQ: SO 101, high school algebra. Upper division status.

SO 311 SOCIAL RESEARCH (3-0-3)(S). An introduction to the empirical basis of modern sociological methods of research, design and the statistical analysis of social data. PREREQ: SO 101, 310 and upper division status.

SO 320 RADICAL SOCIOLOGY (3-0-3)(F). Analysis of contemporary radical power theory and its application in the study of modern socio-economic problems. This course will examine issues of social importance from the perspective of conflict theory, new-Marxian and Elitist theory. PREREQ: SO 101 and Upper Division Status. Alternate Years.

SO 325 SOCIOLOGY OF AGING (3-0-3)(F/S). Analysis of aging as a social process emphasizing the changing roles as a result of the process; the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. PREREQ: SO 1010 and upper division status.

SO 330 SOCIOLOGY OF VIOLENCE (3-0-3)(F). The incidence of deliberate injury of one human 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 DEVIANT BEHAVIOR (3-0-3)(F/S). Analysis of groups who violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies - with those labeled deviant or with those doing the labeling. PREREQ: SO 101, upper division status.

SO 340 SOCIOLOGY OF THE FAMILY (3-0-3)(F/S). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. **PREREQ:** SO 101, upper division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3)(F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. **PREREQ:** SO 101 and upper division standing. Alternate years.

SO 361 SOCIOLOGY OF WORK (3-0-3)(F/S). The social organization of work is examined in historical and contemporary perspectives. **PREREQ:** SO 101, upper division standing.

SO 362 CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F). Historical development, processes and methods of operating the adult correctional system. Philosophy and development of treatment strategies to local, state, and federal correctional institutions.

SO 370 SOCIOLOGY OF LAW (3-0-3)(S). Law enactment, enforcement and adjudication are studied as social acts with social consequences. Theories and practices of legal action are reviewed as emerging from and impacting on the social structure. **PREREQ:** SO 101 and Upper Division Status. Alternate Years.

SO 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). 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 such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. **PREREQ:** General Psychology P 101 or Introduction to Sociology, SO 101 and upper division status.

SO 380 POLITICAL SOCIOLOGY (3-0-3)(F). A survey of research literature and theory in Political Sociology, including attitudes, values, power structure, parties and political participation 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 (3-0-3)(F). Examination of the intellectual and social currents in Europe from about 1830 to 1900 during which time Sociology was initially recognized 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 (3-0-3)(S). Study and discussion of selected 20th century theories. **PREREQ:** SO 101, upper division standing.

SO 403 SOCIAL CHANGE (3-0-3)(F/S). 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 divisions standing. Alternate years.

SO 407 SOCIOLOGY OF RELIGION (3-0-3)(F/S). 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 (3-0-3)(S). 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 (3-0-3)(F). 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 (3-0-3)(S). Social causes of juvenile delinquency. Solutions that are discussed arise from theories which suggest changing society more than the individual delinquent. Positive and negative activities of the juvenile justice system are also reviewed. **PREREQ:** SO 101, upper division standing.

SO 417 CRIMINOLOGY (3-0-3)(F). Examines the social causes of criminal behavior, relevant research, treatment programs, and the criminal justice systems. The student is challenged to question who has wronged whom—the criminal or the system. **PREREQ:** SO 101, upper division standing.

SO 421 SOCIAL INEQUALITY (3-0-3)(S). How inequalities of wealth, income and prestige occur. How such inequalities affect style of behavior, 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; consumerism and poverty; public policy and the politics of wealth and welfare. **PREREQ:** SO 101 and Upper Division Status. Alternat years.

SO 425 URBAN COMMUNITY AND PLANNING (3-0-3)(F). A policy oriented approach to evaluate public issues in a systematic and analytical fashion as they affect the shape and future of 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 (3-0-3)(F/S). 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 (3-0-3)(F/S). An examination of complex formal organizations, bureaucracy and human interaction, theory, research and findings are covered. May be taken for Sociology or Political Science credit (PO 487), but not for both. **PREREQ:** Senior standing, PERM/INST.

SO 498 SOCIOLOGY SEMINAR (2-0-2)(S). Intensive study of selected problems in Sociology. **PREREQ:** Senior standing in Sociology major.

Department of Theatre Arts

Morrison Center, Room C-100

Telephone (208) 385-3957

Chairman and Professor: Charles E. Lauterbach; *Professors:* Lauterbach, Shankweiler; *Associate Professor:* Ericson; *Assistant Professor:* Buss.

Majors offered

Theatre Arts
Theatre Arts, Secondary Education

Program requirements

THEATRE ARTS

Bachelor of Arts

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.) 2
3. Area I 12
Intro to Theatre and Art or Music 6
Dramatic Literature 3
Elective Literature Course 3
4. Area II 12
History of Western Civilization 6
5. The Department recommends that Theatre Arts Majors take one year of Foreign Language and Library Science 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	6
Directing TA 401	3
Theatre History TA 421, 422	6
Contemporary Theatre TA 445	3
Major Production Participation (2 hr LD, 2, UD) TA 231, 331	4
	39

(Upper Division Courses—21)

SECONDARY EDUCATION

Department requirements for the Secondary Education Option are the same as regular Theatre major plus:

Directing TA 402

Shakespeare E 345 or 346(substituted for Contemporary Theatre 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.

Recommended program

THEATRE ARTS MAJOR

Bachelor of Arts

(Departmental Requirements indicated by asterisk)

THEATRE EMPHASIS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
*Physical Education	1	1
Laboratory Science	4	4
*Introduction to Theatre	3	-
*Technical Theatre	4	4
Art or Music	-	3
Intro to Use of Books & Libraries	-	2
	15	17

SOPHOMORE YEAR

Literature Elective	3	-
*Stage Voice	-	3
*Western Civilization	3	3
*Acting	3	-
Social Science Elective	3	-
Laboratory Science	-	4
Electives	4	6
	16	16

JUNIOR YEAR

Foreign Language	4	4
*Dramatic Literature	3	-
*World Drama	3	3
Electives, Upper Division	6	8
	16	15

SENIOR YEAR

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

* Departmental Requirements.

SECONDARY EDUCATION EMPHASIS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
*Physical Education	1	1
Laboratory Science	4	-
*Introduction to Theatre	3	-
*Technical Theatre	4	4
Electives	-	7
	15	15
SOPHOMORE YEAR		
Literature Elective	3	-
*Stage Voice	-	3
*Western Civilization	3	3
Laboratory Science	-	4
Social Science Elective	3	-
*Acting	3	-
Electives	4	6
	16	16
JUNIOR YEAR		
Foreign Language	4	4
*Dramatic Literature	3	-
*Shakespeare	-	3
Speech for Teachers	-	3
Educational Psychology	3	-
Foundations of Education	-	3
Education Elective TE 307 & 333	4	-
*World Drama	3	3
	17	16
SENIOR YEAR		
*Directing	3	3
*Theatre History	3	3
Secondary School Methods	3	-
Student Teaching	9	-
Electives	-	6
	18	15

*Departmental Requirements.

ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in this Catalog under the English Department heading.

Liberal Arts Option:

Lower Division Literature	9*
One of the following	3
Expository Composition E 201	
Creative Writing, Poetry E 205	
Creative Writing, Fiction E 206	
Upper Division Electives other than English	
Department Drama Courses	6
	18

*This requirement cannot be fulfilled by E 297, Special Topics Courses.

Courses Applying to Both Disciplines

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

Total in English Minor for Theatre Arts Major

Course offerings

TA THEATRE ARTS

Lower Division

TA 010 THEATRE SYMPOSIUM (no credit)(F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.

TA 107 INTRODUCTION TO THEATRE (3-0-3)(AREA I). A survey course designed to stimulate an appreciation of drama and allied 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 give it validity as a unique art form.

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 233 STAGE VOICE (3-0-3)(F/S). Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes.

TA 287 CHILDREN'S THEATRE (3-0-3)(F). An examination of the literature, theory and history of theatre for children. Includes practical participation in an on-campus production of a play for children.

TA 288 TOURING CHILDREN'S THEATRE (3-0-3)(S). A concentrated study of the history and techniques of producing theatre for children. Specific emphasis on a single script selected for production and off-campus touring to local elementary schools.

Upper Division

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. PREREQ: TA 215-216 or PERM/INST. Alternate years.

TA 341 WORLD DRAMA 500 BC-1642 (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.

TA 342 WORLD DRAMA 1642-1960 (3-0-3)(S). 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.

TA 351 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. **PREREQ:** TA 117-118.

TA 352 COSTUME DESIGN (3-0-3)(S). Major skills of beginning costume design, included will be art techniques for the theatre, research in major periods of costume design, examination of major costume designers, works and practical experience in designing for all manner of productions. **PREREQ:** 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. **PREREQ:** TA 117-118. Alternate years.

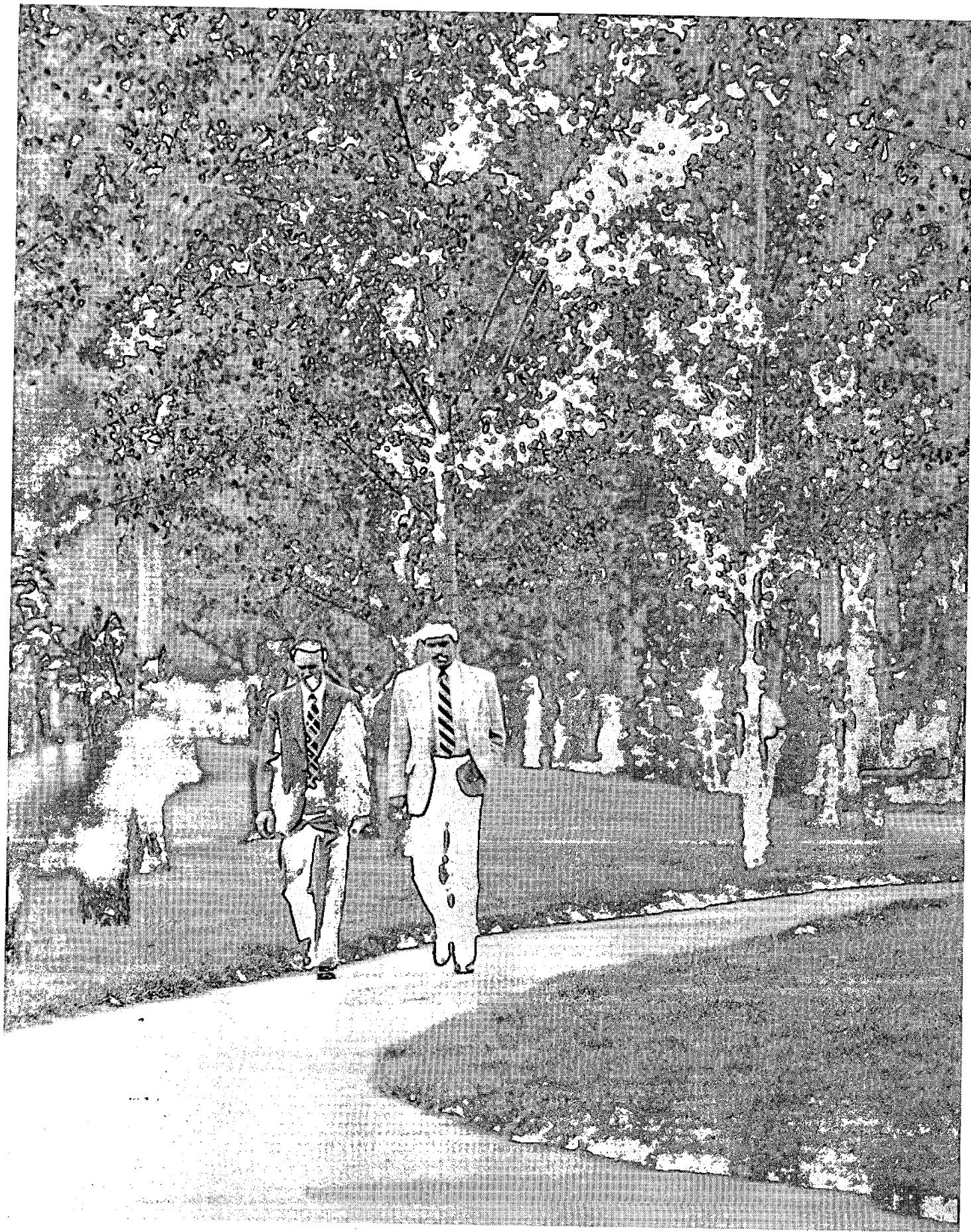
TA 401-402 DIRECTING (3-0-3). Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems of directing are presented. **PREREQ:** Upper Division standing.

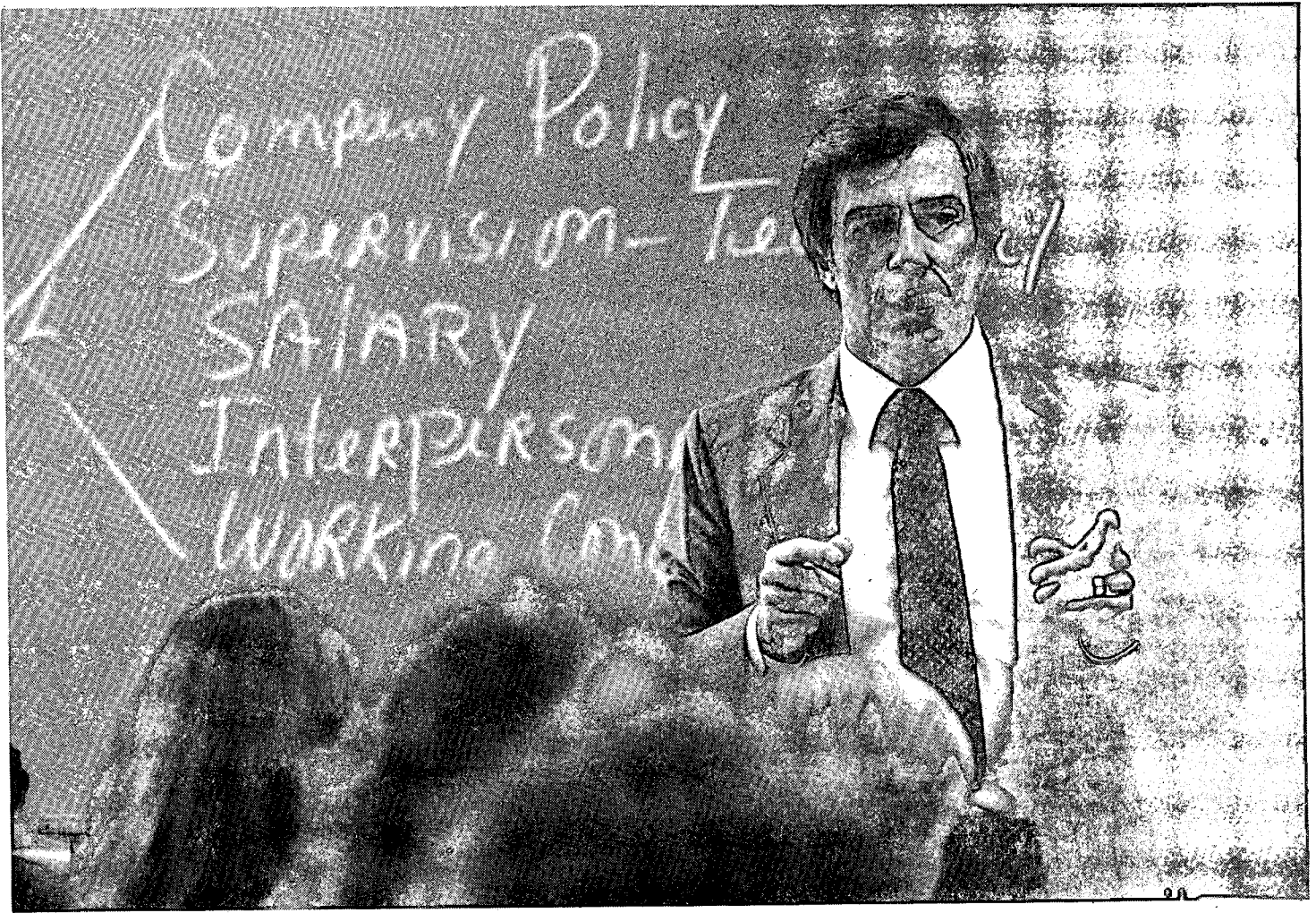
TA 421g-422g THEATRE HISTORY (3-0-3)(F/S). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through approximately 1550 AD; the second semester from the Elizabethan period through the end of the 19th century.

TA 445 CONTEMPORARY THEATRE (3-0-3)(S). A study of world theatre and drama since 1960 with an emphasis on current research materials and techniques. Alternate years.

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. **PREREQ:** PERM/CHMN.







College of Business

Dean: Thomas E. Stitzel, Ph.D.

Assoc. Dean and Graduate Program Director: Stewart L. Tubbs, Ph.D.

Director of Research & External Relations: Ronald R. Slone, MBA

College of Business Emeriti: Albertson, Bushby, Carson, Doss, Edlefson, Johnson, Roe, Tipton, Underkofler, Wilson.

The College of Business at Boise State University is comprised of the five academic departments whose programs are described on the following pages and two Centers:

- Center for Management Development: Stewart L. Tubbs, Director
- Idaho Business Development Center: Ronald Hall, Director

The College's overall strategic objective is to attain an increasing level of quality in its degree and nondegree programs, research and service which continues to merit its designation as the program of primary emphasis in business and economics in the State and which leads to regional recognition and national awareness. Teaching is recognized as the major responsibility of the faculty. The College of Business is committed to offer high quality programs in business administration. Elements of the College's mission 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 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 business majors an understanding of the free enterprise system and the operation of business firms within the system; and
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 in the Baccalaureate Degrees section of this Catalog 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. 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.

Upper Division Admission

Administrator: Ronald R. Slone
Business Building, Room 211
Telephone (208) 385-3463

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
2. Successful completion of these lower division core courses (or equivalent courses): English E 101-102, Mathematics M 105-106, Economics EC 201-202, Accounting AC 205-206, Business Law GB202, Information Science IS-210, Statistics DS-207, with grades of C or better.
3. Cumulative GPA of at least 2.4.
4. Completion of at least 58 credit hours, including courses in progress the application semester.
5. Selection of an authorized major.
6. Application with transcript by preregistration week each semester.

Bachelor Degree Programs

NOTE: The student will find under each major the particular course of study to follow. Where the term "General Electives" or "Area I, II, or III" appear, refer to the inclusive listing of courses in the Degree Requirements (CORE) section of this Catalog. Graduation Requirements: See the Baccalaureate Degrees section of the Catalog for complete listing of these requirements for the BBA, BA, and BS.

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:

- Business Communication AS-328
- Management & Organizational Theory 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, Room 214

Telephone (208) 385-3461

Chairman and Associate Professor: William Stratton; *Professor:* Merz; *Associate Professors:* Gingras, Jensen, Medlin, Nix, Pirrong; *Assistant Professor:* Harsha, Lathen, Millier; *Special Lecturers:* Boyll, Chatwood, Christensen, Ellis, Ruby.

Majors offered

Accounting

Departmental Statement of Focus

The Department of Accounting at Boise State University has over 600 undergraduate majors. There are many professional opportunities available for college graduates with an accounting background and the demand for graduates is high.

Members of the accounting faculty possess impressive credentials. There are 13 full-time faculty. Of these twelve are CPAs, five are CMAs, and eight hold the doctorate. Their research is recognized through publication in many professional journals. Faculty frequently serve in consulting capacities to local and national business firms. Most of the faculty have extensive relevant experience in industrial, public, and governmental accounting.

Perhaps the most interesting and unique feature of the department is its close relationship to the business community. Guest lecturers frequently conduct classes and workshops. This "corporate laboratory" experience at BSU provides the student with a unique perspective not typically available at other schools.

The Accounting program provides thorough training in accounting, general business, and economics, along with a broad exposure to the arts and sciences.

In many courses, the student is required to utilize the IBM Personal Computer to prepare working papers and assignments. The College of Business has a microcomputer laboratory as well as a microcomputer classroom where students are taught the basic skills. These skills are then integrated within several of the accounting courses, providing a significant educational benefit.

The internship program is large and growing. The student has the opportunity to earn college course credits while realizing the benefits of real world accounting experience. Most firms participating in the internship program offer a salary to students.

Special Information for Students

1. Students interested in careers in professional accounting are strongly advised to plan on taking in excess of the minimum 128 hours required for graduation. This is necessary to obtain the minimum knowledge requirements for entry into the accounting profession. In particular, students planning to sit for the CPA/CMA/CIA examinations should take the following additional courses:

CPA	AC 402, 420, and 440
CMA	AC 402 and 420
CIA	AC 420

More detailed information about these professional certification programs is available through the department. A suggested "ninth semester" for those planning professional careers in accounting is shown following the Recommended Program below.

2. Due to the rigor and intensity of the upper division accounting program, students are strongly urged to consult with their advisor prior to entering upper division to develop an individualized plan. This plan should avoid the taking of more than two accounting courses in any one semester when the student is carrying a full course load.
3. Some courses offered by the department require extended length examinations. These examinations vary in length from two to four hours, and may be given on Saturdays. In addition, special fees are assessed in some accounting classes to cover the cost of items such as computer software, materials, field trips, etc.

Degree requirements

In addition to the general university requirements, the following courses are required for an Accounting major:

Business Courses: MK-301, GB-202-302, 450; FI-303, EC-303; AS-328; MG 301, 401; DS-207, 345; IS 210.

Accounting Courses: AC-205, 206, 304, 306, 351, 352, 401, 405, 460, 470.

Recommended program

ACCOUNTING PROGRAM
Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Mathematics M 105-106 or M 111-204	4	4
Core Electives (Area I, II)	6	6
Non-business electives	3	3
Total	16	16
SOPHOMORE YEAR		
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Principles of Economics EC 201-202	3	3
Intro to Information Science IS 210	-	3
Statistical Techniques IDS 207	3	-
Legal Environment of Business GB 202	-	3
Non-business Electives	4	6
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
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
NINTH SEMESTER		
Advanced Income Taxation AC 402	3	-
*Systems Analysis and Design AC 420	3	-
Accounting Theory AC 440	3	-
Review for CPA/CMA/CIA Exam. (250-300 hours)	-	-
Recruiting for employment (50-100 hours)	-	-

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.

*Credit may not be earned for both AC 420 and IS 420

Course offerings

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 how financial statements are prepared and used. 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 manufacturing accounting is emphasized. Introduction to the analysis of financial information with tools such as capital budgeting, inventory measurement and control, and the impact of taxes on decision making. PREREQ: AC-205.

Upper Division

AC-304 INTERMEDIATE ACCOUNTING I (3-0-3)(F/S). 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-306 INTERMEDIATE ACCOUNTING II (3-0-3)(F/S). 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 impact of 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-206.

AC 351 COST ACCOUNTING (3-0-3) (F/S). Theory of cost accounting and cost control; including job order, process, direct and standard costs, budgeting and break-even analyses. Emphasis on cost determination as a tool of management and production control. PREREQ: AC-206.

AC 352 MANAGERIAL ACCOUNTING (3-0-3)(F/S). 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, break-even, and incremental cost analysis. PREREQ: AC 351.

AC-401 PRINCIPLES OF INCOME TAXATION (3-0-3) (F/S). 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-306.

AC-402 ADVANCED INCOME TAXATION (3-0-3). Theory and application of the federal income tax to corporations organized for profits, and an introduction to partnership, trust and estate and gift taxation. PREREQ: AC-306, AC-401.

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 timesharing. 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/S). Topics covered in the course include: Governmental and non-profit accounting, interim reports, segment reporting, corporate liquidations, estates and trusts, and franchises and consignments. PREREQ: AC-306.

AC-470 ADVANCED ACCOUNTING II (3-0-3)(F/S). Study of partnership organization, business combinations and consolidated financial statements; international accounting standards. PREREQ: AC-460. First offering of this course will be in Fall semester 1985.

AC-482 CPA PROBLEMS (6-0-6)(S). In depth consideration 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-405, AC-460. PERM/INST.

Department of Economics

Business Building, Room 311 Telephone (208) 385-3351

Chairman and Associate Professor: Charles L. Skoro; Professors: Asmus, Billings, Lamborn, Lichtenstein, Payne, Reynolds; Associate Professor: Draayer; Assistant Professors: Dalton, McGrath.

Majors offered

Economics
Economics (Social Science), Secondary Education
Real Estate

Recommended programs

ECONOMICS MAJOR Bachelor of Arts

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Mathematics M 105-106 or M 111-204	4	4
History	3	-
Electives (Area II other than Econ or History)	-	3
*Electives (Area I—Field Two)	3	-
*Electives (Area I—Field Three)	-	3
Electives	3	3
Totals	16	16

SOPHOMORE YEAR		
Principles of Macroeconomics EC 201	3	-
Principles of Macroeconomics EC 202	-	3
Literature	3	-
Elective (Area I)	-	3
Science (Area III)	-	4
Intro to Financial Accounting AC 205	3	-
Intro to Information Science IS 210	3	-
Intro to Managerial Accounting AC 206	-	3
Statistical Techniques IDS 207	3	-
Statistical Techniques II DS 208	-	3
Electives	2	1
Totals	17	17

JUNIOR YEAR		
Intermediate Microeconomics EC 303	3	-
Intermediate Macroeconomics EC 305	-	3
Principles of Finance FI 303	3	-
Economics Electives	3	3
**Electives	6	9
Totals	15	15

SENIOR YEAR		
Econometrics EC 421, 422	3	3
Economics Electives	3	3
**Electives	10	10
Totals	16	16

*See the Baccalaureate Degrees section of this Catalog for clarification of fields in BA degree.

**Electives should be chosen mainly from Upper Division courses.

ECONOMICS MAJOR Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Mathematics M 105-106 or M 111-204	4	4
Area I Electives	3	3
Area II Electives (other than Economics)	3	3
Electives	3	3
Totals	16	16
SOPHOMORE YEAR		
Principles of Economics EC 201-202	3	3
Science (Area III)	4	-
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Legal Environment of Business GB 202	3	-

Statistical Techniques I, II DS 207-208	3	3
Non-Business Electives (Area I, II, III)	-	3
Intro to Information Science IS 210	-	3
Totals	16	15

JUNIOR YEAR		
Intermediate Microeconomics EC 303	3	-
Intermediate Macroeconomics EC 305	-	3
Management and Organizational Theory MG 301	3	-
Principles of Finance FI 303	3	-
Principles of Marketing MK 301	3	-
+Non-Business Electives (Area I, II, III)	6	-
Principles of Production Management DS 345	-	3
Economics Electives	-	6
Business Communications AS 328	-	3
Totals	18	15

SENIOR YEAR		
Econometrics EC 421-422	3	3
Economics Electives	3	3
Organizational Behavior MG 401	3	-
Business Policies GB 450	-	3
Non-Business Electives (Area I, II, III)	3	3
Electives	5	4
Totals	17	16

*Must include hours in at least 2 of 3 definitive areas as listed in the Baccalaureate Degrees section of this Catalog.

ECONOMICS—SOCIAL SCIENCE, SECONDARY EDUCATION OPTION

Bachelor of Arts Degree

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 15 credits must be earned in one or more of the minor areas (see the Department of Teacher Education section of this Catalog for details).

Degree requirements

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

- General University and Basic Core Requirements as listed in the appropriate section of this Catalog.
- Two approved teaching minors (15 hours each) from:
 - History
 - Political Science
 - Anthropology
 - Sociology
 - Geography
- Economics Courses—30 hours

Required Courses EC 201, 202, 303, 305 - 12 hours

Other Economics Courses - 18 hours

- Intro to Financial Accounting AC 205 —3 hours
- Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education—25 or 30 hours (See Department of Teacher Education section of this Catalog for course listings.)
- 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

Upper Division

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Fundamentals of Speech Communication (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics M 105-106 or M 111-204	4	4
Electives (Area I)	3	3
Legal Environment of Business GB 202	3	-
Fundamentals of Real Estate RE 201	-	3
Totals	16	16
SOPHOMORE YEAR		
Science Elective (AREA III)	4	-
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Principles of Economics EC 201-202	3	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)	3	4
Totals	16	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	-	4
Business Communications AS 328	3	-
Totals	18	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	3
*General Electives	3	3
Totals	15	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, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed.

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

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3) (F/S). A one semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 201 and EC 202.) PREREQ: none.

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 policy goals. PREREQ: EC 201, EC 202.

EC 303 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 usefulness of price theory in 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 problems. PREREQ: EC 201, 202, or PERM/INST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3)(F). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. 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 PERM/INST.

EC 317 INTERNATIONAL ECONOMICS (3-0-3)(S). The benefits and pattern of world trade and investment. Tariffs, quotas and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of 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 specific techniques such as input-output analysis, base multipliers 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 PERM/INST.

EC 325 RADICAL ECONOMICS (3-0-3)(F). Analysis of radical political-economic thought and its applications to the study of socioeconomic problems. Topics include Marxian 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 PERM/INST.

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

EC 333 NATURAL RESOURCE ECONOMICS (3-0-3)(F). The theoretical and policy issues associate 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 405 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3)(Alternate years). Application and extension of macroeconomic theory to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy including techniques of macroeconomic forecasting and modeling. PREREQ: EC 305. Alternate years.

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

EC 421-422, 421G-422G ECONOMETRICS (3-0-3). Application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. PREREQ: M 106 or equivalent and DS 207-208. May be taken for graduate credit. EC 421G-Fall; EC 422G-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.

Upper Division

RE 331 APPRAISAL OF REAL ESTATE (3-0-3) (F/S). Modern real estate appraising concepts and the technical skills employed in their application to residential property. PREREQ: RE 201.

RE 340 REAL ESTATE INVESTMENT AND TAXATION (3-0-3)(F/S). Real Estate from the investor (owner's) point of view with special attention to the tax aspects including Risk and Return Analysis, Property Leverage, Discounted Cash Flow, Tax Consequence of Sales, Exchanging, Multiple Exchanges, and Computerized Investment Analysis. PREREQ: RE 201, 220 and FI 303.

RE 350 REAL ESTATE PROPERTY MANAGEMENT (3-0-3)(F/S). This course explores role of property manager including: market analysis, management plans, marketing, leases, landlord-tenant relations, maintenance, energy conservation, and operating reports for commercial, residential, industrial and special purpose properties. PREREQ: RE 201, 220.

RE 360 REAL ESTATE FINANCE (3-0-3)(F/S). Financial analysis and examination of the intricacies of the real estate mortgage markets, source of mortgage funds, federal government and mortgage markets; lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. PREREQ: RE 201 and FI 303.

RE 370 REAL ESTATE DEVELOPMENT (3-0-3)(F/S). The traditional development process, including market analysis, feasibility study, land acquisition, zoning, layout and design, design review, financing, construction, occupancy, and sale. In addition, the course concerns itself with the many factors of the planning process and the developer obligation and concerns for problems. PREREQ: RE 201, 220.

RE 431 APPRAISAL OF INCOME PROPERTIES (3-0-3)(F/S). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are analyzed. PREREQ: RE 201, 331.

RE 450 REAL ESTATE BROKERAGE MANAGEMENT (3-0-3)(F/S). Office administration, hiring and personnel management, brokerage sales and promotion, commission structure, ethical behavior and social responsibility, creative financing, professional organizations, and agency relationships. PREREQ: RE 220.

Mathematics M 105-106 or M 111-204	4	4
Area I electives	3	3
General Electives (Area I, II, III)	3	3
Totals	16	16

SOPHOMORE YEAR

Principles of Economics EC 201-202	3	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Intro to Information Sciences IS 210	-	3
Statistical Techniques I, II DS 207, 208	3	3
Legal Environment of Business GB 202	-	3
Science Elective (Area III)	4	-
Introduction to Securities FI 250	3	-
Electives	-	3
Totals	16	18

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)	-	5
Principles of Production Management DS 345	-	3
Business Communications AS 328	3	-
Totals	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
Totals	15	15

*Finance Electives: Intermediate and/or Managerial and Cost Accounting AC 304, 306, 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.

**COMPUTER INFORMATION SYSTEMS MAJOR
Bachelor of Business Administration**

	1st SEM	2nd SEM
FRESHMAN YEAR		
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
Totals	16	16
SOPHOMORE YEAR		
Principles of Economics EC 201-202	3	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Statistical Techniques I DS 207	3	-
Intro to Information Sciences IS 210	3	-
Programming Techniques IS 220	-	3
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	4	4
Totals	16	16
JUNIOR YEAR		
Cost Accounting AC 351	3	-
Statistical Techniques II DS 208	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	-	3

Department of Information, Decision Science & Finance

Business Building, Room 308 Telephone (208) 385-1181

Chairman and Associate Professor: Emerson C. Maxson; Professors: Brender, Groebner, Stitzel; Associate Professors: Frankle, Gallup, Gardner, Gill, LaCava; Assistant Professors: Capell, Wojtkowski (G); Lecturers: Snodgrass, Wojtkowski (W).

Majors offered

- Computer Information Systems
- Finance
- Quantitative Management
- Production Management

Recommended programs

**FINANCE MAJOR
Bachelor of Business Administration Degree**

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3

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

Programming Systems—COBOL I, III	3	3
IS 360, 370	-	3
Principles of Marketing MK 301	-	3
Business Communications AS 328	-	3
Principles of Production Management DS 345	-	3
Intermediate Microeconomics EC 303	3	-
Upper Division Economics Elective	-	3
Totals	15	18

JUNIOR YEAR		
Organizational Behavior MG 401	3	-
Data Base Applications IS 405	3	-
Quantitative Analysis for Business Decisions DS 366	3	-
Systems Analysis IS 420	3	-
Software Design IS 430	-	3
Business Policies GB 450	-	3
General Electives (Area I, II, III)	-	6
Electives—Any area	4	3
Totals	16	15

PRODUCTION MANAGEMENT MAJOR
Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Algebra, Trig, Calculus M 111, 204	5	5
Essentials of Chemistry (w/lab) C 107-108, 109-110	4	5
Intro to Information Sciences IS 210	3	-
Electives (Area I)	3	-
Engineering Fundamentals EN 107	-	3
Totals	18	16

SOPHOMORE YEAR		
Physics I, II PH 220-221	3	3
Wave Motion and Heat Lab PH 223 (to be taken with PH 221)	-1	-
Calculus and Anal Geometry M 205-206	4	4
Statistical Techniques I, II DS 207, 208	3	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Principles of Economics EC 201-202	6	3
Totals	17	17

JUNIOR YEAR		
Physics III PH 222	3	-
Electricity and Magnetism Lab PH 224 (to be taken with PH 222)	1	-
Fundamentals of Speech Communications CM 111	3	-
General Psychology P 101	-	3
Principles of Marketing MK 301	-	3
Intro to Mechanics EN 205	-	3
Business Communications AS 328	3	-
Principles of Finance FI 303	-	3
Elective (Area I)	-	3
Management & Organizational Theory MG 301	3	-
Legal Environment of Business GB 202	3	-
Multivariate Statistics DS 416	-	3
Totals	16	18

SENIOR YEAR		
Organizational Behavior MG 401	3	-
Quantitative Analysis DS 366	3	-
Operations Management DS 408	-	3
Principles of Income Tax AC 401	-	3
Operations Decisions and Controls DS 409	-	3
Mechanics of Material EN 306	-	3
Intermediate Microeconomics EC 303	3	-
*Elective	-	-
Business Ethics and Social Responsibility GB 360	3	-
Business Policies GB 450	-	3
Totals	15	15

QUANTITATIVE MANAGEMENT MAJOR
Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Fund of Speech Communication (Area II) CM 111	3	-
Intro to Information Science IS 210	-	3
Mathematics (Area III) M 105-106 or M 111-204	4	4
General Psychology (Area II) P 101	-	3
Elective (Area I)	3	-
Science Elective (Area III)	-	4
General Elective (Area I, II, III)	3	-
Totals	16	17

SOPHOMORE YEAR		
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Principles of Economics EC 201-202	3	3
Statistical Techniques I, II DS 207, 208	3	3
General Electives (Area I, II, III)	6	3
Legal Environment of Business GB 202	-	3
Totals	15	15

JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Principles of Finance FI 303	3	-
Management & Organizational Theory MG 301	3	-
Intermediate Microeconomics EC 303	3	-
Intermediate Macroeconomics EC 305	-	3
Quantitative Analysis DS 366	-	3
Business Ethics and Social Responsibility GB 360	3	-
Organizational Behavior MG 401	-	3
General Electives (Area I, II, III)	-	4
General Electives (IS 220 suggested)	-	3
Business Communications AS 328	3	-
Totals	18	16

SENIOR YEAR		
Multivariate Statistics DS 416	-	3
Advanced Management MG 405	3	-
Operations Decision and Control DS 409	-	3
Operations Management DS 408	3	-
Business Policies GB 450	-	3
Government and Business GB 441	-	3
General Electives	9	4
Totals	15	16

Course offerings

DS DECISION SCIENCE

Lower Division

DS 207 STATISTICAL TECHNIQUES FOR DECISION MAKING I (3-0-3)(F/S). Designed to provide an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. Business applications of such statistical concepts as the Binomial and normal distributions, interval estimates, and hypothesis testing are covered. PREREQ: M 106 or equivalent.

DS 208 STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-0-3)(F/S). Statistical methods beyond DS 207. The course concentrates on using these procedures in a business decision making environment. Topics covered include simple and multiple regression analysis and Bayesian decision theory. Whenever applicable, computer software programs are used to assist in the learning process. PREREQ: DS 207, IS 210.

Upper Division

DS 345 PRINCIPLES OF PRODUCTION MANAGEMENT (3-0-3) (F/S). Management of the production function: analysis, design, planning and control of production processes, plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. PREREQ: MG 301.

DS 366 QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS (3-0-3)(F). Study of quantitative tools traditionally referred to as operations research techniques. Emphasis is on the illustration of the functional use of the techniques and how they assist the decision maker. Topics typically covered include linear programming and critical path analysis. PREREQ: MG 301, DS 345.

DS 408-408G OPERATIONS MANAGEMENT (3-0-3)(S). Quantitative tools needed in the operations and production management fields for effective decision making. The nature of the interactions between the operations manager and the other business systems will be developed. Typical topics include: process design, facilities layout and location, and aggregate planning. PREREQ: DS 208, 366, MG 301.

DS 409-409 G OPERATIONS DECISIONS AND CONTROLS (3-0-3)(F/S). Decisions analysis tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. Emphasis will be on presenting the tools in actual business applications. PREREQ: DS 208, MG 301.

DS 416 MULTIVARIATE STATISTICS (3-0-3)(F/S). Multivariate statistical techniques, which are useful in business decision-making, will be covered with emphasis on problem formulation and interpretation of the results. Typical topics include: general linear model, principal components, discriminant analysis, and factor analysis. PREREQ: DS 208.

FI FINANCE

Lower Division

FI 108 PERSONAL FINANCE (3-0-3)(F/S). Course addresses the growing complexity of financial decision making faced by the individual: how to avoid financial entanglements; installment buying; borrowing money; owning or renting a home; budgeting and money management; savings and investment alternatives; life, health, accident, and auto insurance; personal income taxes and estate planning.

FI 211 PRINCIPLES OF INSURANCE (3-0-3)(F/S). Fundamental legal principles involved in insurance contracts, company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications. All areas of insurance are covered including life, casualty, liability and medical.

FI 250 INTRODUCTION TO SECURITIES AND SECURITIES MARKETS (3-0-3)(F/S). Topics include operation of the securities' markets in the US: sources of investment information; brokerage firms operation; mechanics of direct investing; basic security analysis; commodities and futures markets; put and call options. PREREQ: AC 205 or PERM/INST.

Upper Division

FI 303 PRINCIPLES OF FINANCE (3-0-3)(F/S). 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)(F/S). 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 refunding debt, social responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement 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 303, 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 COMPUTER INFORMATION SYSTEMS

Lower Division

IS 210 INTRODUCTION TO INFORMATION SCIENCE (3-0-3)(F/S). 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 alterna-

tives; (4) selection of alternatives; (5) system design; (6) development and testing; and (7) system implementation.

IS 220 PROGRAMMING TECHNIQUES (3-0-3)(F/S). 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)(F/S). An introduction to COBOL programming in a business environment. Emphasis on the further application of structured program 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 220.

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)(F). Introduction to application program development in a database environment with an emphasis on loading, modifying and querying the database using a host language (COBOL). Discussion and application of data structures, file organizations, models of data including hierarchical, network, and relational. Discussion of storage devices and data administration. PREREQ: IS 370.

IS 420 SYSTEMS ANALYSIS AND DESIGN (3-0-3)(F). 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.



Department of Management

Business Building, Room 313 Telephone (208) 385-1313

Chairman and Professor: Bong-Gon Shin; Professors: Phillips, White, Wilterding; Associate Professors: Bigelow, Glen, Kettlewell, Waldorf, Wines; Assistant Professor: Bixby.

Majors offered

General Business Management (Options in Aviation, Behavioral, and Industrial Relations.)

Recommended programs

GENERAL BUSINESS MAJOR Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105-106 or M111-204	4	4
Electives (Area I)	3	3
Electives (Area III)	-	4
General Electives (Area I, II, III)	3	-
Totals	16	17

SOPHOMORE YEAR

Principles of Economics (Area II) EC 201-202	3	3
Intro Financial and Managerial Acct. AC 205-206	3	3
Statistical Techniques I, II DS 207, 208	3	3
Intro to Information Science IS 210	-	3
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	7	-
Totals	16	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
Financial Management I FI 325	-	3
Principles of Production Management DS 345	-	3
Business Ethics and Social Responsibility GB 360	3	-
Business Communications AS 328	3	-
General Electives (Area I, II, III)	-	3
General Electives	-	4
Totals	18	16

SENIOR YEAR

Financial Management II FI 326	3	-
Government and Business GB 441	-	3
Organizational Behavior MG 401	3	-
Advanced Management MG 405	-	3
Principles of Income Tax AC 401	-	3
Intermediate Marketing Management MK 320	-	3
Business Policies GB 450	-	3
General Electives (Area I, II, III)	3	-
General Electives	6	-
Totals	15	15

MANAGEMENT MAJOR AVIATION OPTION Bachelor of Business Administration

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101-102	3	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	4
Electives (Area I)	3	3
Science Elective	-	4
General Electives (Area I, II, III)	3	-
Totals	16	17

SOPHOMORE YEAR

Principles of Economics (Area II) EC 201, 202	3	3
Intro Financial & Managerial Acct. AC 205-206	3	3
Statistical Techniques I DS 207	3	-
Introduction to Information Science IS 210	-	3
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	3	4
Introduction to Aeronautics AV 101	3	-
Totals	15	16

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	16

SENIOR YEAR

Airport Management AV 331	3	-
Airline and Air Cargo 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	3	3
Totals	15	15

MANAGEMENT MAJOR BEHAVIORAL OPTION Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	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	4
Electives (Area I)	3	3
Science Elective	-	4
General Electives (Area I, II, III)	3	-
Totals	16	17

SOPHOMORE YEAR

Principles of Economics (Area II) EC 201-202	3	3
Intro Financial & Managerial Acct. AC 205-206	3	3
Statistical Techniques I, II DS 207-208	3	3
Intro to Information Science IS 210	-	3
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	4	-
Technical Writing E 202	3	-
Totals	16	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
Personnel Administration MG 305	-	3
Principles of Production Management DS 345	-	3
Business Ethics and Social Responsibility GB 360	3	-
Business Communications AS 328	3	-
General Electives	-	7
Totals	18	16

College of Business

SENIOR YEAR

Compensation Management MG 406	3	-
Financial Management I FI 325	3	-
Government and Business GB 441	-	3
Sociology of Work SO 361	3	-
Organizational Behavior MG 401	-	3
Advanced Management MG 405	-	3
Business Policies GB 450	-	3
General Electives	6	3
Totals	15	15

MANAGEMENT MAJOR INDUSTRIAL RELATIONS OPTION Bachelor of Business Administration

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101-102	3	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	4
Electives (Area I)	3	3
Science Elective	-	4
General Electives (Area I, II, III)	3	-
Totals	16	17

SOPHOMORE YEAR

Principles of Economics (Area II) EC 201-202	3	3
Intro Financial & Managerial Acct. AC 205-206	3	3
Statistical Techniques I DS 207	3	-
Introduction to Information Science IS 210	3	-
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	3	6
Totals	15	15

JUNIOR YEAR

Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	3	-
Labor Economics EC 327	3	-
Intermediate Macroeconomics EC 305	-	3
Personnel Administration MG 305	-	3
Labor Relations MG 340	3	-
Business Communications AS 328	3	-
General Electives	-	6
General Electives (Area I, II, III)	-	4
Totals	18	16

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	-
Advanced Management MG 405	-	3
Collective Bargaining MG 415	-	3
Organizational Behavior MG 401	3	-
Business Policies GB 450	-	3
General Electives	4	3
Totals	16	15

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 termination, the student may take the FAA Private Pilot examination.

AV 201 COMMERCIAL PILOT GROUND SCHOOL (3-0-3)(F). Study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. PREREQ: Private pilot certificate.

AV 205 INTRODUCTION TO AVIATION MANAGEMENT (3-0-3)(F/S). Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower management and career opportunities in the field are featured.

Upper Division

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

AV 351 AIRLINE AND AIR CARGO MANAGEMENT (3-0-3)(F/S). The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management.

AV 371 AVIATION LAW (3-0-3)(F/S). An overview of fundamental aviation law decisions. A chronological coverage of air law, federal and state regulatory functions, liens and security interest in aircraft is emphasized.

AV 450 COLLOQUIUM IN GENERAL AVIATION (3-0-3)(S). Selected readings and topics on current problems in general aviation. Contact with representatives working in general aviation is advocated. Included in the course is consideration of general aviation equipment, the use of general aviation aircraft as a business tool. The operation and management of fixed base operations. PREREQ: Senior aviation major or PERM/INST.

GB GENERAL BUSINESS

Lower Division

GB 101 INTRODUCTION TO BUSINESS (3-0-3). Designed to acquaint the student with the many phases of business. An introduction to the business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Not recommended for four year business majors. Juniors and Seniors with declared business majors excluded.

GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3). Emphasis will be on both the external and internal legal environment of a business organization. Topics will include the nature and function of the legal process, administrative regulations, the interaction of business with the judicial, legislative, and executive branches of government, and the legal responsibilities of business. Freshmen excluded.

Upper Division

GB 302 COMMERCIAL LAW (3-0-3). This course provides an in-depth study of the legal principles relating to commercial transactions. Special emphasis will be placed on the following areas of law: agency, contracts, sales, commercial paper, secured transactions, and bankruptcy. PREREQ: GB 202.

GB 325 PRINCIPLES OF TRANSPORTATION (3-0-3)(F/S). Study of the economic and management problems and functions of the transportation industry. Covers the organization and structure of the transportation industry as well as the history, development, operations, pricing and legal controls and obligations of firms engaged in transportation services.

GB 360 BUSINESS ETHICS, AND SOCIAL RESPONSIBILITY (3-0-3)(F). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. Designed to enable students to form individual positions on ethical conduct and social responsibility.

GB 441-441G GOVERNMENT AND BUSINESS (3-0-3)(S). Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. PREREQ: GB 202.

GB 450 BUSINESS POLICIES (3-0-3). To develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world-wide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. PREREQ: Senior standing plus MG 301, MK 301, DS 345, FI 303.

MG MANAGEMENT

Upper Division

MG 301 MANAGEMENT AND ORGANIZATIONAL THEORY (3-0-3). Emphasis on conceptual application of management and organizational theory, nationally and internationally. Topics include organizational environments, decision-making, design, technology, leadership, effectiveness, and information and control.

MG 305 PERSONNEL ADMINISTRATION (3-0-3)(F/S). The functions of personnel administration—human resources, planning, procurement, development, utilization, and compensation—with an emphasis on the interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered (e.g., OSHA, Fair Employment Regulations, etc.). PREREQ: MG 301 or PERM/INST.

MG 317 SMALL BUSINESS MANAGEMENT AND ENTREPRENEURSHIP (3-0-3)(F/S). Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. PREREQ: MG 301.

MG 330 LABOR LAW (3-0-3)(F). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanism of conflict resolution are discussed.

MG 340 LABOR RELATIONS (3-0-3)(F/S). History, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important concept and terminology in labor-management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made.

MG 401 ORGANIZATIONAL BEHAVIOR (3-0-3). Emphasis on action skills useful for managers. Topics include managing of self, communicating, motivating, innovating, managing a group, using of formal and social power, persuading, and dealing with uncertainty. PREREQ: MG 301.

MG 405 ADVANCED MANAGEMENT (3-0-3)(F/S). Focusing on contemporary issues in management, this course includes such topics as management of change, organizational development, the use of computer technology in management, and improvement of productivity. PREREQ: MG 301.

MG 406 COMPENSATION MANAGEMENT (3-0-3)(F/S). Implementation, administration, maintenance, and control of a comprehensive compensation program. Job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Legislation affecting compensation and unique compensation problems of public employees and employees of transnational enterprises. PREREQ: MG 305 or PERM/INST.

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 PERM/INST.

Department of Marketing & Administrative Services

Business Building, Room 306 Telephone (208) 385-3356

Chairman and Associate Professor: Douglas J. Lincoln; Professors: Clark, Cornwell, Knowlton, Manship, Scudder; Associate Professors: Bounds, Lane, McCain.

Majors offered

Business Education with emphasis in:
 Administrative Services
 Distributive Education
 Shorthand

Marketing
 Marketing-Mid-Management (2-year degree)

Recommended programs

ADMINISTRATIVE SERVICES MAJOR Bachelor of Business Administration Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	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	4
Word Processing, Machine Trans. AS 213	-	2
Electives (Area I)	3	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
Totals	17	15
SOPHOMORE YEAR		
Electives (Area III)	-	4
Introduction to Financial Accounting AC 205	3	-
Introduction to Managerial Accounting AC 206	-	3
Principles of Economics EC 201-202	3	3
Electives (from 2 of 3 Areas)	3	3

Word Processing Applications AS 215	3	-
Statistical Techniques I DS 207	-	3
Introduction to Information Science IS 210	3	-
Legal Environment of Business GB 202	3	-
Totals	18	16

JUNIOR YEAR

Electives (from 2 of 3 Areas)	4	6
Business Communication AS 328	3	-
Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	-	3
Technical Writing for Business AS 338	-	3
Principles of Word Processing AS 315	3	-
Principles of Production Management DS 345	-	3
Totals	16	15

SENIOR YEAR

Records Management AS 309	3	-
Principles of Admin Services AS 310	-	3
Office Management AS 317	-	3
Intermediate Microeconomics EC 303	3	-
Organizational Behavior MG 401	3	-
Business Policies GB 450	-	3
Economics Elective (Upper Division)	-	3
Internship AS 493	3	-
Electives	3	4
Totals	15	16

*Offered by School of Vocational Technical Education.

BUSINESS EDUCATION MAJOR ADMINISTRATIVE SERVICES OPTION Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	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	4
Electives (Area I)	3	3
Electives (must be from 2 of 3 Areas)	3	3
Totals	17	16
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	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	18	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
Principles of Admin Services AS 310	-	3
Office Management AS 317	-	3
Principles of Production Management DS 345	-	3
Money and Banking EC 301	3	-
Totals	18	18

College of Business

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	-	8
Reading in the Content Subjects TE 307	3	-
Totals	15	14

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.

*Offered by School of Vocational Technical Education.

MARKETING MAJOR Bachelor of Business Administration

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101-102	3	3
*General Psychology P 101	-	3
Mathematics M 105-106 or M 111-204	4	4
**Electives (Area I)	3	3
**Electives	-	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
*Introduction to Sociology SO 101	3	-
Totals	16	16

SOPHOMORE YEAR

Introduction to Financial Accounting AC 205	3	-
Introduction to Managerial Accounting C 206	-	3
Principles of Economics EC 201-202	3	3
Legal Environment of Business GB 202	3	-
Introduction to Information Science IS 210 ...	-	3
Physical or Biological Science Electives (Area III)	4	-
Elective	-	3
Statistical Techniques I, II DS 207, 208	3	3
Totals	16	15

JUNIOR 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	-	6
**Electives	3	-
Intermediate Marketing Management MK 320	-	3
Principles of Production Management DS 345	-	3
Business Communication AS 328	3	-
Totals	18	15

SENIOR YEAR

Advanced Marketing Management MK 425	-	3
Marketing Electives	6	-
Business Policies GB 450	-	3
Marketing Research MK 415	3	-
**Electives	5	9
Economics Electives (Upper Division)	3	-
Totals	17	15

*Counts as part of the 6 hour area II requirement other than Economics.

**At least 16 hours of electives must be outside of the College of Business. The 16 hours must include hours from at least 2 of the 3 defined Areas I, II, and III. Fundamentals of Speech Communication counts as 3 of these 16 hours.

MARKETING—MID-MANAGEMENT MAJOR** Associate of Science

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Introduction to Business GB 101	3	-
Math or Information/Decision Science Mathematics (Area III) M 105-106	4	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	2
Elements of Management MM 105	3	-
Fundamentals of Speech Communication CM 111	3	-
Totals	17	15

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 206	3	3
Retail Merchandising MM 204	3	-
General Psychology P 101	-	3
Mid-Management Practicum MM 100	2	2
Electives	2	5
Totals	16	16

**For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing and Administrative Services.

Course offerings

AS ADMINISTRATIVE SERVICES

Lower Division

AS 213 WORD PROCESSING/MACHINE TRANSCRIPTION 92-0-2)(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 III).

AS 215 WORD PROCESSING APPLICATIONS (3-0-3)(F/S). Computerized document creating. Emphasis on creation, storage, and information processing applications. COREQ: OF 104 (Typing III).

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)(S). 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)(S). 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 learner. 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 PERM/INST.

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

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, supervision and follow-up of students in training stations. Responsibilities of good public relations, organization, maintenance, and utilization of advisory committees. Vocational youth groups, including philosophy, establishment, leadership styles, financing, activities, and contests.

BE 471 BUSINESS STUDENT TEACHING (8-0-8)(F/S). Supervised teaching under the direction of qualified business and teacher-education specialists. **PREREQ:** BE 401 and PERM/INST.

MK MARKETING**Upper Division**

MK 301 PRINCIPLES OF MARKETING (3-0-3)(F/S). Marketing consists of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy; determining the product, price, promotion, and place in a proper mix. **PREREQ:** Junior standing.

MK 306 PROMOTION MANAGEMENT (3-0-3)(F/S). A comprehensive approach to creating and implementing advertising and promotional activities. New issues of consumer research are emphasized and integrated with the promotional mix. The economic and social criticisms of advertising are stressed to insure that managers are aware of the ethical responsibilities inherent in the job. **PREREQ:** MK 301.

MK 307 CONSUMER BEHAVIOR (3-0-3)(F/S). Theories of behavior related to purchase and consumption of goods or services. Individual as well as group reaction in social science research is evaluated. **PREREQ:** MK 301.

MK 320 INTERMEDIATE MARKETING MANAGEMENT (3-0-3)(F/S). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, planning and administering marketing programs. Consumer, industrial, institutional, and international markets considered. **PREREQ:** MK 301.

MK 415-415G MARKETING RESEARCH (3-0-3)(F/S). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project. **PREREQ:** DS 208 and MK 301.

MK 421 SALES ADMINISTRATION (3-0-3)(F/S). Management and integration of sales organizations, emphasizing recruiting, selection, training, supervision, compensation of salesmen. Stress also placed on coordination with other functional managers, ethics and social responsibilities of the sales manager. **PREREQ:** MK 301.

MK 425 ADVANCED MARKETING MANAGEMENT (3-0-3)(F/S). Case and "real world" study of marketing problems. Emphasis on problem definition, recognition of alternative solutions, decision criteria, and defense of a "best" solution. **PREREQ:** MK 320 and MK 415.

MM MARKETING-MID-MANAGEMENT**Lower Division**

MM 100 MID-MANAGEMENT (2-0-2)(F/S). For students enrolled in the mid-management program. Student may earn 2 semester hours credit for a maximum of four semesters. This provides actual experience in retail, wholesale, or service field as a paid employee. Student is evaluated by both the employer and the program coordinator.

MM 101 SALESMANSHIP (3-0-3)(F/S). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesaler, and manufacturer establishments, analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques.

MM 105 ELEMENTS OF MANAGEMENT (3-0-3)(F). Principles of management related to the functions of planning, organizing, staffing, directing, and controlling. Production is not considered. Mid-Management Majors only.

MM 201 CONSUMER MARKETING (3-0-3)(F). The study of activities by which goods and services flow from producer to ultimate consumer. Includes methods, policies, and evaluation of the various marketing institutions according to the function performed.

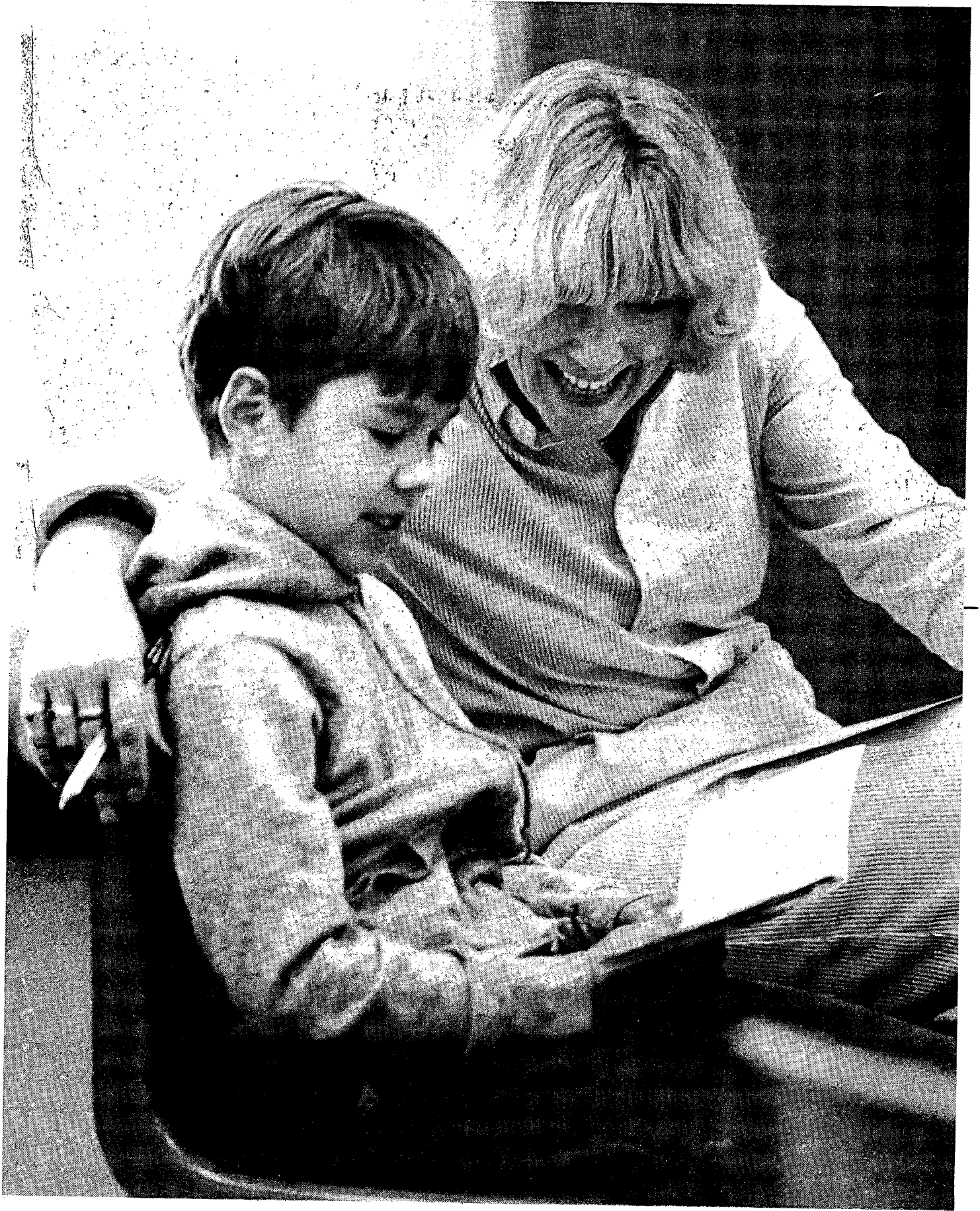
MM 203 PRINCIPLES OF ADVERTISING (3-0-3)(S). Objectives and policies of sales promotion, study of the media, and regulation of advertising. Coordination of display; selling and other merchandising factors. Preparation of copy, illustrations, layout and display.

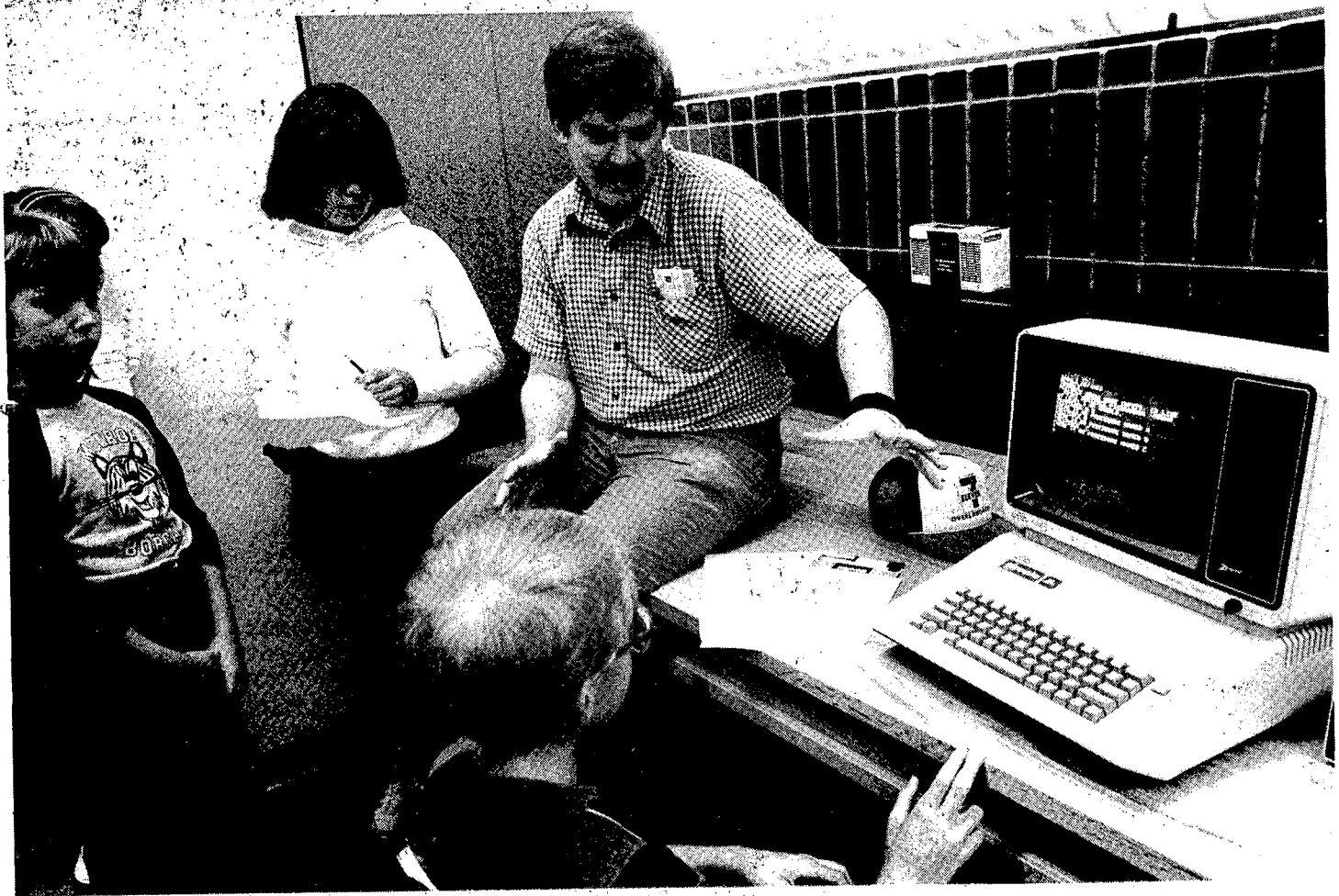
MM 204 RETAIL MERCHANDISING (3-0-3)(F). Merchandise planning and control, expenses, and cost reduction, purchasing for resale, pricing of goods, retail control systems; Mid-management majors only.

MM 206 SUPERVISION OF PERSONNEL (3-0-3)(S). Major emphasis is given to the applied management functions of the first level supervisor. Individual and organizational needs are identified and discussed.

MM 209 REPORT WRITING (3-0-3)(F). Prepares the student to write reports for business situations. Emphasis is placed on actual preparation of reports, research methods, and readability of the finished product. Mid-management majors only.







College of Education

Dean: Richard L. Hart, Ed.D.

Associate Dean: Lamont S. Lyons, Ed.D.

College of Education Emeriti: Burtch, Chatburn, Fairchild, Hill, Marks, McBirney, Smith, Smith

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 Edu-

cation 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 improving adjustment to academic life. Psychological and career 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 telephone, (208) 385-1601, or in person at the Counseling and Testing Center, 6th floor, Education Building.

Department of Health, Physical Education & Recreation

Gymnasium, Room 209

Telephone (208) 385-1570

Chairman and Professor: Bill C. Bowman; *Professors:* Button; *Associate Professors:* Lewis, Murray, Vaughn; *Assistant Professors:* P. Bowman, Boyles, Connor, Fahleson, Pfeiffer, Spitzer, Thorngren, Wallace; *Instructor:* Miller; *Special Lecturers:* Carringer, Collins, Craner, Hampton, Head, Shaver, Van Wassenhove, Welker, Young; *Educational Consultants:* Jacoby, Priest, Wade, Young.

Majors offered

Physical Education, Secondary Education
Physical Education, Non-Teaching Option

Department Statement

The undergraduate professional preparation programs of the Department of Health, Physical Education and Recreation lead to a Bachelor of Science degree in Physical Education. The two options in major degree programs have the following purposes:

1. Secondary Education Option—for those who wish to qualify for teacher certification.
2. Non-Teaching Option—for those who wish to prepare for physical education related careers which do not require teacher certification.

Three supporting fields, or broad divisions within the total professional preparation program, are also available:

1. School Physical Education—Areas of emphasis generally related to public school physical education instruction.
2. Sport Science—Areas of emphasis generally related to organized competitive athletics at all levels.
3. Commercial/Industrial Physical Education—Areas of emphasis generally related to private—commercial or industrial physical education related professions.

Areas of emphasis—areas with major curriculum requirements in addition to a common core—are provided for various combinations of major and supporting field:

1. Physical Education Grades K-6—For those who wish to become elementary school physical education specialists.
2. Physical Education Grades 7-12—For those who wish to become junior/senior high school physical education specialists.
3. Health Education—For those physical education majors who wish a strong minor in health education and who meet certification standards for physical education and health teachers.
4. Corrective/Adaptive Physical Education—For those who interests are in developing and implementing physical education programs for special populations such as the mentally retarded, physically disabled, socially and emotionally maladjusted or deviant and for the elderly.
5. Athletic Coaching—For those who wish to have special preparation for public school or college coaching careers.
6. Athletic Training—For those who wish to prepare for National Athletic Trainers Association Certification Examination and qualify for positions as athletic trainers in public schools, college or professional sports or sports medicine clinics.
7. Biomechanics - For those who wish to develop an improved understanding of the mechanical bases of human movement; for coaching, research or preparation for graduate school.
8. Exercise Physiology—For those who desire a physical education degree with a strong emphasis in the biological sciences as preparation for graduate school or for employment in fitness related fields.

9. Sport Communication—For those who wish to prepare for employment as sports information directors, sports broadcasting, etc.
10. Commercial Fitness—For those who wish to prepare as fitness experts in commercial fitness centers.
11. Industrial Fitness—For those who wish to develop and implement total fitness programs connected with industrial companies and corporations.
12. Business—For those who wish to prepare for an organizational or administrative position in a physical education related field.

Minor fields of interest are 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 or socially deviant; etc.

Department Admission Requirements

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.
2. The student must have completed each of the following classes with a grade of C or better. (Application may be made whenever the student is enrolled in the last of the courses listed.)

PE 100	Health Education	E 101	English Composition
PE 101	Foundations of PE	E 102	English Composition
PE 113	Rhythmic Skills	P 101	General Psychology
PE 115	Tumbling Skills		
PE 117	Sports Skills		
PE 122	Advanced First Aid		
PE 205	Human Growth and Development		
PE 230	Anatomical Kinesiology and Lab		
Z 111	Anatomy and Physiology		
Z 112	Anatomy and Physiology		

3. The student's overall GPA at the time of application will determine acceptance to upper division standing as indicated below.
 - a. 2.50 or above = unconditional acceptance
 - b. 2.00 to 2.49 = provisional acceptance
 - c. below 2.00 = denial
4. In addition, each PE Department faculty member will have an opportunity to submit, in writing, recommendations as well as reservations regarding:
 - a. the student's involvement in professional activities (e.g., the PE Major's Club, departmental projects, etc.);
 - b. the student's skill level, considering both academic and physical skills; and
 - c. the student's commitment to becoming a professional physical educator.

Such letters must be signed by the faculty member and will be kept in the student's file available to the student upon request.

The Selection Committee will review each application file and the student will be granted unconditional acceptance, provisional acceptance or denial of upper division standing.

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. Students receiving denial status should reconsider their 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.



Degree requirements

**PHYSICAL EDUCATION, SECONDARY EDUCATION
PHYSICAL EDUCATION, NON-TEACHING OPTION
Bachelor of Science Degree**

GENERAL UNIVERSITY REQUIREMENTS

English Composition E 101-102	6
Area I Core	12
Area II Core	12
Area III Core	12
Area II-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
Microcomputers in PE PE 284	3
Secondary School PE Methods PE 304	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

Additional required or approved elective physical education courses for each supporting field Minimum 11

Additional required or approved elective cross-disciplinary courses for each supporting field Minimum 11

Teacher Education Certification requirements for some areas of emphasis 21-28

Required or approved elective cross-disciplinary courses for non-teaching option 21-28

Total credits required for graduation (Minimum) 128

NOTE: P 101, Z 111-112, P 312, H 207 and CM 111 or CM 311 are required of all graduates.

Recommended program

**PHYSICAL EDUCATION, SECONDARY EDUCATION
PHYSICAL EDUCATION, NON-TEACHING OPTION**

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
	32

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 PE 304	3
Approved Supporting Field Electives	7
Area I Core	3
Area II Core	3
Area III Core	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

College of Education

Area III Core	4
General Electives	2
	31

Course 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, psycho-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, (locomotor, non-locomotor, 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/S).** Instruction in actual clinical aspects of campus athletic training programs, emphasizing observation and practical application.
- PE 121 STANDARD FIRST AID & CPR (1-2-1)(F/S).** 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/S).** Instruction in wounds, shock, poisoning, heat and cold injuries, skeletal injuries, water rescue, CPR extrication, 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 143 VOLLEYBALL (0-2-1).** Professional activities. Instruction and practice in volleyball, emphasizing fundamentals, strategy, conditioning and practical application.
- PE 144 BASKETBALL (0-2-1)(F/S).** Professional activity. Instruction and practice in basketball, emphasizing fundamentals, strategy, conditioning and practical application.
- PE 203 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/S).** 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 230 ANATOMICAL KINESIOLOGY (2-2-3)(S/F).** Instruction in structure and motion capabilities of the human musculoskeletal system, analysis of movement, muscular forces and surface anatomy. Required of all PE majors PREREQ: Z 111, 112.
- PE 236 INTRODUCTION TO ATHLETIC INJURIES (2-0-2)(F/S).** Instruction in athletic training care, prevention and rehabilitation. The role of the athletic trainer, qualification and responsibilities as they relate to physical education and athletics; control and care of injuries. PREREQ: PE 230.
- PE 254 SPORT OFFICIATING (2-0-2)(S).** 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 life-saving 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 (1-2-2)(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 284 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F/S). An introduction to the use of microcomputers in physical education and allied disciplines. The course includes BASIC programming, selection and evaluation of hardware and software, and unique computer applications for physical educators.

PE 293 INTERNSHIP (1-3 credits)(F/S). 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.

Upper Division

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 programming and education. Progressive health topic sequence with health related individual and social problems. Methods of teaching health. Junior standing. PREREQ: PE 100.

PE 309 EVALUATION IN PHYSICAL EDUCATION (3-0-3)(F/S). Instruction in basic mathematical concepts related to statistical analysis, philosophy of evaluation and test construction, administration and interpretation. Required of all PE majors. PREREQ: Junior standing.

PE 310 EXERCISE PHYSIOLOGY (2-2-3)(F/S). 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 BIOMECHANICS (2-2-3)(F/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 230.

PE 313 CONDITIONING PROCEDURES FOR SPORTS (1-2-2)(F/S). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis and prescription. PREREQ: PE 310.

PE 319 COACHING FOOTBALL (2-2-3)(F). Instruction in methods of coaching football, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 320 COACHING WRESTLING (2-2-3)(S). 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 BASKETBALL (2-2-3)(F). Instruction in methods of coaching basketball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 324 COACHING BASEBALL (2-2-3)(S). Instruction in methods of coaching baseball, 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 326 COACHING TENNIS (2-2-3)(S). Instruction in methods of coaching tennis, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing. Offered in spring on even numbered years.

PE 327 COACHING TRACK AND FIELD (2-2-3)(S). Instruction in methods of coaching track and field emphasizing fundamentals, conditioning, meet organization and administration 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 (2-0-2)(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/S). 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, pres-

Lower Division

cription and methods of implementing fitness programs for special populations. PREREQ: Junior standing, PE 361.

PE 401G PSYCHOLOGY OF ACTIVITY (3-0-3)(F/S). 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 (2-0-2)(F). Instruction in theory and application of various therapeutic modalities for care and treatment of athletic injuries, emphasizing cryotherapy, thermal therapy, 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 quackery awareness, consumer protection laws and organizations and health insurance considerations. PREREQ: Junior standing. Offered in the 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.

PE 422 INJURY EVALUATION (2-0-2)(F). Instruction in theory and application of basic passive and functional examination of traumatic conditions resulting from sports participation, emphasizing specific examination techniques. Offered in the fall on odd numbered years.

PE 430 COACHING-NATURE OF THE PROFESSION (2-0-2)(F/S). Nature of the coaching profession with emphasis on the functions of the coach in the inter-scholastic athletic program. PREREQ: PE 304.

PE 433 LEISURE COUNSELING (2-0-2)(S). Instruction in meeting needs of a more free-time society through fitness, social, artistic, community and learning activities. Offered in the spring on even numbered years.

PE 451 ADAPTED PHYSICAL EDUCATION (3-0-3)(S). Survey of common differences and divergencies of people, emphasizing analysis of conditions, program development, and teacher responsibility. PREREQ: PE 230, 310.

PE 457 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3-0-3)(F/S). Instruction in organization and administration of school physical education, health education, commercial/industrial, and sports programs. Required of all PE majors. PREREQ: Junior standing.

PE 481 FACILITIES AND EQUIPMENT (2-0-2)(S). Instruction in physical education and athletic facility and equipment care and planning, emphasizing needs, codes, materials, space requirements, equipment and supply purchase and care and computer programming.

PE 493 INTERNSHIP IN PHYSICAL EDUCATION (1-6 Credits)(F/S). 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. PREREQ: Coaching methods class. PE 230, 310.

FA FITNESS ACTIVITY

The Fitness Activity Program provides for beginning, intermediate and advanced levels of instruction in a variety of activities to meet the needs and interests of the student. The courses meet two hours per week for one semester. One credit will be granted for successful completion of the course. Eight credits of fitness activity courses may be counted as electives toward graduation. No course may be repeated for credit*. No fitness activity course may be challenged for credit. All fitness activity courses are graded pass/fail whereby credit earned will count toward graduation but will earn no quality points to be used in calculation of the grade point average. Fitness activity course numbers provide the following information:

1. The first digit indicates skill level (I, II, III):

LEVEL I courses are designed for the beginner who has had little or no instruction in the activity.

LEVEL II is for the individual who has command of basic skills and is of intermediate performance level.

LEVEL III is for the individual who has command of intermediate skills and is ready for emphasis on advanced game strategies and skills.

2. The second digit indicates the activity classification (1—aquatics, 2—dance, 3—individual sports, 4—martial arts, 5—outdoor pursuits, 6—personal fitness, 7—racquet and court sports, 8—team sports, 9—participation sports).

3. The third digit indicates the specific activity (example: 1—kayaking, 2—skin and scuba diving, etc.)

*FA 162 Adapted Physical Education may be repeated for credit.

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 water, and 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, coordination, 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, foxtrot, western swing, chacha, samba, tango, folk, square, round dances, and mixers. (Pass/Fail).

FA 131 ARCHERY I (0-2-1). Provides the beginning archery students with instruction and participation in fundamental techniques of archery; target, field, clout, bow hunting, novelty, etc. (Pass/Fail).

FA 133 BOWLING (0-2-1). Instruction and participation in bowling for development of fundamental skills, rules, handicaps, and scorekeeping. Special fee required. (Pass/Fail).

FA 134 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/Fail).

FA 142 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 conservation. Exercises coordinating the mental and physical powers, possessed by every human being. Gi required. (Pass/Fail).

FA 144 SELF-DEFENSE I (0-2-1). Defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Improvement of coordination and condition of the participant. Gi required. (Pass/Fail).

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 catching and releasing of warm water, cold water, and anadromous fishes. Students furnish equipment and transportation. (Pass/Fail).

FA 155 FLYTYING I (0-2-1). A practical orientation and application of flytying skills, for the beginning or experienced fly tier. The course will focus on tying dry and wet flies, nymphs, bucktails, and streamers. Special fee required. (Pass/Fail).

FA 156 TRAP AND SKEET SHOOTING I (0-2-1). A course in fundamental skills of shotgun shooting. Sighting procedures, gun parts, care of equipment, and safety are stressed. Shotgun trap loading is also taught. Students will furnish shotgun, shells, and trap range fees. (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 to 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 pretested 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/distress theories; in-depth practice of Hatha Yoga ostures: in-depth breath control (abdominal breath.) (Pass/Fail).
- FA 171 BADMINTON I (0-2-1).** Instruction and participation in badminton to encourage skill development, understanding, and appreciation of the game. (Pass/Fail).
- 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 team 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/Fail).
- FA 191 VARSITY SPORTS I (0-2-1).** Instruction and participation in 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 skills 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/Fail).
- FA 223 MODERN DANCE II (0-2-1).** Instruction and participation in intermediate modern dance for development of flexibility, balance, coordination and movement, control leading to dance choreography and production work. PREREQ: FA 123 (Pass/Fail).
- FA 224 SOCIAL DANCE II (0-2-1).** Instruction and participation in social dance for development in the waltz, chachá, fox trot, rhumba, tango, lindy, western swing, folk, square, and various novelty dances. (Pass/Fail).
- FA 233 BOWLING II (0-2-1).** Instruction and participation in bowling for development of intermediate skills and techniques. Special Fee required. PREREQ: FA 133 (Pass/Fail).
- FA 235 GOLF II (0-2-1).** Instruction and participation in golf for development of intermediate skills and techniques. Special fee required. PREREQ: FA 135. (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. Gi 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 265 WEIGHT TRAINING II (0-2-1).** Instruction and participation in progressive body-building 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. 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 student Senate. Club advisor's approval required. (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 body-building 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 Building, Room 629

Phone (208) 385-1207

Chairman and Professor: John L. Phillips; *Professors:* Barsness, Dodson, Ison, Smith, Snow; *Associate Professors:* Chastain, Downs, Nelson, Steger, Wilkinson.

Majors offered

Psychology

Special Information for Students

- 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) preparation for more specialized training in professional or academic psychology or in some related field.
- 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.
- 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.

Degree requirements
PSYCHOLOGY MAJOR
Bachelor of Arts or Bachelor of Science

1. Lower Division

a. Psychology (see Area II below)	15-18
Area I	3-6
English Composition	12
Core courses:	
Literature	3
Second Area I Field	3
Third Area I Field	3
Any Area I Field	3
Non-core Courses	0
b. Area II	18
Core Courses	12
General Psychology P 101	3
History	3
Third Area II field	3
Any Area II field	3
Non-core courses:	6
Psychological Psychology P 225	3
Introduction to Practice of Psych P 201	3
c. Area III	16
Core Courses	12
Intermediate Algebra M 108	4
App Stat with the Computer M 120	4
Concepts of Biology B 100	4
Non-core courses	4
Concepts of Human Anatomy and Physiology Z 107	4
d. Additional core courses, any area	9

2. Upper Division

a. Psychology	25
Statistical Methods P 305	3
Experimental Psychology P 321	4
Psychological Measurement P 421	3
Learning P 441	3
Systems Seminar	3
Electives in Psychology	5
b. Upper Division Electives	15

3. Free Electives 27-30

PSYCHOLOGY REQUIREMENTS FOR CERTIFICATION BY STATE DEPARTMENT OF EDUCATION

Psychology Minor

P 101 General Psychology	3
P 301 Abnormal Psychology	3
P 305 Statistical Methods	3
P 351 Personality	3
Psychology upper-division electives	9
Total	21

Social Science Secondary Education Option Major

P 101 General Psychology	3
P 301 Abnormal Psychology	3
P 351 Personality	3
Psychology upper-division electives	6
Total	15

Recommended program

PSYCHOLOGY MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102*	3	3
Area I**	3	3
Concepts of Biology, B 100*	4	-
Concepts of Human Anat & Physiol Z 107*	-	4
History of Western Civ., HY 101 & 102	3	3
General Psychology, P 101*	3	-

Electives	-	3
	16	16

SOPHOMORE YEAR

Literature**	3	3
Intermediate Algebra, M 108*	4	-
Applied Stat for the Computer, M 120*	-	4
Physical and Cultural Anthro, AN 101-102	3	3
Physiological Psychology, P 225*	3	-
Intro to Prac of Psychology, P 201*	-	3
Core Electives**	3	3
	16	16

JUNIOR YEAR

Statistical Methods, P 305*	3	-
Experimental Psychology, P 321*	-	4
Child Psychology, P 311	3	-
Adolescent Psychology, P 312	-	3
Perception, P 341	-	3
General Electives	10	6
	16	16

SENIOR YEAR

Psychological Measurement, P 421*	3	-
Experimental Research Learning, P 441*	4	-
Systems Seminar, P 489*	3	-
Abnormal Psychology, P 301	-	3
Personality, P 351	3	-
Social Psychology, P 431	-	3
General Electives	-	10
	16	16

*Specifically required
**Select from list of courses approved for the Core.

Course offerings

P PSYCHOLOGY

Lower Division

P 101 GENERAL PSYCHOLOGY (3-0-3)(AREA II). An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions, and behavioral problems. An overview of scientific methodology is provided.

P 151 CAREER AND LIFE PLANNING (3-0-3)(F/S). Three weeks to each of the following areas: knowing self, the world of work, identifying resources, actual career planning and proposed implementation of career and life plans. Students are expected to participate through interviews, visitations and by arranging for resources pertinent to classroom activities. Pass/fail. Limited enrollment.

P 161 ASSERTIVENESS TRAINING (3-0-3). This course is designed to improve the communication skills of those who are experiencing difficulty in expressing their feelings and opinions openly, honestly, and constructively to others. Group techniques will include training films, behavioral rehearsals, and role-playing. Pass/fail. Limited enrollment.

P 201 INTRODUCTION TO PRACTICE OF PSYCHOLOGY (3-0-3)(S). An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designed for psychology majors but others accepted if they have completed the introductory course. PREREQ: P 101.

P 225 PHYSIOLOGICAL PSYCHOLOGY (3-0-3)(F). A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion, and learning are studied from this point of view. PREREQ: P 101, Z 107.

P 261 HUMAN SEXUALITY (3-0-3)(F/S). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual dysfunction, sex role development, and sexual deviation. Cross cultural values will be examined, and a values clarification unit will be included.

P 291 DEATH: A CONFRONTATION FOR EVERYONE (3-0-3)(F). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living.

Upper Division

(Note: Upper Division Psychology courses are saved for Upper Division students.)

P 301 ABNORMAL PSYCHOLOGY (3-0-3). A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. PREREQ: P 101.

P 305 STATISTICAL METHODS (3-0-3)(F/S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and analysis of variance. PREREQ: P 101, High School Algebra.

P 311 CHILD PSYCHOLOGY (3-0-3). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental actors, to normal growth patterns, and to problem areas. PREREQ: P 101.

P 312 ADOLESCENT PSYCHOLOGY (3-0-3). Chronologically a continuation of child psychology P 311; the special conditions of adolescent growth and adjustment will be emphasized in the course. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. PREREQ: P 101.

P 321 EXPERIMENTAL PSYCHOLOGY (2-4-4)(F/S). 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.

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. Present day research and findings 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 353 PSYCHOANALYTIC PSYCHOLOGY (3-0-3)(F). Human emotion and motivation from the points of view of Freudian theory and its derivatives. Suggested companion course P 351. PREREQ: P 101. Fall of even numbered years.

P 357 PEER COUNSELING: THE HELPING RELATIONSHIP (3-0-3)(F/S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially video taping and group activities. Limited enrollment. PREREQ: P 101.

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). This course will examine sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101 or SO 101.

P 401 SENIOR REVIEW PRACTICUM (0-3-3)(F/S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with an upper division GPA above 3.0 and PERM/INST.

P 405 ADVANCED STATISTICAL METHODS (3-0-3)(S). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measure designs) and related trend tests, multiple comparison tests, and multiple correlation techniques. Preference to psychology majors who are planning to go on to graduate school. PREREQ: P 305.

P 421G PSYCHOLOGICAL MEASUREMENT (3-0-3)(F). An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. PREREQ: P 101 and P 305.

P 431 SOCIAL PSYCHOLOGY (3-0-3)(F/S). 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 both. PREREQ: SO 101, P 101.

P 435 PSYCHOLOGY OF MOTIVATION (3-0-3)(F/S). Survey of experimental and theoretical studies of motivation in humans and animals. PREREQ: P 101 and P 305.

P 441 LEARNING (3-0-3)(F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. PREREQ: P 101 and P 305. P 321 may be taken before or concurrently with P 441.

P 489 SYSTEMS SEMINAR (3-0-3)(S). Theories and controversies in American Psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. PREREQ: Senior standing in Psychology.

P 495 SENIOR THESIS (0-3-3)(F/S). An individual research project in psychology selected by student. Proposal must be approved by instructor before enrolling. Recommended projects are those which will contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. PREREQ: P 101 and P 321, PERM/INST.



Department of Teacher Education & Library Science

Education Building, Room 205

Phone (208) 385-3602

Chairman and Professor: Kenneth L. Hill; *Professors:* Beitia, Bieter, Bowman Bullington, Dahlberg, Edmundson, Frederick, Friedli, Hart, Hill, Jensen, Kirtland, Lambert, Sadler, Singh, Waite, Young; *Associate Professors:* French, Hoge, Munns, Pearson; *Assistant Professors:* Bäuwens, Collins, Fuhriman, Hansen, Jensen; *Instructor:* Herrig.

Coordinator of Foreign Languages and Assistant Professor: Jay Fuhriman; *Professors:* Jocums, Valverde; *Associate Professor:* Robertson.

Majors offered

Elementary

Elementary Education

Elementary Education, Bilingual-Multicultural

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.

Department Statement

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.

Department Admission Requirements

Admission to Teacher Education: 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 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 may take any upper division courses in Teacher Education. Provisional admission is possible for students who have degrees and are working toward certification only.

General requirements for admission to Teacher Education for elementary and secondary candidates shall be determined and implemented by the Department. These requirements include:

1. Filing of the Admission to Teacher Education.
2. A minimum grade of C in TE 201 Foundations of Education, or its equivalent.
3. 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.
4. Passing grade in basic skills test administered through the Department.

Any deviations from the preceding policy must be approved by the Chairman of the Department.

Admission to Student Teaching: An application for a specific student teaching assignment must be filed with the Office of Field Services, Department of Teacher Education and Library Science, by the following deadlines:

1. February 15 of the Junior year for fall secondary student teachers and fall/spring elementary student teachers.
2. October 1 of the Senior year for spring secondary student teachers and spring/fall elementary student teachers.

Application forms may be picked up from the Office 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.**

General requirements for admission to student teaching for elementary or secondary candidates include:

1. ELEMENTARY MAJORS

- a. Admission to Teacher Education.
- b. Recommendation by the faculty advisor or Department chairman.
- c. A cumulative grade point average of 2.50.

- d. Elementary Curriculum and Methods, TE 451, 452, taken concurrently with or prior to student teaching.
- e. Student teaching to be completed during 2 consecutive semesters.
- f. Senior Standing.
- g. A minimum of "C" in the following courses: MU 101, M 103, M 104, TE 208, and TE 291.

NOTES: An early Childhood course must be taken prior to or concurrently with Student Teaching in a Kindergarten Classroom. And no student will be allowed credit towards his/her major department requirements for any grade of "D."

2. SECONDARY OPTIONS

- a. Admission to Teacher Education.
- b. Completion of an Early School Experience.
- c. Recommendation by the faculty advisor or the Department chairman.
- d. A minimum grade point average of 2.50 in the major field, minor field if applicable, and the Education courses completed.
- e. A minimum cumulative grade point average of 2.50.
- f. Minimum grade of C in TE 381, Secondary School Methods, and the appropriate class or classes in Special Methods for the teaching area.
- g. Senior standing.
- h. Sufficient credit hours in the assigned teaching area.

3. NOTE FOR BOTH

Deviations from the above requirements must be approved by the department chairman.

Special Information for Students

1. 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.
2. 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.
3. Any student may be dismissed from a program leading to certification if he or she is found guilty of any offense which would be grounds for revocation or denial of an Idaho teaching certificate, including conviction in a court of law of an offense other than a minor traffic violation. Questions regarding this section should be addressed either to the Coordinator of Field Experiences (Education Building, Room 305) or the Dean of the College of Education (Education Building, Room 705).
4. Student Teaching can only be taken once (refer to PART II of this Catalog: ACADEMIC INFORMATION—Academic Regulations.)

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 for Students

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.

Degree requirements

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
 - a. English Composition E 101-102 3-6
Note: E 101 may be exempt
 - b. Area I Requirements 12
Literature (to include American Lit E 271 or 272) 6
Second and Third Field Electives (see core requirements) 6
NOTE: Choose Second and Third Field Electives from Art, Humanities, Music, Philosophy, Theatre Arts and Foreign Language (201 level or higher).
 - c. Area II Requirements 18
U.S. History (HY 151 or 152 suggested) 3
Geography (GG 101) or (GG 102) 3
Psychology (P 101) 3
Oral Communication (CM 311 suggested) 3
Area II Soc Sci SO 230 or AN 102 3
Area II Elective - Econ or Polit Sci 3
NOTE: For certification purposes, Elementary Education majors must complete a total of 12 semester hours in Social Science areas other than Psychology and Communication.
 - d. Area III Requirements 12
See University Core Requirements. NOTE: Elementary Education majors must have courses in both Biological and Physical Sciences.

2. Professional Education Requirements
 - Intro to Teaching I TE 171 1
 - Mathematics for Elem Teachers M 103-104 8
 - Music Fundamentals MU 101 2
 - Foundations of Education TE 201 3
 - Intro to Microcomputer in Classroom TE 208 3
 - Intro to Teaching II: Instr Experience TE 271 1
 - Education of the Exceptional Child TE 291 3
 - Teaching Beginning Reading, K-3 TE 305 3
 - Teaching Intermediate Reading, 4-6 TE 306 3
 - Music Methods for the Elem School Teacher MU 371 2
 - Elementary School Art Methods AR 321 3
 - Elementary School Physical Educ PE 361 3
 - Children's Literature TE 316 3
 - Educational Psychology P 325 3
 - Child Psychology P 311 3
 - Elem Curriculum & Methods I TE 451 6
 - Elem Curriculum & Methods II TE 452 6
 - Classroom Management Skills TE 457 2
 - Elem Student Teaching TE 471 5
 - Elem Student Teaching TE 472 OR
 - Student Teaching in Special Educ TE 473 5

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR
Bachelor of Arts Degree

NOTE: Completion of this degree as outlined in this catalog qualifies the student to receive a Standard Elementary Teaching Certificate from the State of Idaho, thus enabling him/her to teach in a regular or Bilingual elementary classroom.

LANGUAGE COMPONENT
Spanish Section

- Intermediate Spanish (Area I) S 201 4
- Intermediate Spanish (Area I) S 202 4
- Advanced Spanish S 303 3
- Advanced Spanish S 304 3
- Total 14

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 3
- Introduction to Language Study LI 305 3
- Applied Linguis in Teaching Engl as 2nd Lang LI 407 3

English Section

- English Composition E 101 3
- English Composition E 102 3
- Total 16

Total Hours in Language Component 33

Multicultural Component

- Survey of American Lit (Area I) 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 2
- Total 14

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 2 from Area III) 8
(One must be Physical Science:
GO 100 and PS 100 are recommended)
- Total 20

PROFESSIONAL COMPONENT

General Education Section

- Elementary School Art Methods AR 321 3
- Music Meth for Elem School Teacher MU 371 2
- General Psychology (Area II) P 101 3
- Child Psychology P 311 3
- Elem School P.E. Methods PE 361 3
- Total 14

Teacher Education Section

- Intro to Teach I: Class Observation TE 171 1
- Foundations of Education (Area II) TE 201 3
- Intro to Teach II: Instruc Experience TE 271 1
- Teaching Beginning Reading K-3 TE 305 3
- Teaching Intermediate Reading 4-6 TE 306 3
- Childrens' Literature TE 316 3
- Elementary Curric & Methods TE 451 6
- Elementary Curric & Methods TE 452 6
- Teaching Read & Lang Arts in Biling Class TE 453 2
- Student Teaching in Elem Class TE 474-475 10
- Total 38

Total Professional Component 52

ELECTIVES

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 Motivation & Class Management	
TE 208 Introduction to Microcomputers in Education	
BILINGUAL TEACHER TRAINING TOTAL HOURS	130

Recommended programs

ELEMENTARY EDUCATION MAJOR

FRESHMAN YEAR	Credits
English Composition E 101-102	6
Concepts of Biology (Area III) B 100	4
Physical Science (Area III) PS 100	4
Intro to Teaching I Class Observation TE 171	1
General Psychology P101	3
Area I Electives: Art or Music	3
Area I Third Field Elective	3
Social Science: U.S. History Area II	3
Area II, Geography GG 101 or 102	3
Area II, Economics or Political Science	3
Total	33

SOPHOMORE YEAR

Music Fundamentals MU 101	2
Foundations of Education TE 201	3
Intro to Teaching II: Instr Exper TE 271	1
Intro to Microcomputer in Classroom TE 208	3
Elementary Mathematics for Teachers M 103	4
Elementary Mathematics for Teachers M 104	4
Education of the Exceptional Child TE 291	3
Second Field (E 271 or E 272) Area I	3
Additional Literature Course Area I	3
Social Science: Area II SO.230 or AN 102	3
Elective Area III	4
Total	33

JUNIOR YEAR

Teaching Begin Reading, K-3 TE 305	3
Teaching Intermediate Reading, 4-6 TE 306	3
Children's Literature TE 316	3
Elementary School Art Methods AR 321	3
Elementary School PE Methods PE 361	3
Music Methods for Elementary Teachers MU 371	2
Educational Psychology P 325	3
Child Psychology P 311	3
Speech Comm for Teachers CM 311 suggested	3
Electives	6
Total	32

SENIOR YEAR

FIRST SEMESTER: BLOCK I	
Classroom Management Skills TE 457	2
Elem Curriculum & Methods TE 451	6
Elementary Student Teaching TE 471	5
SECOND SEMESTER: BLOCK II	
Advanced Curriculum and Methods TE 452	6
Elementary Student Teaching TE 472	5
OR	
Student Teaching: Special Education TE 473	—
Electives	6
Total	30

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR

FRESHMAN YEAR	Credits
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
Total	32

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: Instruct Exper 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
Total	31

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
Children's Literature TE 316	3
Identif & Diagnos of LEP Child TE 322	2
Elem School Physical Education PE 361	3
Intro to Multi-Ethnic Studies SO 230	3
Total	34

SENIOR YEAR

Elective	3
Applied Linguistics in Teach ESL LI 407	3
Methods of Teaching ESL TE 456	3
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
Total	33

Total Hours

130

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 Elementary Emphasis

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.

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.

	Credits
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 & Mod 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 Special Educ TE 473	5
Senior Seminar in Elem Special 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 425	3
Curriculum in Early Childhood Educ TE 462	3
Individualizing Instr in Early Childhood Educ TE 464	3
Independent Study of Emotionally Handicapped TE 497	3

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.

	Credits
1. Required Courses (21 Credits)	
Education of the Exceptional Child TE 291	3
Techniques in Student Motivation & Class Mang TE 371	3
Diagnosis of the Handicapped TE 430	3
Teaching the Moderately & Severely Handicapped TE 423G	3
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 Disorde4rs TE 425	3
Behavior Intervention Techniques TE 450G	3
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

SPECIAL EDUCATION Secondary Emphasis

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 Emphasis

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.

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 Engl as 2nd Lang TE 456	-		3
Spanish	I		4-8

Must achieve a 5-202 level proficiency either by taking 100 and 200 level courses or by demonstrating proficiency through examination

Electives 3 credits:

Intro to Multiethnic Studies SO 230	II	3
Spanish for the Content Areas S 305	-	2
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 Childhood Education TE 261	-		3
Curriculum in Early Childhood Education TE 362	-		3
Internship in Early Childhood Education TE 293-493	-		2
Creating Materials in Early Childhood Education TE 465	-		3
Student Teaching Kindergarten TE 472	-		5
Electives 5 credits:			
Infant Education TE 463G	-		3
Diagnosis of Mild/Moderate Handicapped TE 430	-		3
Children's Theatre TA 287	-		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	I		8
Intermediate French F 201-202	I		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	I		8
Teaching Methodology in Forn 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	I		3
Introduction to Literature E 131	-		3
Grammar & Language Use for Teachers TE 216	-		3
Fundamentals of Speech Communication CM 111	II*		3

OR

Speech Communication for Teachers	-	3
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 Folklore & Lit E 219	-	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.

*CM 111 cannot be used by elementary majors for Area II.

MATHEMATICS 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	III	5
A First Course in Programming M 122	-	2
Intro to Computers M 109	-	3

This emphasis requires 21 or 22 hours (depending upon 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	I	3
Elements of Music MU 103	-	2
(In lieu of MU 101)		
Teach Music in Elem Classroom MU 372	-	2
(In lieu of MU 371)		
Private voice lessons (one year)	-	4
Music Ensemble (one year)	-	2
Basic Conducting MU 261	-	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 I 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:

	Area	Credits
Rhythmic Skills PE 113	-	1
Tumbling Skills PE 115	-	1
Sports Skills PE 117	-	1
Human Growth & Motor Development PE 205	-	2
Dance for Children PE 357	-	2
Elem School P.E. 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	-	4
Anatomical Kinesiology PE 230	-	3
Physiology of Exercise PE 310	-	3
School Health Prob & 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 P.E. 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:

	Area	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:

	Area	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:

	Area	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-Ethnic Studies SO 230	II	3
OR		
Cultural Anthropology AN 102	II	3
Contemporary Economic Problems EC 210	-	3
American National Government PO 101	II	3

NOTE: This emphasis requires 24 credit hours, 12 of which may apply to Area II.

SPANISH Elementary Emphasis

Required 19 credits:

	Area	Credits
Elementary Spanish S 101-102	-	8
Intermediate Spanish S 201-202	I	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.

MIDDLE SCHOOL Elementary Emphases

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*	

College of Education

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.

**These emphases will lead to an endorsement on the elementary teaching certificate enabling the candidate to teach the specific subject matter in secondary schools.*

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 and Endorsements for Secondary Education

Certification standards for the State of Idaho are listed in the Bulletin, *Idaho Certification Standards for Professional School Personnel-1983*, as prepared by the Idaho Department of Education.

Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of Baccalaureate degree including Education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the 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 subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

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 requirement:

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

	Single	Composite
Foundations of Education TE 201	3	3
Reading in Content Subjects TE 307	3	3

Educating Exceptional Secondary		
Students TE 333	1	1
Educational Psychology P 325	3	3
Secondary School Methods TE 381	3	3
Special Methods required by Major		
Department	3	3
Student Teacher Alternatives		
(see below)	9	14
Total	25	30

Student Teaching Alternatives

1. Single Alternatives

- a. Junior High-Middle School Student Teaching TE 482 8
The Junior High-Middle School TE 486 1
- b. Senior High School Student Teaching TE 483 8
The Senior High School TE 487 1

2. Composite Alternative

- Composite-Junior High-Mid Sch Student Teaching TE 484 6
The Junior High-Mid School TE 486 1
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.

The major certification endorsements (Secondary Option degree programs) are described in the Catalog under each department. A listing of the Secondary Options follows: Art, Biology, Business Education, Chemistry, Communication, Earth Science, Economics-Social Science Secondary Education, Mathematics, Music, Physical Education, Physics, Political Science-Social Science Secondary Education, Sociology-Social Science Secondary Education, and Theatre Arts.

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 101	3
Cultural Anthropology AN 102	3
Peoples and Cultures of the World AN 311	3
Additional upper division Anthropology	6

Non-Social Science Major

Physical Anthropology AN 1013
 Cultural Anthropology AN 1023
 Introduction to Archaeology AN 1033
 Peoples and Cultures of the World AN 3113
 Additional upper division Anthropology9
 21

ART

Introduction to Art AR 1033
 Basic Design AR 105-1064
 Drawing AR 111, 1122
 Painting AR 113, 1142
 2 hours from Sculpt, Metals, Ceramics, Methods in Craft2
 Electives from 100-400 Regular Courses7
 Suggested Electives: Art History, Lettering Photography,
 Printmaking, Weaving and those listed above-
 20

BIOLOGY

General Biology B 101-1028
 or General Botany BT 130 & Gen Zool Z 1309
 Systematic Botany BT 2014
 Concepts of Anatomy and Physiology Z 1074
 Genetics, Lab B 343, 344 OR Vertebrate Nat Hist Z 3554
 20-21

BUSINESS EDUCATION

(No Minor Certification Endorsement)

CHEMISTRY

100 level General Chemistry Courses8-10
 Organic Chemistry Courses5
 Additional Courses in Analytical, Physical,
 Inorganic or Biochemistry4
 Mathematics to the M 111 Algebra and Trig Level5
 22-24

COMMUNICATION: (Speech)

Fundamentals of Speech CM 1113
 Reasoned Discourse CM 1123
 Interpersonal Communication CM 2213
 Speech-Communication for Teachers CM 3113
 Methods of Teaching Communication CM 4013
 Electives selected from:5
 20

Mass Communication CM 1713
 Oral Interpretation CM 2413
 Communication in the Small Group CM 2513
 Interviewing CM 3072
 Message Analysis and Criticism CM 3313
 Non-Verbal Communication CM 3412
 Intercultural Communication CM 3513

CONSUMER EDUCATION

(See Marketing and Administrative Services Department)

Consumer in the Marketplace HE 2503
 Principles of Economics EC 201-2026
 Personal Finance and Investments FI 1083
 Money and Banking EC 3013
 Basic Marketing Management MK 3013
 Consumer Education in Schools BE 4113
 21

EARTH SCIENCE

Physical Geology GO 1014
 Historical Geology GO 1034
 Introduction to Ocean Geology GO 2013
 Introduction to Meteorology GO 2133
 Introduction to Descriptive Astronomy PH 1054
 Electives selected from:3
 Geology of Idaho & Pacific NW GO 2133
 Mineralogy GO 2214
 Geomorphology GO 3133
 Invertebrate Paleontology Physics of the Earth GO 3513
 Environmental Geology GO 5113
 21

ECONOMICS

Principles of Macroeconomics EC 2013
 Principles of Microeconomics EC 2023
 Intermediate Microeconomics EC 3033
 Intermediate Macroeconomics EC 3053
 Upper Division Economics Courses9
 21

ENGLISH

Advanced Composition E 2013
 Linguistics3
 Survey of Americal Literature E 271 or 2723
 Teaching English Composition E 301 OR
 Methods of Teaching Secondary School English E 3813
 Lower Division Literature E 230, 235, 240, 260, 2153
 Upper Division Literature6
 24

FOREIGN LANGUAGE

French

Required 19 Credits:	Area	Credits
Elementary French F 201-202	-	8
Intermediate French F 201-202	1	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:	Area	Credits
Elementary German G 101-102	-	8
Intermediate German G 201-202	1	8
Teaching Methodology in Forn 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.

Spanish

Required 19 credits:	Area	Credits
Elementary Spanish S 101-102	-	8
Intermediate Spanish S 201-202	1	8
Teaching Methodology in Forn 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 1013
 Cultural Geography GG 1023
 Upper Division Geography (minimum)6
 Geography Courses (minimum)8
 20

GENERAL SCIENCE

Complete the basic sequence of courses in
 B 101-102 or BT 130 and Z 1308-9
 Chemistry C 107, 108, 109, 1109
 Geology GO 101-1038
 Physics PH 101-1028
 33-34

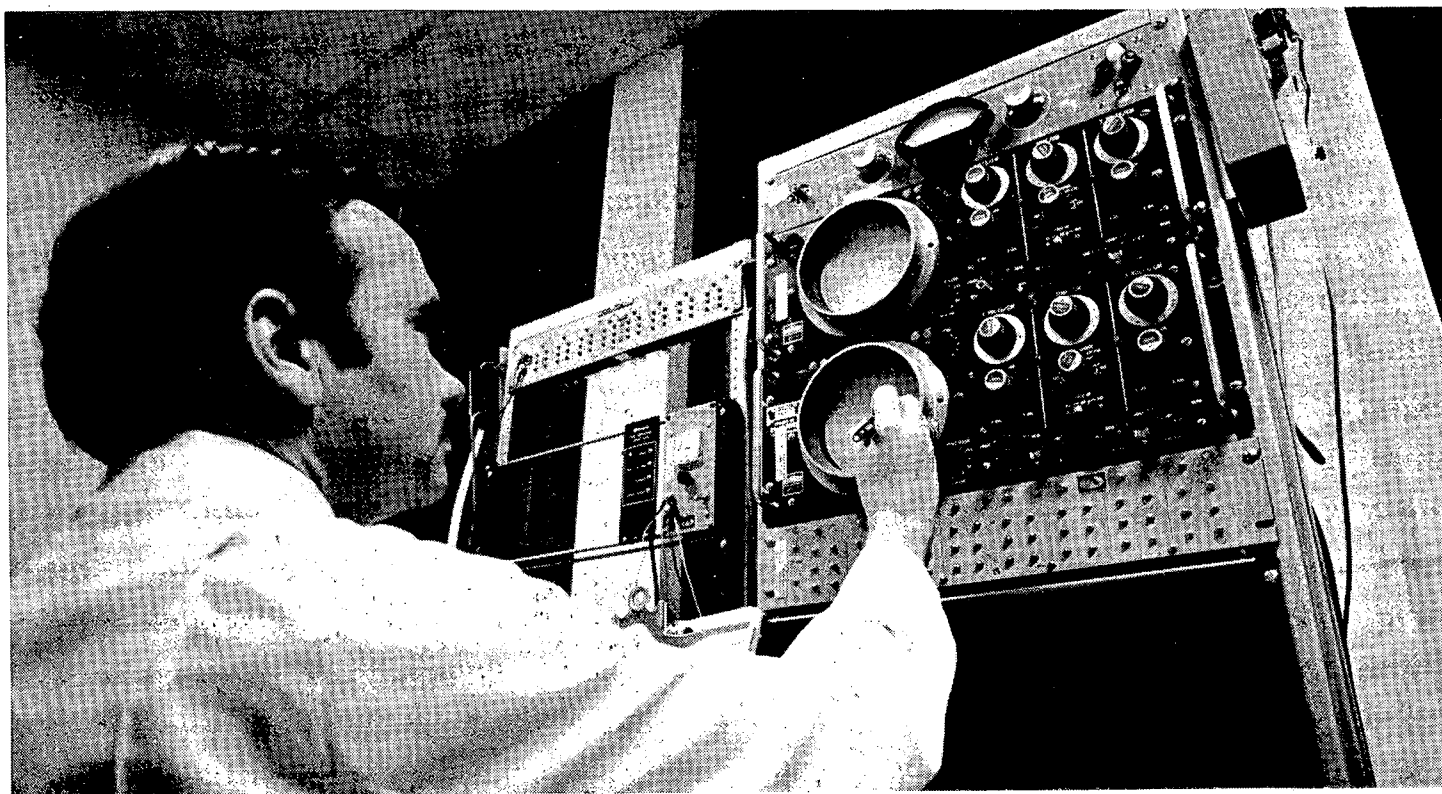
HEALTH EDUCATION

Anatomy and Physiology Z 1074
 Health Education PE 1003
 Advanced First Aid PE 1223

College of Education

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
	24
HISTORY	
Lower Division	12
US History HY 151-152 or Prob in US History	
HY 251-252	6
West Civ HY 101-102 or Prob in West Civ HY 201-202	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 04 3 major History areas (U.S., European, Third World)	12
	24
MATHEMATICS	
Programming Languages M 122 or M 126	2-3
Calculus M 204 or M 211	5
Calculus M 205 or M 212	4-5
At least 1 of the following	3-4
Linear Algebra M 301	4
Introduction to Abstract Algebra M 302	3
Foundations of Geometry M311	3
Fundamentals of Statistics M 361	4
Electives to complete 20 hours	6-3
	20
MUSIC	
Instrumental Track	
Materials of Music MU 119-120	8
Ear Training MU 121-122	2
Introduction to Music MU 133	3
Basic Conducting MU 261	1
Orientation to Music Education MU 271	1
1 year Applied Music	4
1 year Major Performance Ensemble	2
String Instrument Methods & Tech MU 257	2
Woodwind Methods & Tech MU 266	2
Instrumental Conducting MU 366	1
Percussion Methods & Tech MU 368	2
Brass Methods & Tech MU 369	2
Band & Orchestra Methods & Materials MU 387	2
	32
Choral Track	
Materials of Music MU 119-120	8
Ear Training MU 121-122	2
Vocal Techniques MU 256	3
Basic Conducting MU 261	1
Orientation to Music Education MU 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
	30
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
Rhythmic 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	1
OR	
Elementary School P.E. Methods PE 361	3
Coaching Methods PE 3--	3
Internship in P.E. PE 493	3
Total	19
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 FA 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
Coaching—The Nature of the Profession PE 430	2
PHYSICS	
General Physics PH 101-102	8
Introduction to Descriptive Astronomy PH 105	4
Technical Drawing EN 101 OR	
Engineering Graphics EN 108	2
Computer Programming EN 104 or EN 107 or M 122	2 or 3
Math Skill Equivalent to M 111	5
	21-22
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
	21
PSYCHOLOGY	
General Psychology P 101	3
Abnormal Psychology P 301	3
Statistical Methods P 305	3
Personality P 351	3
Psychology Upper Division Electives	9
	21
SOCIOLOGY	
Introduction to Sociology SO 101	3
Social Statistics SO 310	3
Social Research SO 311	3
History of Sociology SO 401 OR	
Current Sociological Perspectives SO 402	3
Sociology Electives	9
	21
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
	21



Course offerings

FL FOREIGN LANGUAGE

NOTE: Most Foreign Language Courses require a lab fee.

Upper Division

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 French 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, conversation lab and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 101-P 102-P PROGRAMMED ELEMENTARY FRENCH (V-V-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)(F/S)(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 303 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course, conducted in French, provides the matrix for enlarging one's French vocabulary and structure, and for speaking and writing French fluently. There will be discussions of the practical realities of the French speaking world concentrating on the common and high frequency expressions of the language. Essays based on class discussion will be written regularly. PREREQ: F 202 or PERM/DEPT. Alternate years.

F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course has similar objectives as F 303. Discussions and essays will concentrate on the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings, style imitations and personal essays. PREREQ: F 202 or PERM/DEPT.

F 328 LECTURES AVANCEES DE LA POESIE ET DE LA PROSE FRANCAISES (3-0-3). Selected unabridged works of great French authors, all genres, between 1715 to 1939, with emphasis on prose. May be repeated once for credit. 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 beginning of the Second World War; for example, Ayme, Beckett, Sartre, Camus, Levy-Strauss and Chardin among others. PREREQ: F 202 or equivalent. 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 Civilization 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 German Courses require a lab fee.

Lower Division

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

G 101P 102P 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 101-1-2, 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 examination and consultation.

Upper Division

G 303 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Practice towards idiomatic fluency. Readings from newspapers, magazines, 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). Major writers and periods provide samples from various genres and an overview of German literacy development. The course is intended to provide insights into literary craftsmanship. PREREQ: G 202 or equivalent as determined by placement examination and consultation.

G331 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from prehistoric times through the 18th Century. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Class conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G377 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 ways in which traditional, descriptive, and transformational models deal with phonology, morphology and syntax. PREREQ: LI 305 and minimum of six credits upper division German and/or inservice 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 Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. 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, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, 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", Grillparzer, Hebbel, Gottheif, Keller, Stifter, Storm, C.F. Meyer and others. PREREQ: G 331 or PERM/INST. Alternate years.

G 445 DIE MODERNE ZEIT BEGINNT (1890-1945)(3-0-3). "ism's," trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and 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 465 RITTER UND BAUER, GOTT UND MENSCH (1150-1720)(3-0-3). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics. Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays; Angelus Silesius, Gryphius, Grimmelhhausen, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 475 DIE DEUTSCHSPRACHIGE WELT VON HEUTE (3-0-3). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or 377 or PERM/INST. Alternate years.

G 498 SENIOR SEMINAR (3-0-3). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. PREREQ: Senior standing or PERM/INST.

GR GREEK

NOTE: Most Greek Courses require a lab fee.

Lower Division

GR 101-102 GREEK LANGUAGE & LITERATURE (3-0-3). An introductory course providing the student with a basic knowledge of the forms and syntax of the language, with reading exercises and passages excerpted from ancient authors. Translation and analysis of extended pagan and Christian texts is undertaken. Etymological study illustrates the debt of modern languages to Greek. Alternate years.

LA LATIN

NOTE: Most Latin Courses require a lab fee.

Lower Division

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

LS LIBRARY SCIENCE

Lower Division

LS 102 LIBRARY SKILLS I (0-2-1)(F/S). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library, in particular. Designed for incoming students who are not familiar with an academic library and for returning students who have had difficulty using the college library in the past.

LS 103 LIBRARY SKILLS II (0-2-1). 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 (2-2-3)(F/SU). Teaches efficient use of library materials, catalogs, 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/SU) (Every third fall: 1984, 1987. . . ; every third summer: 1983, 1986. . .). 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,U)(Every third fall: 1985, 1988. . . every third spring 1984, 1987. . . every third summer: 1983, 1986. . .). Introduction to evaluation and use of basic reference sources, principles, techniques and issues of reference service. Includes coverage of standard reference books, indexes, abstracts, and bibliographies found in school or small public libraries. PREREQ: LS 201 or PERM/INST.

LS 321 BASIC BOOK SELECTION (3-0-3)(S/SU). Spring of odd numbered years, every third summer: 1984, 1987. . .). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for slow and gifted readers. PREREQ: LS 201 or PERM/INST.

LS 331 CATALOGING AND CLASSIFICATION (3-0-3)(F/S/SU)(Every third fall 1985, 1988. . . every third summer: 1984, 1987. . .). Theory and principles of classification and cataloging of book materials, practice using Dewey Decimal Classification, preparing catalog cards, assigning subject headings and library filing. Bibliographic utilities and cooperative cataloging are discussed. PREREQ: LS 201 or PERM/INST.

R RUSSIAN

NOTE: Most Russian courses require a lab fee.

Lower Division

R 101-102 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 Spanish 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. 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.

S 201-202 INTERMEDIATE SPANISH (4-1-4)(Area I). 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 203 SPANISH FOR THE NATIVE SPEAKER (4-0-4). A course designed especially for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202. PREREQ: S 201 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. Discussion of topics related to contemporary Hispanic 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 331 INTRODUCTION TO HISPANIC LITERATURES AND LITERARY ANALYSIS (3-0-3)(F). A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary explication, interpretation and criticism, using as models some of the major works of Hispanic literature. PREREQ: S 202 or equivalent as determined by placement examination and consultation.

S 377 CULTURA Y CIVILIZACION HISPANOAMERICANA (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the Hispanoamerican nations; and their 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 the historical works of Mexican-Americans, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years. Readings and papers in Spanish and English required. PREREQ: S 304 or equivalent. Alternate years.

S 410 APPLIED LINGUISTICS FOR THE SPANISH LANGUAGE TEACHER (3-0-3). Applies the main concepts of modern linguistics to specific problems in the teaching of the Spanish language. Application of linguistic theory to foreign language teaching with emphasis on the analysis of ways in which traditional, descriptive, and transformational models deal with the system of language in the areas of phonology, morphology and syntax. PREREQ: LI 305 and six Upper Division credits of Spanish or equivalent. Alternate years.

S 411 ESPAÑOL AVANZADO (3-0-3). An advanced oral and written communication course for those who need extended training in expressing ideas. Special emphasis on prose, style, vocabulary building, appropriateness of idioms and figures of speech, with major fiction and non-fiction works used as examples. Frequent essays required. PREREQ: S 303 and S 304. Course is conducted in Spanish. Alternate years.

S 425 LITERATURA MEXICANA-AMERICANA (3-0-3). Representative writings by major Mexican-American authors, with emphasis on social and literary values. PREREQ: S 331 or PERM/INST. Alternate years.

S 435 LITERATURE CONTEMPORANEA ESPAÑOLA (3-0-3). Literature of ideas in contemporary Spain through major representative authors and works. Genesis of modern thought and new perspectives in today's Spain. PREREQ: S 331 or PERM/INST. Alternate years.

S 437 LITERATURE CONTEMPORANES HISPANOAMERICANA (3-0-3). Literature of ideas in contemporary Spanish-America through major representative authors and works. Genesis of modern thought and new perspectives in today's Hispanoamerica. PREREQ: S 331 or PERM/INST. Alternate years.

S 445 LITERATURE ESPAÑOLA: SIGLOS 18 Y 19 (3-0-3). The main manifestations of thought and literature from 1700 to 1900, including the periods of the Enlightenment, 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 1800 to 1910. PREREQ: S 331 or PERM/INST. Alternate years.

S 455 EDAD DE ORO DE LA LITERATURE ESPAÑOLA (3-0-3). The main literary movements of the Golden Age in Spain (16-17th 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 ESPAÑOLA MEDIEVAL Y RENACENTISTA (3-0-3). An introduction to the principal authors, works, movements and periods of Spanish literature, from its beginnings to the end of the 15th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 475 EVENTOS CONTEMPORANEOS DE GENTES Y PAISES HISPANOHAB-LANTES (3-0-3). A lecture and discussion course based on current social, economic, cultural and political events faced by Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the people, viewpoints, and institutions, as well as the problems, 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 (2-0-2)(F/S). Develops the reading and study skills of the college students. Areas covered are organized 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 (1-0-1)(F/S). 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)(F/S/SU) (Area II). A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include social, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.

TE 202 FOUNDATIONS OF TEACHING ENGLISH AS A SECOND LANGUAGE (2-0-2)(F/S/SU). This course is designed to give the student a background in the psychological, linguistic, and cultural foundations of teaching English as a Second Language. The student also is given an overview of current trends in ESL and of the preparation needed to teach ESL.

TE 208 INTRODUCTION TO MICROCOMPUTERS IN EDUCATION (3-0-3)(F/S). This course introduces students to the use of microcomputers in education. Students will study the BASIC computer language, terminology and concepts. Students will explore considerations in selecting hardware; become critical consumers of software; and explore the possibilities and limitations of computer assisted instruction in the classroom. \$10.00 lab fee.

TE 216 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 (3-0-3)(S). The influence of the home and school environments will be examined in relation to child behaviors. Social and emotional areas of development will be emphasized. 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 (1-2-1)(F/S). 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 thirty hours of direct instructional experiences in the classroom which may include primary or upper grade, special education, reading and pre-school classrooms. PREREQ: TE 171.

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. Conducted in English. Offered in alternate years.

TE 291 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3)(F S SU). The course shall provide students, through classroom presentation, visitations, 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 TE 171.

Upper Division

TE 305 TEACHING BEGINNING READING, K-3 (3-0-3)(F/S/SU). Prospective teachers will learn how to teach reading in the primary grades. Students will examine and demonstrate competency 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 (3-0-3)(F/S/SU). Prospective teachers will learn how to teach reading in grades 4-6. Different grouping designs, the implementation of basal reader instruction, and individualization of reading will be covered. 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)(F/S/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 reading and study skills and the application of appropriate skills to the various content fields.

TE 316 CHILDREN'S LITERATURE (3-0-3)(F/S). This course will provide a survey of literature for children from preschool through early adolescence, with emphasis on recognition of excellence and the value of wide and varied reading experiences. Literature from diverse cultures as well as current issues in book selection will be included.

TE 322 IDENTIFICATION & DIAGNOSIS OF LIMITED ENGLISH PROFICIENT (LEP) STUDENTS (2-0-2)(F/S/SU). Familiarizes future teachers with language proficiency tests. Instruments such as the Language Assessment Scales, Bilingual Syntax Measure, Basic Inventory of Natural Language, James Language Dominance Test, Peabody Picture Vocabulary Test are studied. Students will learn to administer and interpret the results of these and other tests so as to properly place students in a level of ESL study.

TE 333 EDUCATING EXCEPTIONAL SECONDARY STUDENTS (1-0-1)(F/S). The course is designed to acquaint prospective secondary teachers with the educational needs of secondary students identified as exceptional. Emphasis shall be placed on classroom teaching models that enhance learning by special students.

TE 334 TEACHING IN SPECIAL EDUCATION (3-0-3)(S). This course shall provide students with the major theories and etiology regarding the handicapped. The specific categories of the emotionally impaired, the behavior disordered, the learning disabled, and the mentally retarded shall be emphasized. PREREQ: TE 291.

TE 341 LITERATURE FOR YOUNG ADULTS (3-0-3)(S). This course will provide an appraisal of literature, including a multicultural component, appropriate to the needs, interests and abilities of young adults. It is intended for librarians, teachers and others interested in working with young adults. PREREQ: Three credits of lower division literature.

TE 356 PRODUCTION OF AUDIO VISUAL MATERIALS (2-2-2)(F/S). Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in operating the equipment involved.

TE 358 CORRECTIVE READING (3-0-3)(S/SU). A study of reading difficulties of elementary or secondary school pupils with emphasis upon diagnosis, and upon materials and methods of teaching. Opportunity is offered to consider learning disabilities related to ethnic and cultural differences by tutoring an elementary or secondary school pupil for approximately 20 sessions. PREREQ: TE 305.

TE 362 CURRICULUM IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). The preschool-primary curriculum will be examined in relation to readiness and academic skill development. An understanding of effective communications and conferring skills with parents will be emphasized. A variety of early childhood settings will be visited.

TE 381 SECONDARY SCHOOL METHODS (3-0-3). A study of the secondary school including methods and materials. Application is made to the students' teaching areas. Must be taken prior to student teaching. PREREQ: TE 201. Admission to Teacher Education.

TE 384 SECONDARY SCHOOL SCIENCE METHODS (3-0-3)(S). This course provides the theoretical and practical background for science instruction at the secondary level. Emphasis placed on the development of teacher competency in the use of inquiry methods, questioning techniques, and the development of higher reasoning skills in students. Use of technology in science teaching is also treated.

TE 385 SECONDARY SCHOOL SOCIAL STUDIES METHODS (3-0-3)(S). This course will examine effective methods for teaching secondary social studies. Curriculum organized either by a general social studies format or by a single social science discipline or history will be studied and effective teaching strategies will be identified, analyzed and practiced. Prior completion of TE 381 Secondary School Methods is recommended.

TE 393 BEGINNING DRIVER EDUCATION (2-1-2). Designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control safety.

TE 394 ADVANCED DRIVER EDUCATION (2-1-2). Designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. PREREQ: TE 393.

TE 395 GENERAL SAFETY EDUCATION (3-0-3). Provides a comprehensive survey of general safety education, applied to all fields in general but to public schools in particular. Includes the study of accidents, safety, accident prevention, and the school's role in safety relative to other public and private agencies.

TE 421 TEACHING STRATEGIES FOR THE MENTALLY RETARDED (3-0-3)(S). Survey and identification of teaching methods utilized in classroom teaching of all levels of retardation. PREREQ: TE 291.

TE 422 CURRICULUM FOR THE MODERATELY/SEVERELY HANDICAPPED (3-0-3)(F). This course is designed to acquaint students with a systematic approach to conduct assessment and curriculum planning for the moderately/severely handicapped student. Such areas as severe mental retardation, multiple handicaps, and severely emotionally disturbed will be studied in this course. PREREQ: TE 291, 430.

TE 423G TEACHING THE MODERATELY AND SEVERELY HANDICAPPED (3-0-3)(S). This course is designed to assist students in gaining skills necessary for

teaching the moderately and severely handicapped. Updating of information and skills relative to research in this area will be given high priority. Students will be required to read recent literature and participate in classroom activity. PREREQ: TE 422.

TE 425 TEACHING STRATEGIES FOR BEHAVIOR DISORDERS (3-0-3)(S). Provides strategies for instructing students with behavior disorders. Students will examine research, participate in classroom projects, and field test preferred curriculum models. PREREQ: TE 430 or PERM/INST.

TE 430 DIAGNOSIS OF THE HANDICAPPED (3-0-3)(F). Provides for the development of skills in identification and diagnosis of students referred for evaluation.

TE 431 REMEDIATION OF THE MILDLY/MODERATELY HANDICAPPED (3-0-3)(S). Provides the participants with an opportunity to develop the necessary skills in remedial planning for the exceptional student, through the development of long term objectives and the individual instructional plan required for effective remediation. PREREQ: TE 430 or PERM/INST.

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 available in 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 and the application of behavioral analysis procedures. The major emphasis will be based 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 (6-0-6)(F/S). 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: M 103, M 104.

TE 452 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(F/S). 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). PREREQ: TE 451.

TE 453 TEACHING READING AND LANGUAGE ARTS IN THE BILINGUAL CLASSROOM (2-0-2). Develops an understanding 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 454 TEACHING CONTENT IN THE BILINGUAL CLASSROOM (3-0-3)(S). This course includes instructional strategies and techniques in mathematics, science and social studies for use in the elementary classroom. Instruction will be presented in both the Spanish and English languages. PREREQ: S 101, 102, 201, and 202 or S 203.

TE 456 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S/SU). This course acquaints future teachers with a variety of approaches and methods of teaching ESL, such as the Audio Lingual, Cognitive, Situational Response, Silent Way approaches, etc. Individualized instruction, small group instruction and learning centers are major areas of discussion. PREREQ: TE 221, 322.

TE 457 CLASSROOM MANAGEMENT SKILLS (2-0-2)(F/S). This course will provide prospective elementary and special teachers with skills for establishing and maintaining productive student learning. Practical, specific actions teachers can take to promote appropriate behavior and effective relationships will be learned. PREREQ: P 311, P 325.

TE 463G INFANT EDUCATION (3-0-3)(SU). Odd-numbered years. The physical, social, emotional, and intellectual development of the infant—age birth to three—will be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development.

TE 465 CREATING MATERIALS IN EARLY CHILDHOOD EDUCATION (3-0-3)(S/SU). Students will become familiar with a wide variety of inexpensive classroom materials. They will design and make usable materials that are best suited to meet the objectives of their particular curriculum, as well as individual children's needs. Students will try out and evaluate materials with children. Students will be expected to supply some of the materials.

TE 471 ELEMENTARY STUDENT TEACHING (0-20-5)(F/S). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. Graded pass/fail.

TE 472 ELEMENTARY STUDENT TEACHING (0-20-5)(F/S). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. Graded pass/fail.

TE 473 ELEMENTARY STUDENT TEACHING IN SPECIAL EDUCATION (0-20-5)(F/S). Supervised teaching in a resource or self-contained special education classroom. PREREQ: Required course work in special education and approval for

placement in a special education setting. Graded pass/fail.

TE 474 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (0-20-5)(F). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. PREREQ: S 202, TE 453, TE 454. Graded pass/fail.

TE 475 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (0-20-5)(S). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. PREREQ: S 202, TE 453, TE 454. Graded pass/fail.

TE 482 JUNIOR-HIGH-MIDDLE SCHOOL STUDENT TEACHING (0-14-8)(F/S). Supervised student teaching in a junior high school or middle school. The student will be placed with a cooperating teacher for eleven weeks in his major/minor field under supervision of university faculty. PREREQ: Prior acceptance to student teaching; TE 201, 381. COREQ: TE 486. Graded pass/fail.

TE 483 SENIOR-HIGH STUDENT TEACHING (0-14-8)(F/S). Supervised student teaching in a senior high school. The student will be placed with a cooperating teacher for eleven weeks in his major/minor field under the supervision of university faculty. PREREQ: Prior acceptance for student teaching, TE 201, 381. COREQ: TE 487. Graded pass/fail.

TE 484 JUNIOR HIGH/MIDDLE SCHOOL STUDENT TEACHING—COMPOSITE (0-10-6)(F/S). Supervised student teaching in the junior high/middle 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 senior high school. PREREQ: Prior acceptance for student teaching; TE 201, 381. COREQ: TE 485, 486, 487. Graded pass/fail.

TE 485 SENIOR HIGH SCHOOL STUDENT TEACHING—COMPOSITE (0-10-6)(F/S). 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)(F/S). This course will examine the characteristics of students, teaching methods, classroom management, curricula, 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, 281. COREQ: TE 482 or 484.

TE 487 THE SENIOR HIGH SCHOOL (1-0-1)(F/S). This course will examine the characteristics of students, teaching methods, classroom management, curricula, 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 483 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

(See Graduate School Section for Course descriptions)

TE 501 ADVANCED PRACTICES AND PRINCIPLES OF TEACHING READING (3-0-3)(F/S/SU).

TE 502 DIAGNOSIS OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER) (3-0-3)(F/SU).

TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER) (3-0-3)(S/SU).

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(F/SU).

TE 505 INDIVIDUAL TEST AND MEASUREMENTS (3-0-3)(S).

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).

TE 512 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3)(F).

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)(SU).

TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(F/SU).

TE 523 EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3)(F/SU).

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 566 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(SU).

TE 567 TEACHING SUBJECT CONTENT THROUGH READING (1-0-1)(SU).

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT (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).

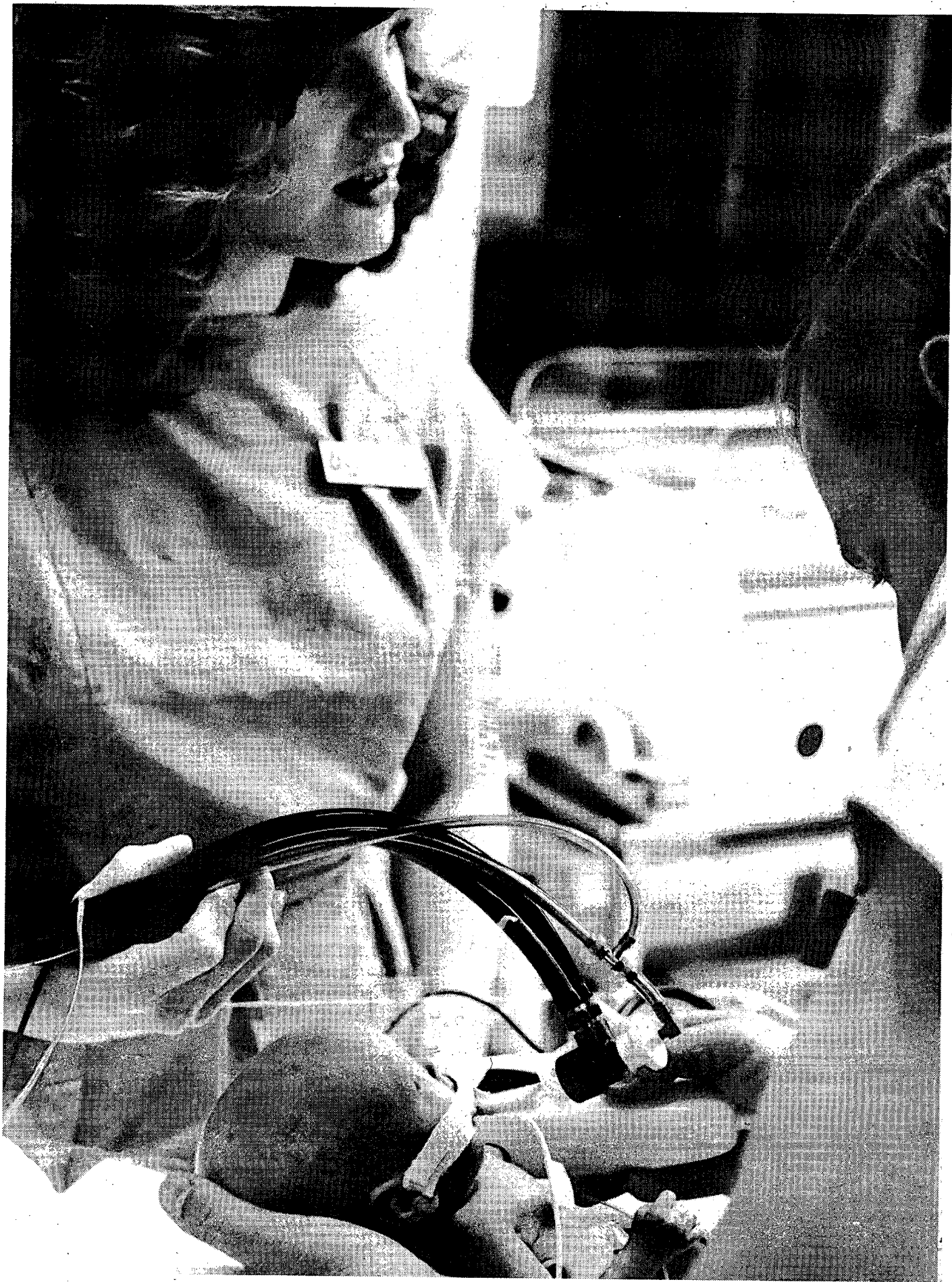
TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3)(S).

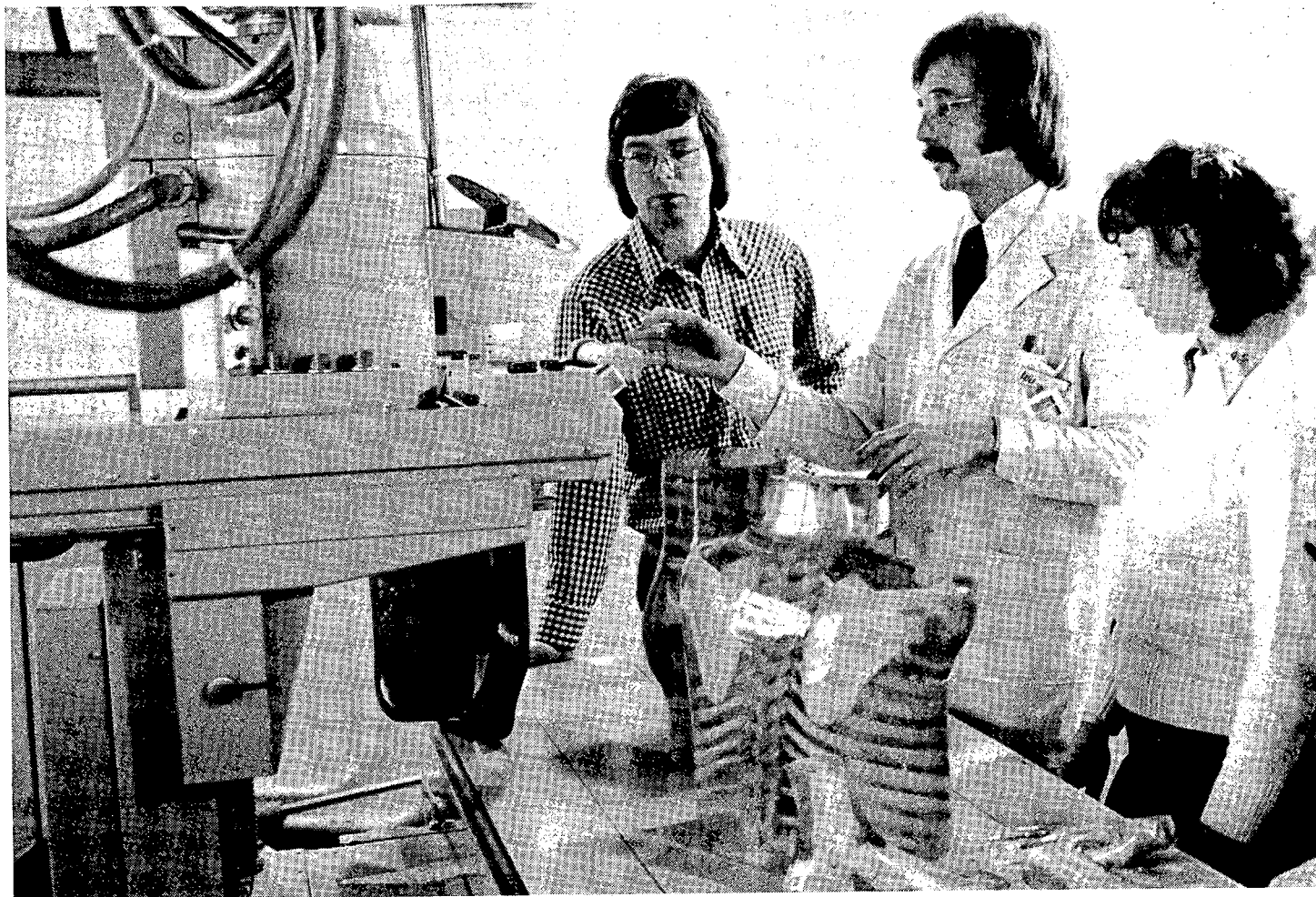
TE 590 PRACTICUM (V-V-V).

TE 591 PROJECT (V-V-6).

TE 593 THESIS (V-V-6).







College of Health Science

Dean: Victor H. Duke, Ph.D.
Associate Dean: JoAnn T. Vahey, Ed.D.
Telephone (208) 385-1678

College of Health Science Emeriti: Kelly, Miles

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

Caldwell Memorial Hospital, Caldwell
Central District Health Department, Boise
Community Home Health, Boise
Grand Oaks Healthcare, Boise
Idaho Elks Rehabilitation Hospital, Boise
Idaho Veterans Nursing Home, Boise
Intermountain Hospital, Boise
Kootenai Memorial Hospital, Coeur d'Alene
Magic Valley Regional Medical Center, Twin Falls
Mercy Medical Center, Nampa
Missoula Community Hospital, Missoula
Moritz Community Hospital, Sun Valley
Patient and Family Support Institute, Inc., Boise
St. Alphonsus Regional Medical Center, Boise
St. Joseph's Hospital, Inc., Lewiston
St. Luke's Regional Medical Center/Mountain States Tumor
Institute, Boise
Treasure Valley Manor, Boise
Walter Knox Memorial Hospital, Emmett
YWCA (Battered Women's Unit), Boise
Veterans Administration Medical Center, Boise

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 | John H. Keiser, Ph.D. |
| Mr. James A. Goff, Vice President | Mr. Lawrence H. Kissler |
| Donald L. Pape, D.D.S., Secretary | Edith Miller Klein, J.D. |
| Mrs. Bernice B. Comstock, Treasurer | John Mohr, M.D. |
| David M. Barton, M.D. | Mrs. Dorothy Reynolds |
| Mr. Armand L. Bird | John W. Swartley, M.D. |
| R.E. Bullington, Ed.D. | Sister Patricia Vandenberg, C.S.C. |
| Mr. Robert Conrad | Wilfred E. Watkins, M.D. |
| Victor H. Duke, Ph.D. | Mr. Lyman D. Wilbur |
| Mr. William K. Dunkley | Mr. Richard Williams |
| Maria Eschen, R.N., Ph.D. | |
| Mrs. Sybil Ferguson | |
| Mr. John R. Frobenius | |
| Mrs. Klara Hansberger | |
| Mr. Kregg Hanson | |

Ex-officio Directors: Presidents of Ada County Medical Society; District 31 of Idaho Nurses Association; Southwestern Idaho Medical District Medical Society

Information may be obtained by contacting the Dean of the College of Health Science at (208) 385-1787.

Department of Community & Environmental Health

Science Building, Room 110 Telephone (208) 385-3929

Chairman and Associate Professor: Eldon Edmundson; Associate Professor: Long.

Majors offered

- Environmental Health
- Health Science Studies
- Pre-Dietetics

Departmental statement

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
 - Employment with local planning and zoning agencies
 - Attend graduate school in various science disciplines
 - Attend a professional school in Medicine or other health discipline
- General Health Sciences:
 - Employment with public health planning agencies
 - Attend a graduate school in various science disciplines

Attend a health professional school in Medicine or other health discipline
Attend Medical Technology school.

Faculty in the department also advise students who are interested in a health care career but have not yet decided which discipline to enter.

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.

Special Information for Students

Environmental Health

Advisor: Edmundson

Environmental Health Specialists play an important role in assisting communities to ensure 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. The upper division student must complete an internship with public health agencies.

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 obtain the beginning courses until they 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.

Pre-dietetics Program

Advisor: Long

Boise State University does not offer a Bachelor of Science degree in Dietetics. However, Boise State University faculty will advise students who want to take the basic courses at Boise State and transfer to another college to complete the Bachelor of Science requirements. The following curriculum serves as a suggested program for the Freshman and Sophomore years.

Degree requirements

**ENVIRONMENTAL HEALTH
Bachelor of Science Degree**

1. General Requirements (30 credits):	
English Composition E 101-102	6
Electives (Area I)	12
Psychology P 101	3
Sociology S 101	3
Speech CM 111	3
Area II Core Elective	3
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	9-10
General Physics PH 101-102	8
Bacteriology B 303	5

Botany-Zoology BT 130, Z 130	9
Applied & Environmental Microbiology B 415	4
Entomology Z 305	4
Health Sciences (24 credits):	
Water Supply and Water Quality Management EH 310	3
Air Quality Management EH 380	2
Community Environmental Health Management EH 320	3
Public Health Administration H 304	3
Public Health Law H 435	2
Internship EH 493	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	3
Bioecology B 423	4
Parasitology B 412	4
Management & Organizational Theory MG 301	3
Physical Geology GO 101	4
State & Local Government PO 102	3
Statistics M 361	3
American National Government PO 101	3
Intro Information Sciences IS 210	3
Environmental Health Seminar H 498	1
Communication in the Small Group CM 215	3

HEALTH SCIENCE STUDIES
Bachelor of Science Degree

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	5
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

*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).

2. Science Electives (6 courses, 22-23 credits)	
General Physics PH 101-102	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
Parasitology B 412	3
Comparative Anatomy Z 301	4
Physical Chemistry C 321-324	8
Mathematics M 204	5
Organic Chemistry C 318, 320	5

**Students who intend to apply to schools of Medical Technology should take Pathogenic Bacteriology. The second semester of Biochemistry is suggested for those students.

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	3-6
Chronic Illnesses H 205	3
Introduction to Health Law & Ethics H 213	2
Pathophysiology H 300	4

Public Health Administration H 304	3
Applied Pharmacotherapeutics H 306	3
Human Sexuality for Health Professionals H 313	3
Medical Economics and Finance H 405	13
Epidemiology H 480	3
Preprofessional Internship H 493	2

4. Free Electives (13-16 credits)

Recommended program

ENVIRONMENTAL HEALTH

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111, 204	5	5
Electives (Area I)	3	3
	15	16
SOPHOMORE YEAR		
Botany B 130	4	-
Zoology Z 130	-	5
Physics PH 101-102	4	4
Technical Writing E 202	3	-
Speech CM 111	-	3
Electives (Area I)	-	3
Psychology P 101	3	-
Sociology SO 101	-	3
Environmental Health Practicum EH 160	1	-
	15	18

JUNIOR YEAR

Organic Chemistry C 318-319	5	-
Electives	-	5-8
Health Science Requirements	5-6	2-6
Cell Biology B 301	0	3
Electives (Area I)	-	3
Elective (Area II)	3	-
	13-14	16-17

SENIOR YEAR

Bacteriology B 303	5	-
Applied and Environmental Microbiology B 415	-	4
Health Science Requirements	5-6	2 or 6
Sociology, Psychology or Communication Elective	-	3
Entomology Z 305	4	-
Electives	-	6 or 3
	14-15	15-16

HEALTH SCIENCE STUDIES

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 111, 204	5	5
Electives (Area I)	3	3
	15	16
SOPHOMORE YEAR		
Botany BT 130	4	-
Zoology Z 130	-	5
Science Elective	4	4
Health Delivery Systems H 202	3	-
Electives (Area I)	3	3
Electives (Area II)	3	6
	17	18
JUNIOR YEAR		
Organic Chemistry C 317-320	5	5
Free Electives	3	3
Health Science Electives	3	3
Cell Biology B 301	-	3
	14	17

College of Health Science

SENIOR YEAR

Bacteriology B 303	5	-
Physiology Z 401 or 409	-	4
Science Electives	7	3
Health Science Elective	-	3
Immunology B 420	3	-
Free Electives	-	7
	15	17

PRE-DIETETICS PROGRAM

	1st SEM	2nd SEM
--	---------	---------

FRESHMAN YEAR

Essentials of Chemistry C 107, 108, 109, 110 ...	4	5
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111-112	4	4
Psychology P 101	3	-
Sociology SO 101	-	3
Introduction to Art AR 103	3	-
Humanities HU 207 or HU 208	-	3
	17	18

SOPHOMORE YEAR

Nutrition H 207	3	-
Principles of Food Preparation H 209	-	4
Math M 108	4	-
Microbiology B 205	-	4
Technical Writing E 202	-	3
Cultural Anthropology AN 102	-	3
A First Course in Programming M 122	-	2
Economics EC 201 or 202	3	-
Statistics DS 207	3	-
Sociology of the Family SO 340	3	-
	16	16

Course offerings

EH ENVIRONMENTAL HEALTH

Lower Division

EH 160 ENVIRONMENTAL HEALTH PRACTICUM (0-V-1)(F/S). 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.

Upper Division

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. Even-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 and Upper Division standing. Odd-numbered years.

EH 380 AIR QUALITY MANAGEMENT (2-0-2)(F). Chemical, engineering and management principles of community and industrial air quality control. PREREQ: Organic Chemistry or concurrent enrollment. Odd-numbered years.

EH 415 OCCUPATIONAL SAFETY AND HEALTH (2-3-3)(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. Even-numbered years.

H HEALTH SCIENCES

Lower Division

H 100 INTRODUCTION TO ALLIED HEALTH (1-0-1)(F). Various allied health disciplines and their clinical functions are discussed. Information on basic educational requirements, opportunities and advancement for each discipline of health care delivery. Lectures by allied health faculty and guest speakers from the medical community. Orientation to allied health care in clinical facilities.

H 101 MEDICAL TERMINOLOGY (3-0-3)(F/S). An introduction to Greek and Latin prefixes, roots and suffixes used in medical terminology, as well as in the study of anatomical, physiological and pathological terms according to systems of the body. Recommended as a beginning course for those with little or no biology background.

H 109 DRUGS: USE AND ABUSE (3-0-3)(S). An introductory course which deals with the basic medical, social and psychopharmacological considerations related to the use of therapeutic and non-therapeutic (recreational) drugs. Even-

numbered years.

H 202 HEALTH DELIVERY SYSTEMS (3-0-3)(F). Consideration of processes; professionals, politics, programs, laws and institutions which are involved in the maintenance of health and treatment of disease.

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 107-108 and Z 111 is suggested.

H 209 PRINCIPLES OF FOOD PREPARATION (2-6-4)(S). 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. Odd-numbered years.

H 211-212 DISEASE CONDITIONS I AND II (3-0-3)(F/S). 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)(F/S). 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. Disruption of normal physiology and 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 pathophysiology to study drugs and their intersystem relationships. 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). For students in variety of health related areas. Emphasis on biological, sociological aspects of sexuality. Value systems examined in relation to delivery of effective, holistic health care by individual providers and by the total health care delivery system. PREREQ: Health-related professionals or PERM/INST. Even-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 pre-service health education, in-service education, continuing education, and community health education.

H 435 PUBLIC HEALTH LAW (2-0-2)(S). A study of public health legislation, including the implementation and enforcement of such laws, and specific duties of agencies regarding selected sections of the law. PREREQ: Upper division standing or PERM/INST. odd-numbered years.

H 480 EPIDEMIOLOGY (3-0-3)(S). Study of the distribution of disease or physiological conditions of humans, and of factors which influence this distribution. PREREQ: Upper division status, health science major or PERM/INST; statistics desirable. Even-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. Student keeps a record of experiences and discusses them at a 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)(F/S). 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 Records Science

Health Sciences Building Telephone (208) 385-1661
Chairman and Associate Professor: Conrad Colby; Associate Professor: Seddon; Instructor: Rockne.

Majors offered

Medical Records Science

Departmental Statement

Medical Records technicians are qualified to work in any health care agency where health records are prepared, analyzed, and preserved. Areas of concentration include classifying diseases and operations, analyzing records of discharged patients, compiling statistical information for administration and research, transcribing medical reports and abstracting data for medical care evaluation studies. In addition, students receive training in medical record departments of area health facilities. Students are responsible for their own transportation from BSU to the clinical agencies.

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).

Department Admission Requirements

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 mid-term 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 Records Science" on or before March 1 of the year in which the student wishes to enter the second year of the program. The applications will be distributed to students in their Introduction to Medical Records class. Applicants will be notified of their status by April 25. Due to the small number of available clinical sites, the program can accept only a limited number of students each year.
4. Have adequate health status to ensure successful performance of hospital activities; 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.

Recommended program MEDICAL RECORDS SCIENCE PROGRAM Associate of Arts Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111-112	4	4
Introduction to Allied Health H 100	1	-
Area III Core Elective	4	-
Medical Terminology H 101	3	-
Introduction to Medical Records MR 115	-	3
Health Data MR 205	-	3
Area I Core Elective	-	3
	15	16
SOPHOMORE YEAR		
Medical Records I MR 201-202	5	-
Diagnostic and Operative Coding MR 207 ...	3	-
Disease Conditions I H 211	3	-
Health Delivery Systems H 202	3	-
Introduction to Health Law & Ethics H 213 ...	2	-
Area II Core Elective	-	3
Health Record Transcription MR 209	-	2
Disease Conditions II H 212	-	3
Introduction to Information Science IS 210 OR		
First Course in Programming M 122	-	2-3
	16	15-16

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 2

Course offerings

MR MEDICAL RECORDS

Lower Division

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-V-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

Science/Nursing Building, Room 107 Telephone (208) 385-3900

Chairman and Professor: Neila Poshek; *Professor:* Willhite; *Associate Professors:* Baker, Fountain, Job, Matson, Penner, Taylor, Wade, Wilcox; *Assistant Professors:* Adornato, Brudenell, Butterfield, Chase, Lynch, Schall; *Instructors:* Leahy, Otterness, Peterson, Straub, Wise.

Majors offered

Nursing (2 yr.)
Nursing (4 yr.)

Departmental Statement

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.

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.

Special Information for Students

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.

Advisement: The Associate of Science Degree may be completed in 4 semesters. 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 art of clinical judgment—the capacity to think critically as a basis for selection, implementation and evaluation of strategies to meet health care needs of individuals, families, and the community. The professional nurse is prepared to provide health care services ranging from simple to complex for individuals, families and groups of all ages and in a wide variety of settings. The professional nurse understands the dynamics of small and large groups and utilizes communication skills which facilitate effective functioning.

The current demand for improved health care requires the professionally prepared nurse. Nurses must be able to: (1) accept responsibility and accountability for their own actions; (2) critically analyze and respond to emerging scientific and humanistic advances in knowledge and the potential for implementation in the health care delivery system; and (3) participate in identifying health care trends, predicting health care needs in a changing society, and in developing new nursing roles and strategies for meeting those needs.

Pre-Entrance Advisement: Potential applicants should contact the program office to obtain advisement as far in advance of their application date as is possible. Revision of admission qualifications or application procedures, as well as year-to-year variations in the scheduling of courses, will have implications for the potential student's academic plans. By establishing early contact with the program advisors, the potential student will be kept advised of such changes so that the student is able to plan more effectively to ensure eligibility for admission by the date which the potential student desires.

The potential student must take the initiative for contacting a program advisor. This is best done immediately following the initial request to the Admissions Office for information about the program. During the time when the student is attempting to qualify for admission, the program advisor will provide academic advisement. Candidates for admission who fail to utilize this service, or who apply too late to receive pre-entrance advisement, run the risk of discovering that they have not completely qualified for admission by the date they have chosen.

Department Admission Requirements and Application Procedures

Lower Division Associate Degree

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. 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.

OR

SAT—Total score of at least 888.

2. College students who have earned a minimum of 12 semester college credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.50 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, N 102.
 - f. pass the freshman level clinical performance evaluation. (Given during the spring semester only.)

Application Procedures:

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.

*Amount subject to change.

Upper division baccalaureate degree

Admission Requirements: To qualify for admission, applicants must:

1. Possess a current license as a registered nurse and secure Idaho licensure prior to enrollment in upper division nursing courses.
2. Have maintained a GPA of 2.75 or better in 37-41 semester credits in general education courses, including the following:

a. English Composition E 101-102	.....6
Microbiology B 205	.....3-4
Nutrition H 207	.....2-3
Behavioral Science (Area II) P 101, SO 101	.....6
Humanities (Area I)	.....6
Chemistry C 107-108, 109-110	.....8
Human Anatomy & Physiology Z 111-112	.....9

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).

Application Procedures: 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.

*Amount 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 waiting 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 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, 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 advisors are unable to help the student resolve a problem, they 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, ID83725, Phone (208) 385-1768.

Recommended Programs

This section contains programs for both full-time and part-time students. 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.

LOWER DIVISION ASSOCIATE DEGREE

Full-Time Nursing Student

(Suggested for those students who do not plan to work part time)

	1st SEM	2nd SEM
FIRST YEAR		
*Essentials of Chemistry C 107-108	4	-
*Nutrition H 207	-	3
*Human Anatomy & Physiology Z 111-112 ...	4	4
*General Psychology P 101	3	-
Fundamentals of Nursing N 100-102	6	7
*English Composition E 101	-	3
	17	17
SECOND YEAR		
Microbiology B 205	4	-
English Composition E 102	3	-
Introduction to Sociology SO 101	-	3
Elective	-	3
Nursing Intervention I & II N 200-202	9	10
	16	16

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).

	1st SEM	2nd SEM
FIRST YEAR		
*Essentials of Chemistry C 107-108	4	-
*Human Anatomy & Physiology Z 111-112 ...	4	4
*General Psychology P 101	3	-
*Nutrition H 207	-	3

*English Composition E 101	-	3
	11	10
SECOND YEAR		
Fundamentals of Nursing N 100-102	6	7
Elective	-	3
English Composition E 102	3	-
Introduction to Sociology SO 101	3	-
Microbiology B 205	-	4
	12	14

THIRD YEAR		
Nursing Intervention I & II N 200-202	9	10
	9	10

*Pre or Co-requisite to First Year Nursing Courses

UPPER DIVISION BACCALAUREATE DEGREE

Full-Time Student

	1st SEM	2nd SEM
JUNIOR YEAR		
Professional Nursing I N 302	2	-
Professional Interactions N 308	2	-
Practicum: Professional Interactions N 309	1	-
Health-Illness I N 360	2	-
Practicum: Health-Illness I N 361	3	-
Pathophysiology H 300	4	-
Core or General Elective	3	-
Family and Group Interactions N 328	-	2
Practicum: Family-Group Interactions N 329	-	2
Health-Illness II N 362	-	2
Practicum: Health-Illness II N 363	-	2
Nursing Research N 392	-	3
Applied Pharmacotherapeutics H 306	-	3
Area I, II or III Core Elective	-	3
	17	17

SENIOR YEAR		
Nursing in the Community N 410	2	-
Practicum: Nursing in the Community N 411	2	-
Health-Illness III N 430	2	-
Practicum: Health-Illness III N 431	3	-
Area I, II, or III Core Electives	6	-
Professional Nursing II N 402	-	2
Families & Groups Under Stress N 408	-	2
Practicum: Families & Groups Under Stress N 409	-	2
Health-Illness IV N 432	-	2
Practicum: Health-Illness IV N 433	-	2
Area I, II, or III Core Electives	-	6
	15	16

Part-Time Student

	1st SEM	2nd SEM
FIRST YEAR		
Professional Nursing I N 302	2	-
Pathophysiology H 300	4	-
Core or General Elective	3	-
Nursing Research N 392	-	3
Applied Pharmacotherapeutics H 306	-	3
Area I, II, or III Core Elective	-	3
	9	9

SECOND YEAR		
Professional Interactions N 308	2	-
Practicum: Professional Interactions N 309	1	-
Health-Illness I N 360	2	-
Practicum: Health-Illness I N 361	3	-
Family & Group Interactions N 328	-	2
Practicum: Family & Group Interactions N 329	-	2
Health-Illness II N 362	-	2
Practicum: Health-Illness II N 363	-	2
	8	8

THIRD YEAR		
Nursing in the Community N 410	2	-
Practicum: Nursing in the Community N 411	2	-
Area I, II, or III Core Elective	3	-
Families & Groups Under Stress N 408	-	2
Practicum: Families & Groups Under Stress N 409	-	2
Area I, II, or III Core Elective	-	3
	7	7

FOURTH YEAR		
Health-Illness III N 430	2	-
Practicum: Health-Illness III N 431	3	-
Area I, II, or III Core Elective	3	-
Professional Nursing II N 402	-	2
Health-Illness IV N 432	-	2
Practicum: Health-Illness IV N 433	-	2
Area I, II, or III Core Elective	-	3
	8	9

Students who want to take more than a part-time schedule but less than a full-time program the first semester of the junior year are advised to take N 308-309, Professional Interactions, in addition to the suggested program above. In such cases, N 360 will be omitted as a co-requisite.

Course offerings

N NURSING

Lower Division

N 100 FUNDAMENTALS OF NURSING I (3-9-6)(F). First of four sequential courses. Focus is Man: his well-being, environmental interaction, and ability to cope with stress. Clinical learning experiences are designed to increase knowledge of self/others; environmental factors which affect health; and measures used to assist people of all ages cope with change and progress toward high-level wellness. PREREQ: Admission to the AD Nursing Program.

N 102 FUNDAMENTALS OF NURSING II (3-12-7)(S). Builds upon concepts presented in N 100. Focus: methods of assisting patients/ families adapt to stressors of illness and/or surgery. Exploration of concepts which apply to individuals at various points on health/illness continuum. Clinical learning experiences assist student in planning and implementing measures to help patients progress toward wellness. PREREQ: N 100.

N 114 ORIENTATION TO ASSOCIATE DEGREE NURSING FOR ADVANCE PLACEMENT STUDENT (1-0-1)(S). Designed to assist the student in transition from one role in nursing to another. Content focuses upon basic nursing concepts, the role of the associate degree nurse, and challenge procedures for advanced placement.

N 200 NURSING INTERVENTION I (4-15-9)(F). Provides for continued development of concepts presented in first year courses. Focus is two-fold: assisting patients and families to adapt to changes in life-style or problems resulting from disordered communication. Clinical learning experiences assist student in providing interventions for families and individuals with increasingly complex health problems. PREREQ: N 102.

N 202 NURSING INTERVENTION II (4-18-10)(S). Continues development of concepts acquired in previous courses and completes student's socialization to associate degree nursing. Focus on application of concepts to assist patient/families in adapting to complex or life-threatening situations. Clinical learning experiences require student to become more self-directed and flexible in application of concepts to patient care. PREREQ: N 200.

Upper Division

N 302 PROFESSIONAL NURSING I (2-0-2)(F). Theoretical and historical perspectives in nursing. Roles and characteristics of the professional nurse today. Conceptual foundations of professional nursing. Exploration of leadership styles and issues in nursing. Identification of individual professional goals. PREREQ: Admission to BSN program.

N 308 PROFESSIONAL INTERACTIONS (2-0-2)(F). Theoretical base for communication in professional nursing practice, emphasizing assertiveness, therapeutic communication, group process and leadership in groups. PREREQ or COREQ: N 302. COREQ: N 309, 360.

N 309 PRACTICUM: PROFESSIONAL INTERACTIONS (0-2-1)(F). Simulated laboratory for N 308. COREQ: N 308.

N 328 FAMILY AND GROUP INTERACTIONS (2-0-2)(S). Theoretical base for application of nursing process to promote optimal health for individuals, families and groups in community settings. Focus on use of communication base in situational and maturational family crises. PREREQ: N 308, 360. PREREQ or COREQ: N 390. COREQ: N 329, 362.

N 329 PRACTICUM: FAMILY AND GROUP INTERACTIONS (0-6-2)(S). Clinical laboratory for N 328. COREQ: N 328.

N 360 HEALTH-ILLNESS I (2-0-2)(F). Theoretical base for nursing practice from developmental systems, stress-adaptation and high-level wellness categories of theories. Overall perspective on biopsychosocial adaptation by individuals throughout major phases of life cycle. Focus on assessment of individual health status/potential. PREREQ or COREQ: N 302, H 300. COREQ: N 361, 308.

N 361 PRACTICUM: HEALTH-ILLNESS I (0-9-3)(F). Clinical laboratory for N 360. COREQ: N 360.

N 362 HEALTH-ILLNESS II (2-0-2)(S). Application of theoretical base for nursing practice to children through adolescence and child-bearing families to help them achieve/maintain health. Emphasis on assessment of biopsychosocial stresses and adaptive requirements as basis for planning care. PREREQ: N 308, 360. PREREQ or COREQ: N 392, H 306. COREQ: N 363, N 328.

N 363 PRACTICUM: HEALTH-ILLNESS II (0-6-2)(S). Clinical laboratory for N 362. COREQ: N 362.

N 392 INTRODUCTION TO NURSING RESEARCH (3-0-3)(S). Research process as applied in health care research. Emphasis on defining researchable problems, conceptualizing research design, and analyzing steps in the research process. Critical review of research articles to evaluate findings for application to nursing practice. PREREQ: N 302 or PERM/INST.

N 402 PROFESSIONAL NURSING II (2-0-2)(S). Leadership role of professional nurse in improvement of health care services and advancement of nursing profession. Emphasis on emerging nursing roles and issues and trends which affect nursing. Examination of individual goals relevant to professional commitments. PREREQ: N 430. COREQ: N 432. PRE or COREQ: N 408.

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. PREREQ: N 410. COREQ: N 409.

N 409 PRACTICUM: FAMILIES AND GROUPS UNDER STRESS (0-6-2)(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. PREREQ: 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 illnesses/trauma. Continuing use of nursing process with emphasis on implementation and evaluation of care. PRE or COREQ: N 410. COREQ: N 431.

N 431 PRACTICUM: HEALTH-ILLNESS III (0-9-3)(F). Clinical laboratory for N 430. COREQ: N 430.

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. PREREQ: 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 Building, Room 101

Telephone (208) 385-1787

Dean and Professor: Victor H. Duke

Majors offered

Pre-Dental
Pre-Dental Hygiene
Pre-Medical Studies
Pre-Occupational Therapy
Pre-Optometric
Pre-Pharmacy
Pre-Physical Therapy
Pre-Veterinary Medicine Studies
Medical Technology

Departmental Statement

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 counsel from the advisor who has been designated for his or her major field of interest. A handbook for Preprofessional students is available from the advisors and should be used as a reference.

Students who intend to apply to professional schools 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 a practicing physician, dentist, or veterinarian, etc. PREREQ: 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.

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; IDEP-Creighton-ISU for dental school; WOI for veterinary medicine; WICHE for optometry, occupational and physical therapy.

Degree Requirements and Recommended Programs

PRE-DENTISTRY—BIOLOGY OPTION—BS

Science-Nursing Building, Room 213

Telephone (208) 385-3499

Advisor: Dr. Charles W. Baker

PRE-MEDICINE—BIOLOGY OPTION—BS

Science-Nursing Building, Room 210

Telephone (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	5
Comparative Anatomy Z 301	4
Vertebrate Embryology Z 351	4
Physiology Z 401, 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	8-10
Biochemistry with or without Lab C 431-432	3-4
General Physics PH 101-102	8
Mathematics M 111-204	10
**Electives	21-25
Total must be at least	128

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
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	3-5
General Psychology P 101	3	-
Cell Biology B 301	-	3
Electives (H 202 recommended)***	3	3-6
	15	17-19
JUNIOR YEAR		
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
Electives	-	3
	14-15	17
SENIOR YEAR		
General Bacteriology B 303	5	-
Vertebrate Histology Z 400	4	-
Physiology Z 401 or 409	-	4
Biochemistry C 431-432	3	1
Area I Core Courses	3	3
Electives	3	9
	18	17

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 496	2
Chemistry Seminar C 498, 499	2
General Physics Ph 101-102	8
Mathematics M 111-204	10
Mathematics M 205-206	8
Electives	9-11

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
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
Cell Biology B 301	-	3
Elective (H 202 recommended)**	3	-
	16	17
JUNIOR YEAR		
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 211-212	5	4
Area I Core Courses	-	9
Physics PH 101-102	4	4
	16-17	17
SENIOR YEAR		
Physical Chemistry C 321-324	4	4
Instrumental Analysis C 411	4	-
Chemistry Independent Study C 496	1	1
General Psychology P 101	3	-
Chemistry Seminar C 498, 499	1	1
Area I Core Course	-	3
Area II Core Course	-	3
Electives	3	15-6
	16	17-18

*Additional Upper Division credits so that Upper Division credits will total at least 40.

**H 202, Health Delivery Systems, is prerequisite for H 493, Preprofessional Internship.

*Pre-Dental 8; Pre-Medical 10

**Additional Upper Division credits so that Upper Division credits will total at least 40.

***H 202, Health Delivery Systems, is prerequisite for Preprofessional Internship, H 493.

PRE-DENTISTRY—CHEMISTRY OPTION—BS

Science-Nursing Building, Room 213 Telephone (208) 385-3499
Advisor: Dr. Charles W. Baker

PRE-MEDICINE—CHEMISTRY OPTION—BS

Science-Nursing Building, Room 309 Telephone (208) 385-3965
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, B 344	3-4

PRE-VETERINARY MEDICINE—BS

Science-Nursing Building, Room 212 Telephone (208) 385-3504
Advisor: Dr. Russell J. Centanni

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 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.

College of Health Science

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

English Composition E 101-102	6
Area I Requirements	12
Area II Requirements	12
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 301	3
Bacteriology B 303	5
Genetics B 343-344	3-4
College Chemistry C 131-134	9
Organic Chemistry C 317-320	10
Biochemistry C 431-432	4
Mathematics M 111-204	10
General Physics PH 101-102	8
*Applied Animal Nutrition	3
Electives	34-35

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111-204	5	5
Area I Core Courses	3	3
	15	16
SOPHOMORE YEAR		
Botany & Zoology BT 130, Z 130	4	5
Organic Chemistry C 317-320	5	5
*Applied Animal Nutrition	3	-
Electives (H 202 recommended)**	3	-
Area II Core Courses	-	6
	15	16
JUNIOR YEAR		
Cell Biology B 301	3	-
Genetics B 343-344	3-4	-
General Physics PH 101-102	4	4
Electives	4	4
Area I, II Core Courses	3	6
	17-18	14
SENIOR YEAR		
Bacteriology B 303	5	-
Biochemistry C 431-432	3	1
Electives	6	16-17
Area II Core Course	3	-
	17	17-18

*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

2268 University Drive Telephone (208) 385-3383

The Medical Technologist performs many routine and specialized tests in the clinical laboratory for the purpose of developing data which may be used by a physician in determining the presence and extent of disease, as well as implications as to the cause of disease. The many tests and procedures performed and supervised by the Medical Technologist in the clinical laboratory include the major areas of hematology, serology and immunology, chemistry, blood banking, microbiology and parasitology, urinalysis, histology, and cytology.

A bachelor of science degree comprised of courses prescribed by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association is a criterion for admission to many professional schools of Medical Technology. The baccalaureate degree in Health Sciences Studies (see Department of Community and Environmental Health) satisfies this requirement.

Individual hospital schools of Medical Technology may or may not

require a baccalaureate degree as a criterion for admission. Those which do not will consider students who have completed at least 96 credits of basic sciences and general education courses prescribed by CAHEA. These courses are listed below.

Requirements

English Composition E 101-102	6
Area I Core Elective	12
Area II Core Elective	12
Mathematics M 111	5
College Chemistry & Laboratory C 131-134	9
Organic Chemistry & Laboratory C 317-319	5
*Biochemistry & Laboratory C 431-432	4
General Zoology Z 130	5
Cell Biology B 301	3
Bacteriology B 303	5
Pathogenic Bacteriology B 310	4
Immunology B 420	3
General Botany BT 130	4
Human Physiology Z 401	4
Health Delivery Systems H 202	3
Health Science Electives	8
Electives	4
	96

*Two semesters of Biochemistry C 431-432-433 (7 credits) are recommended.

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
College Chemistry C 131, 133	3	3
College Chemistry Laboratory C 132, 134	1	2
Mathematics M 111	5	-
Health Sciences Electives	-	3
Area I or II Core Electives	3	6
	15	17
SOPHOMORE YEAR		
Organic Chemistry C 317-319	5	-
General Botany BT 130	4	-
General Zoology Z 130	-	5
Cell Biology B 301	-	3
Basic Medical Technology MT 201	-	2
Health Sciences Electives	3	-
Electives Area I or II Core	4	6
	16	16
JUNIOR YEAR		
General Bacteriology B 303	5	-
Pathogenic Bacteriology B 310	-	4
Immunology B 420	3	-
Biochemistry C 431	3	-
Biochemistry Laboratory C 432	-	1
Electives Area I or II Core	3	3
Health Delivery Systems H 202	-	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 apply for 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	6
Clinical Bacteriology	8

Clinical Parasitology	1
Urinalysis	1
Clinical Chemistry	8
Immunohematology	3
Serology-Immunology	2
Toxicology	1
Clinical Mycology	1
Clinical Correlations Seminar	1
	32

Course offerings

MT MEDICAL TECHNOLOGY

MT 201 BASIC MEDICAL TECHNOLOGY (2-0-2)(S). Introduction to the basic aspects of theory and practice encountered in Medical Technology. Even-numbered years.

MT 487 CLINICAL CLASS AND PRACTICE (76 hours per semester—324 hours per semester—8 CR)(SU) (second session). 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 (153 hours per semester—647 hours per semester—12 Cr)(F). 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 (153 hours per semester—218 hours per semester—12 Cr)(S). 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 Telephone (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.

SEM	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Anatomy & Physiology Z 111-112	4	4
Chemistry C 107, 109	3	3
Chemistry C 108, 110	1	2
Mathematics M 111	5	3
Introduction to Allied Health H 100	1	-
	17	15
SOPHOMORE YEAR		
Speech CM 111	3	-
Zoology Z 130	4	-
Sociology SO 101	3	-
Psychology P 101	-	3
Microbiology B 205	-	4
Area I Courses	-	9
Nutrition H 207	3	-
	13	16

PRE-OCCUPATIONAL THERAPY

2268 University Drive Telephone (208) 385-3383
Advisor: Conrad Colby

Occupational Therapy schools differ considerably in their pre-professional requirements. A minimum of two preprofessional years is required, and more in the case of some schools. A student interested in this career is advised to consult the advisor, determine which of the several schools would be the student's choice, and pattern the preprofessional curriculum in line with the requirements of the desired schools.

PRE-OPTOMETRY

2268 University Drive Telephone (208) 385-3383
Advisor: Conrad Colby

For students interested in preparing for optometry training, science

courses should be designed for science majors and offer laboratory experience. Brief survey courses in the sciences will not prepare a student for the schools and colleges of Optometry.

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. The student should write to the optometry school of his/her choice for a list of specific courses. 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-Optometric program are:

Psychology	Comparative Anatomy
Social Science	Physiology
Philosophy	Statistics
Literature	Algebra and Trigonometry
Organic Chemistry	Analytic Geometry
Microbiology	Differential Calculus
Bacteriology	Integral Calculus

PRE-PHARMACY

Science-Nursing Building, Room 313 Telephone (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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Chemistry C 131, 133	3	3
Chemistry Laboratory C 132, 134	1	2
Mathematics M 111	5	-
*Mathematics M 204	-	5
Electives	3-4	-
Fundamentals of Speech CM 111	-	3
	15-16	16
SOPHOMORE YEAR		
Zoology Z 130	5	-
Cell Biology B 301	-	3
Organic Chemistry C 317-318	3	3
Organic Chemistry Lab C 319-320	2	2
Microbiology B 205	-	4
Physics PH 101-102	4	4
Electives	3-4	-
	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 Telephone (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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Anatomy and Physiology Z 111-112	4	4
Psychology P 101	-	3
Mathematics M 111	5	-
College Chemistry C 131, 133	3	3
College Chemistry Lab C 132, 134	1	2
Electives (Area I, II)	-	3
	16	18

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 Radiological Sciences

Student Health Building Telephone (208) 385-1996

Chairman and Assistant Professor: Rex E. Profit; Associate Professor: Kraker; Assistant Professors: Craychee, Munk.

Majors offered

- Radiologic Technology (3 yr.)
- Radiologic Technology (4 yr.)

Departmental statement

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.

Department Admission Requirements and Application Procedures

Requirements for Admission:

1. Freshman Year

See University Admission Policy.
 Student must see a Radiologic Technology advisor.

2. Sophomore Year

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.
 Health status must be adequate to insure successful performance of hospital activities.

Application Process:

1. Freshman Year

See University Requirements.

2. Sophomore Year

- a. All students must fill out and return to the Radiological Sciences Department office a "Special Programs Application" on or before March 1 of the year in which they plan to attend the sophomore year.
- b. Applicants are required to have an interview during the spring semester of the freshman year. Contact the department chairman for details.
- c. 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 nonrefundable 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.

Recommended program

Radiologic Technology Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111-112	4	4
Medical Terminology H 101	3	-
Essentials of Chemistry C 107	3	-
Essentials of Chemistry Lab C 108	1	-
Mathematics M 108	-	4
*Intro to Allied Health H 100	1	-
General Psychology P 101	-	3
Intro Information Sciences IS 210	-	3
	15	17
SOPHOMORE YEAR		
Clinical Practicum RD 211, 221	1	1
Radiographic Positioning I RD 222	4	-
Radiographic Techniques & Control RD 226, RD 252	3	3
Radiographic Physics PH 103, PH 104	2	3
Intro to Radiography Clinical Experience RD 234	3	-
Radiation Biology-Protection RD 230	2	-
Area II Core Elective	3	-
Radiographic Positioning II RD 242	-	4
Clinical Experience RD 285	-	4
Area I Core Elective	-	3
	18	18
SUMMER		
Clinical Experience RD 375	-	5

JUNIOR YEAR

Clinical Practicum RD 311, 321	1	1
Radiographic Positioning III RD 316	4	-
Special Radiographic Procedures RD 360	4	-
Medical & Surgical Diseases RD 350	3	-
Clinical Experience RD 385, 395	6	6
Seminar in Radiologic Science RD 436	-	2
Radiographic Positioning IV RD 320	-	4
Area I Core Electives	-	3
	18	17

SUMMER

Clinical Experience RD 397	-	5
----------------------------------	---	---

Baccalaureate Degree Curriculum

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have an associate degree in Radiologic Technology and/or related discipline from a comparable college/university program, or have permission from the department chairman.

*Students transferring from other institutions may take this course in their first year at BSU if a similar course has not been available at their previous college.

	1st SEM	2nd SEM
SENIOR YEAR		
Elective (Area II)	3	-
Management and Organizational Theory MG 301	3	-
Area II Core Elective	3	-
Management of Radiology Service RD 400, 401	3	3
Imaging Modalities RD 402	3	-
Elective (Area I)	-	3
Organizational Behavior MG 401	-	3
Interviewing CM 307	-	3
Health Delivery Systems H 202 OR Medical Economics and Finance H 405	3	-
Principles of Education in Health Sciences H 406	-	3
Radiographic Quality Assurance RD 408	-	3
	18	18

Course offerings**RD RADIOLOGIC TECHNOLOGY****Lower Division**

RD 211 CLINICAL PRACTICUM (0-3-1)(F). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. COREQ: RD 222.

RD 221 CLINICAL PRACTICUM (0-3-1)(S). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 242. PREREQ: RD 222, RD 211. COREQ: RD 242.

RD 222 RADIOGRAPHIC POSITIONING I (4-0-4)(F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest and abdomen. COREQ: RD 211.

RD 226 RADIOGRAPHIC TECHNIQUE AND CONTROL (3-0-3)(F). Factors that affect the production of x-ray images: i.e., contrast, density, x-ray film, darkroom chemistry and procedures, cassettes, beam filtration, x-ray tube operation. PREREQ: Z 111 and Z 112. COREQ: RD 222.

RD 230 RADIATION BIOLOGY-PROTECTION (2-0-2)(F). General survey of radiation hazards and the potential consequences to both technologist and patient. The most appropriate means of minimizing the radiation dose will be emphasized. PREREQ: RD major or PERM/INST.

RD 234 INTRODUCTION TO RADIOGRAPHY CLINICAL EXPERIENCE (3-0-3)(F). Introduces the students to hospital structure, technical aspects of radiology, and medical ethics, and prepares the students for various professional and patient interactions prior to their hospital experience.

RD 242 RADIOGRAPHIC POSITIONING (4-0-3)(S). Continuation of RD 222. The basic concepts and procedures used in obtaining diagnostic radiographs of the digestive and urinary systems, pelvic girdles, bony thorax and the spines. PREREQ: RD 222, RD 211. COREQ: RD 221.

RD 252 RADIOGRAPHIC TECHNIQUE AND CONTROL (3-0-3)(S). Analysis of radiographic detail and distortion, radiation protection, construction and interpretation of x-ray film curves, portable radiography, type of fractures, basic

quality control of x-ray processors and equipment and the structure and function of phototimers. PREREQ: RD 222, RD 226. COREQ: RD 242.

RD 285 RADIOLOGIC TECHNOLOGY CLINICAL PRACTICUM (0-240-4)(S). Supervised clinical hospital experience. The student must complete 75% minimum of recently taught radiographic exams and a minimum 32 hours in dark-room and office procedures. PREREQ: RD 238.

Upper Division

RD 311 CLINICAL PRACTICUM (0-3-1)(F). Laboratory demonstration and practice of the radiographic positions discussed in RD 316. COREQ: RD 316.

RD 316 RADIOGRAPHIC POSITIONING (4-0-4)(F). Advanced positioning techniques of the cranium, facial bones, sinuses, and temporal bones. PREREQ: RD 222 and RD 242.

RD 320 RADIOGRAPHIC POSITIONING (2-0-2)(S). Methods of solving positioning problems by the use of special radiographic devices and techniques. COREQ: RD 321.

RD 321 CLINICAL PRACTICUM (0-3-1)(S). Laboratory demonstration and practice of the special radiographic devices and techniques discussed in RD 320. COREQ: RD 320.

RD 350 MEDICAL AND SURGICAL DISEASES (3-0-3)(F). General survey of various diseases and pathology of the human body as they pertain to radiology. Emphasis on how pathology is demonstrated on radiographs and its effect on radiographic quality. PREREQ: RD 252, RD 242.

RD 360 SPECIAL RADIOGRAPHIC PROCEDURES (4-0-4)(F). Fundamental concepts of the more specialized radiographic examinations with emphasis on studies of the nervous and circulatory systems.

RD 375 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-280-5)(SU). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. PREREQ: RD 285.

RD 385 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-360-6)(F). Supervised clinical hospital experience. The student must complete a minimum 40% of exams involving the skull, 40% exams in special procedures, and 50% continued competency exam list. PREREQ: RD 375.

RD 395 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-360-6)(S). Supervised clinical hospital experience. The student must complete a minimum 40% of special procedures and 50% continued competency exam list. Plus rotation in minor affiliates. PREREQ: RD 385.

RD 397 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-280-5)(SU). Supervised clinical hospital experience. Students rotate through several minor affiliates and complete a minimum 20% of continued competency exam list. PREREQ: RD 395.

RD 400 MANAGEMENT OF A RADIOLOGY DEPARTMENT (3-0-3)(F). Introduction to the set up and operation of a radiology department including design principles, projection of demands and providing for growth and development. Structural and shielding requirements will be discussed. PREREQ: PERM/INST.

RD 401 MANAGEMENT OF A RADIOLOGY SERVICE (3-0-3)(S). Applied principles and techniques of management and supervision. Includes departmental administration of records, equipment, personnel and budgets. PREREQ: RD 400, PERM/INST.

RD 402 IMAGING MODALITIES IN RADIOLOGY (3-0-3)(S). Discussions of various medical imaging modalities including Ultrasonography, C.T., NMR, PET, Digital Radiography, Electronic Imaging and Nuclear Medicine. Theory and operational principles will be examined along with economic impact, purchase and acquisition procedures and use considerations. PREREQ: PERM/INST.

RD 408 RADIOGRAPHIC QUALITY ASSURANCE (3-0-3)(S). Provide skills required for conducting and managing a radiographic quality assurance program. Includes demonstrations and performances with quality assurance instruments. Principles and techniques of daily photographic quality assurance will be introduced. PREREQ: PERM/INST.

RD 436 SEMINAR IN RADIOLOGICAL SCIENCES (2-0-2)(S). Analysis of new radiographic imaging systems, other radiographic modalities and review of the literature with presentations on various radiological science topics. PREREQ: RD 316, RD 350, RD 360. COREQ: RD 320.

Department of Respiratory Therapy

2268 University Drive

Telephone (208) 385-3383

Chairman and Associate Professor: Conrad Colby; Associate Professor: Ashworth; Instructor: Hopper, Lester.

Majors offered

Respiratory Therapy (3 yr.)

Respiratory Therapy (4 yr.)

Departmental Statement

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.

Department Admission Requirements and Application Procedures

Respiratory Therapy Program

Requirements for Admission:

1. Preprofessional Year
 - a. See University Admission Policy.
2. Professional Program
 - a. Only students who have completed or are in the process of completing the preprofessional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.
 - b. Health status must be adequate to ensure performance of hospital activities.

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 August of the year in which the student enters the professional program.

Application Process:

1. Preprofessional Year
 - a. See University Requirements.
2. Professional Program
 - a. All students must fill out and return to the Respiratory Therapy Department office a "Special Programs Application" on or before March 1 of the year in which they plan to attend the professional program.
 - b. Applicants may be required to have an interview during the spring semester of the preprofessional year. Contact the department chairman for specific dates.
 - c. 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.
 - d. After being notified of acceptance to the program, submit \$15.50 as prepayment for student name pin and clinical insurance. This nonrefundable cost is payable by May 1.
 - e. A \$14.00 Lab Fee, per academic year, is payable to the department by September 1 of each professional year.

Promotion and Graduation: Students who do not meet these requirements may be removed from the program:

1. Professional Program
 - a. Students must earn at least a "C" in every Biology, Health Science, Mathematics, Physical Science, and Respiratory Therapy course.
 - b. 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.

Required Program

Preprofessional Curriculum: All students who are considering entry into the Respiratory Therapy Program must have completed or be in the process of completing the following preprofessional curriculum. The preprofessional curriculum need not be taken at BSU.

	1st SEM	2nd SEM
PREPROFESSIONAL (FRESHMAN) YEAR		
English E 101-102	3	3
Human Anatomy & Physiology Z 111-112	4	4
Essentials of Chemistry C 107	-	3
Essentials of Chemistry Lab C 108	-	1
Intermediate Algebra M 108	4	-
Medical Terminology H 101	-	3
Elective (Area I)	3	-
Elective (Area II)	-	3
Elective	3	-
	17	17

PROFESSIONAL CURRICULUM

	1st SEM	2nd SEM
FIRST PROFESSIONAL (SOPHOMORE) YEAR		
Respiratory Therapy Theory I RT 203	2	-
Respiratory Therapy Theory II RT 223	-	2
Respiratory Therapy Lab I RT 204	1	-
Respiratory Therapy Lab II RT 224	-	1
Clinical Practicum I RT 208	3	-
Clinical Practicum II RT 228	-	3
Cardiopulmonary Physiology RT 201	4	-
Respiratory Therapy Nursing Arts RT 207	1	-
General Pathology RT 209	3	-
Emergency Procedures in Respiratory Care RT 213	1	-
Area I, II Core Electives	3	-
Pulmonary Function Lecture RT 225	-	2
Pulmonary Function Laboratory RT 226	-	1
Pulmonary Medicine I RT 227	-	1
Foundations of Physical Science PS 100	-	4
Microbiology B 205	-	4
	18	18

SUMMER

Area I, II Core Electives

6

SECOND PROFESSIONAL (JUNIOR) YEAR

Respiratory Therapy Theory III RT 303	2	-
Respiratory Therapy Theory IV RT 323	-	2
Respiratory Therapy Lab III RT 304	1	-
Respiratory Therapy Lab IV RT 324	-	1
Clinical Practicum III RT 308	4	-
Clinical Practicum IV RT 328	-	6
Radiologic Studies of the Respiratory System RT 305	1	-
Pulmonary Medicine II RT 327	3	-
Respiratory Cardiology RT 307	2	-
Professional Seminar RT 398	-	4
Principles of Pharmacotherapeutics RT 301	3	-
	16	13

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.

	1st SEM	2nd SEM
SENIOR YEAR		
Personnel Administration MG 305	3	-
Human Resource Management MG 401	3	-
Intro Information Sciences IS 210 OR Intro Financial Accounting AC 205	3	-
Electives (Area I or II)	3	-
Compensation Management MG 406	-	3
Respiratory Therapy Colloquium RT 401	-	3
Area I, II Core Electives	-	6
	12	12

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: PERM/INST.

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: PERM/INST.

RT 204 RESPIRATORY THERAPY LABORATORY I (0-2-1) (F). Medical gas techniques. PREREQ: PERM/INST.

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: PERM/INST.

RT 208 CLINICAL PRACTICUM I (0-12-3) (F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. PREREQ: PERM/INST.

RT 209 GENERAL PATHOLOGY (3-0-3) (F). Human pathology as pertains to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic and lymphoreticular systems, and respiratory system. PREREQ: PERM/INST.

RT 213 EMERGENCY PROCEDURES IN RESPIRATORY CARE (1-0-1) (F). Theory and technique necessary in emergency respiratory care. PREREQ: PERM/INST.

RT 223 RESPIRATORY THERAPY THEORY II (2-0-2) (S). Principles, application and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. In-depth study of hospital infection control including comparative studies and various sterilization and disinfectant techniques. PREREQ: PERM/INST.

RT 224 RESPIRATORY THERAPY LABORATORY II (0-2-1) (S). Use of hyperinflation therapy devices and chest physiotherapy. PREREQ: PERM/INST.

RT 225 PULMONARY FUNCTION LECTURE (2-0-2) (S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. PREREQ: PERM/INST.

RT 226 PULMONARY FUNCTION LABORATORY (0-2-1) (S). Practice in pulmonary function testing and techniques. PREREQ: PERM/INST.

RT 227 PULMONARY MEDICINE I (1-0-1) (S). Ventilation, perfusion, compliance, resistance and pathophysiology of the lungs. PREREQ: PERM/INST.

RT 228 CLINICAL PRACTICUM II (0-12-3) (S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. PREREQ: PERM/INST.

Upper Division

RT 301 PRINCIPLES OF PHARMACOTHERAPEUTICS (3-0-3) (F). Principles, practical uses and interactions of drugs and their relationship to disease. PREREQ: PERM/INST.

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: PERM/INST.

RT 304 RESPIRATORY THERAPY LABORATORY III (0-2-1) (F). Practice using mechanical ventilators and suctioning devices. PREREQ: PERM/INST.

RT 305 RADIOLOGIC STUDIES OF THE RESPIRATORY SYSTEM (1-0-1) (F). Presentation and interpretation of respiratory radiographs. PREREQ: PERM/INST.

RT 307 RESPIRATORY CARDIOLOGY (2-0-2) (F). Electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. PREREQ: PERM/INST.

RT 308 CLINICAL PRACTICUM III (0d) application of techniques and equipment to neonatology and pediatrics. PREREQ: PERM/INST.

RT 324 RESPIRATORY THERAPY LABORATORY IV (0-2-1) (S). Use of infant ventilators and specialty techniques pertaining to pediatrics. PREREQ: PERM/INST.

RT 307 RESPIRATORY CARDIOLOGY (2-0-2) (F). Electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. PREREQ: PERM/INST.

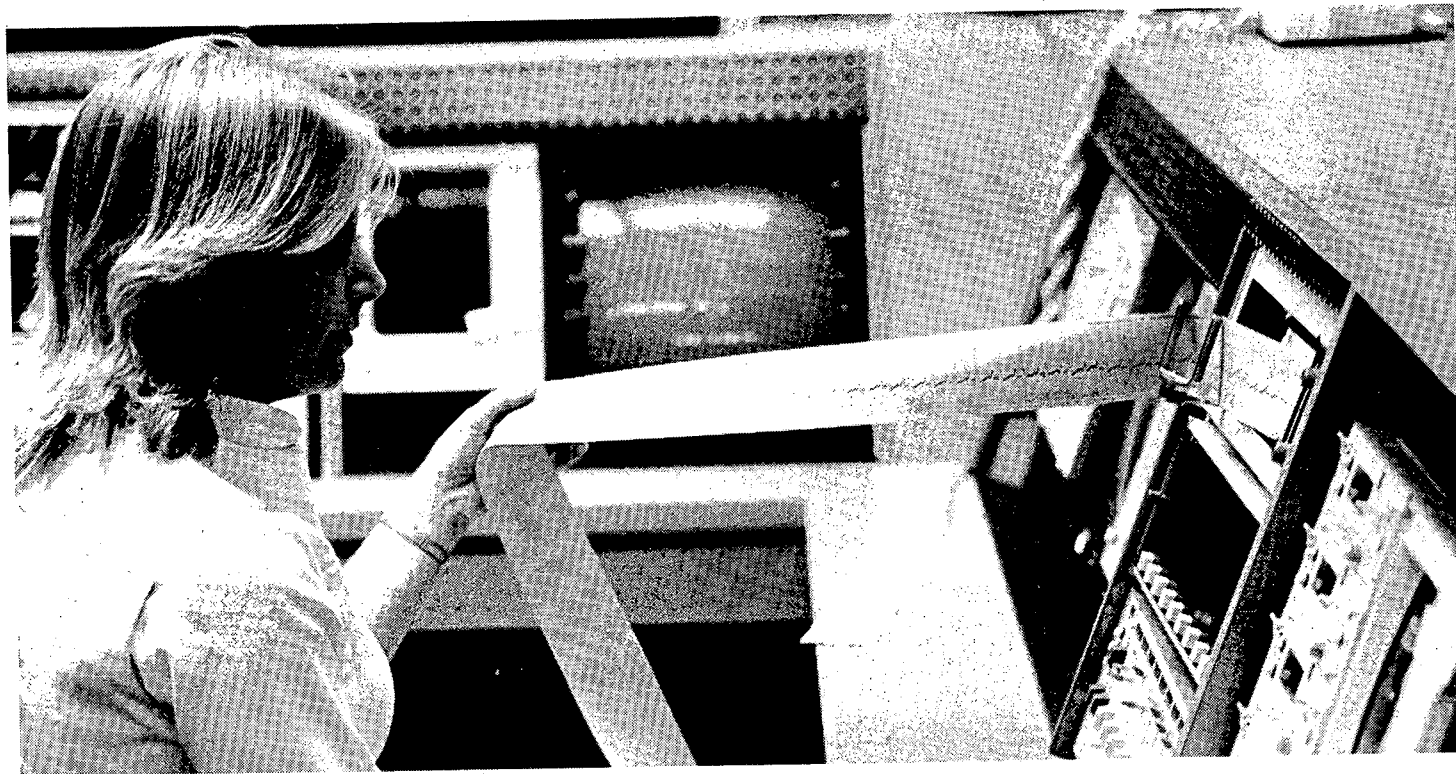
RT 308 CLINICAL PRACTICUM III (0cs). PREREQ: PERM/INST.

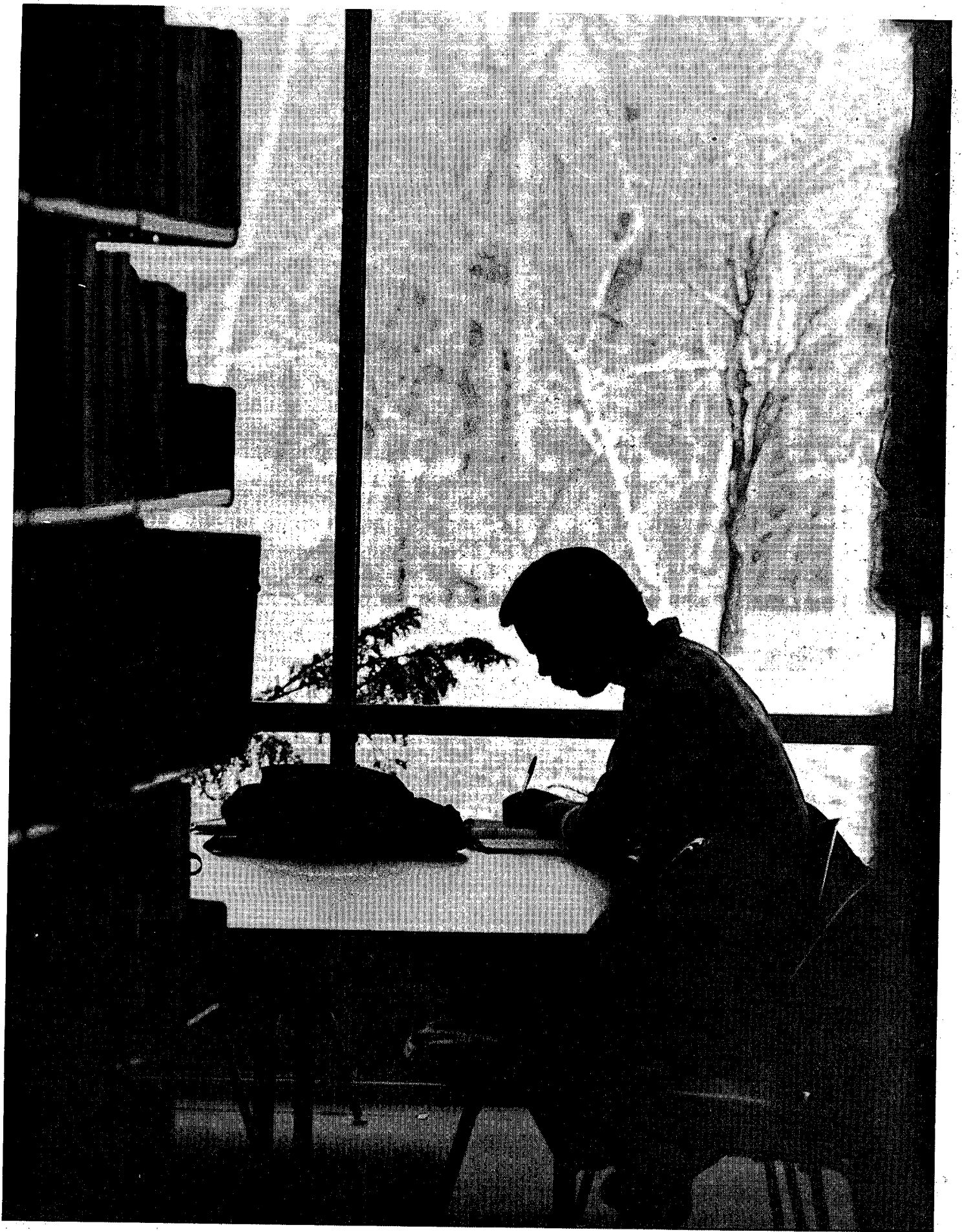
RT 327 PULMONARY MEDICINE II (3-0-3) (F). In-depth examination of pulmonary diseases, certain cardiac diseases, and the clinical management of these diseases. PREREQ: PERM/INST.

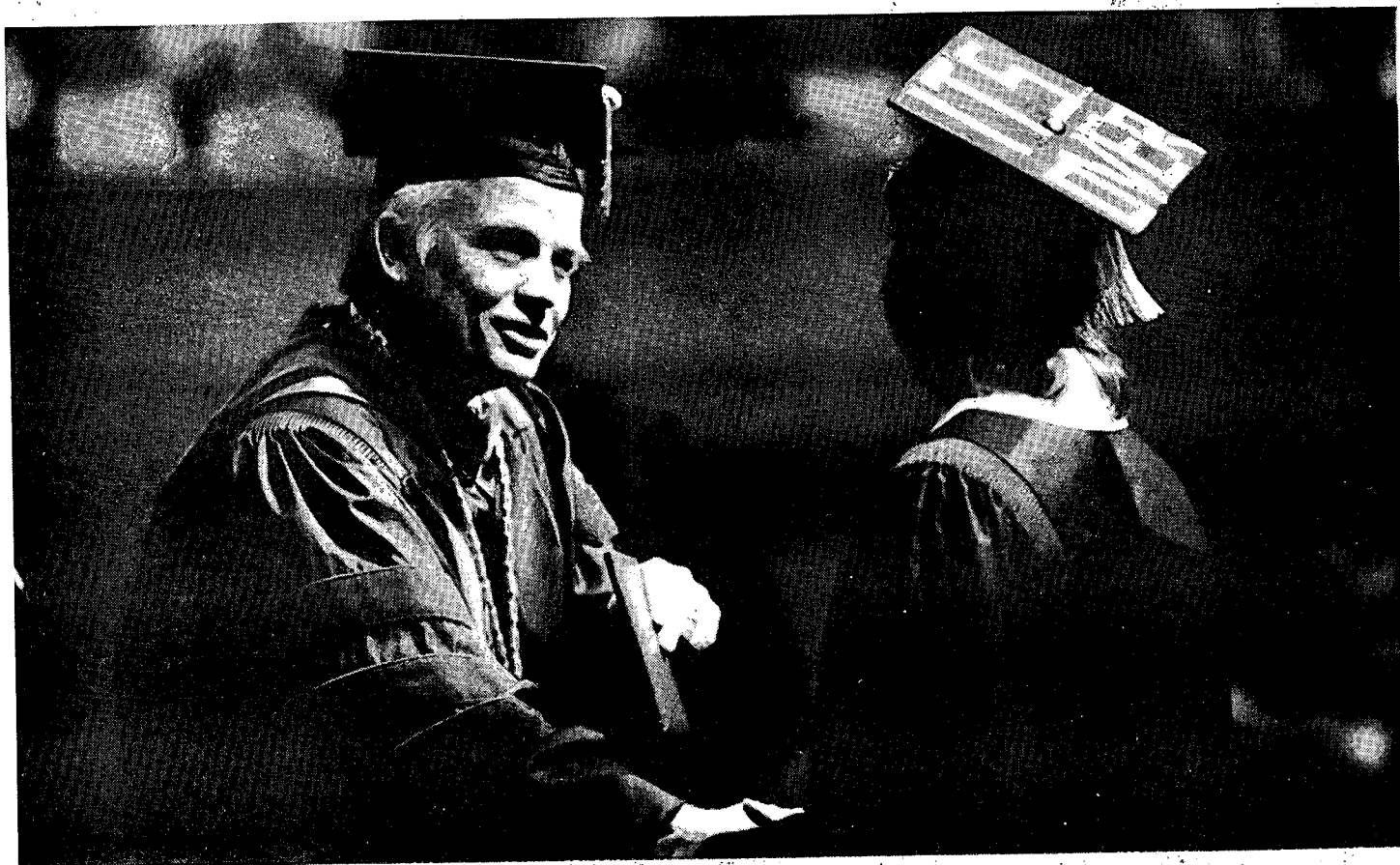
RT 328 CLINICAL PRACTICUM IV (0-24-6) (S). Experience in the hospital with any or all aspects of respiratory therapy. PREREQ: PERM/INST.

RT 398 RESPIRATORY THERAPY PROFESSIONAL SEMINAR (4-0-4) (S). Focuses on the ethics and medio-legal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and in interdepartmental relations are considered. PREREQ: PERM/INST.

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: PERM/INST.







Graduate College

Dean: Kenneth M. Hollenbaugh, Ph.D.
Business Building, Room 307
Telephone (208) 385-3648

Graduate Program Coordinators

Business: Associate Dean, College of Business: Stewart Tubbs, Ph.D.

Education: Associate Dean, College of Education: Lamont S. Lyons, Ed.D.

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.

Area of Emphasis

The Master of Arts/Science in Education includes eleven areas of emphasis: (1) Curriculum and Instruction, (2) Reading, (3) Special Education, (4) Early Childhood, (5) Art, (6) Business Education, (7) English, (8) Earth Science, (9) History, (10) Mathematics, and (11) Music.

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. Members of the graduate faculty are reviewed on a three year cycle to document their 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 wished to commence graduate study. Petitions for exceptions will be directed to the Graduate Dean. The transcripts are to be sent directly to the Boise State University Graduate Admissions Office by the Registrar of the college or university which the applicant previously attended. For that purpose the applicant should communicate with the Registrars concerned and then allow them sufficient time to process and mail the transcripts.

All documents received by the University in conjunction with such applications for admission become the property of Boise State University. Under no circumstances will they be duplicated except for University advisement, nor the original returned to the applicant or forwarded to any agency or other college or university.

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

Graduate College

institution, or furnishes proof of equivalent education.

2. The applicant has maintained a grade point average which meets the minimal requirements of the college 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 two 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: Applicants may be admitted to the Graduate College with provisional status if the department or academic unit in which they plan to study requires additional evidence of their qualifications for admission with regular status. No student may maintain provisional status indefinitely. The department or academic unit concerned will normally make a final determination of students with provisional status by the time they have completed twelve credits of approved study.

Graduate Courses for Undergraduate Credit

Boise State University seniors may take up to two 500 level courses for Upper Division credit applied to their Bachelor Degree Program. The necessary permit forms are available through the Graduate Admissions Office, the Registrar's 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 insofar as these credits will not prejudice his graduation during that academic year. The necessary Senior Permit Forms are available at the Graduate Admissions Office, Registrar's Office, and the office of each dean. Credits earned in this manner are "reserved" to count toward a graduate dean.

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 courses in a graduate program. Grades below C cannot be used to meet the requirements of a graduate degree. Grades on transfer work will not be included in computing grade point average.

Repeat, Retake Policy: A student who earns a grade of D in a graded 500 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 college fielding the program, can be accepted as residence credit.

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" apply to graduate courses. In particular, the decision to allow or not allow challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the college officer in charge of the graduate program to which the course is applied.

Program Admission and Continuation Requirements

Application for Predictive Examinations: 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.

Program Development Form: Graduate students in regular or provisional status will complete a Program Development Form with their advisor or committee before the end of the first academic period (summer, fall or spring) in which they take graduate work at Boise State University, after having been notified of admission in regular or provisional status.

The Program Development Form will be available from the colleges offering graduate degree programs. The advisor or committee will field 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.

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.

Foreign Language Requirements: Language requirements are determined by the department concerned. If a foreign language is required, students must demonstrate that they possess a reading knowledge of a language specified by the department.

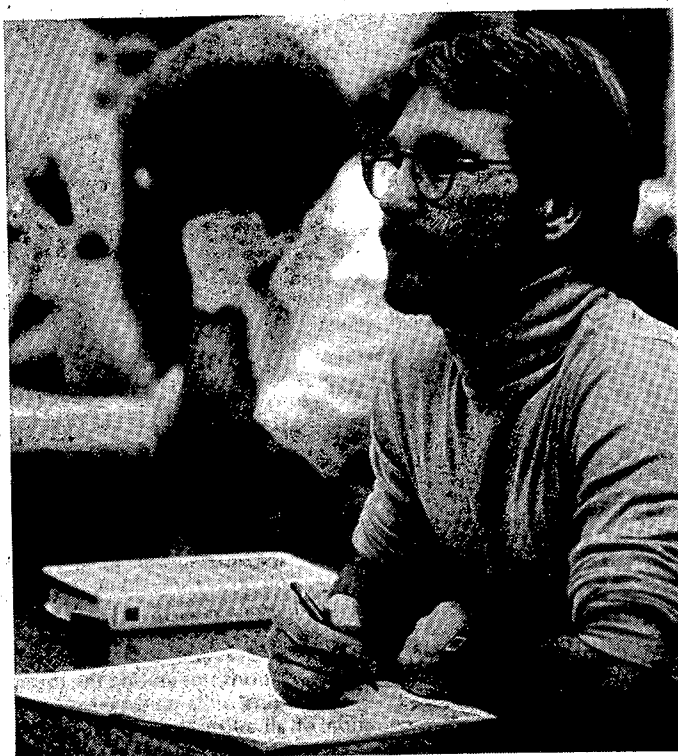
Thesis Requirements: The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. The final copy of the thesis must be reviewed by the student's supervisory committee and submitted to the Dean of the Graduate College at least three weeks before commencement.

Candidacy: Students should apply for admission to candidacy and graduation as soon as they have completed twelve hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, have removed all listed deficiencies, and have 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.

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.

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. Some graduate courses have a standard numbering system throughout the university.

University-Wide Numbers of Graduate Offerings:

580-590	Selected topics
590	Practicum
591	Project
592	Colloquium
593	Research and Thesis
594	Extended Conference or Workshop (graded A-F)
595	Reading and Conference
596	Directed Research
597	Special Topics
598	Seminar
599	Short-Term Conference or Workshop*

*Graded Pass or Fail. This number is available in any semester or session for courses meeting 3 weeks or less.

Credit Limitation in Courses Graded Pass or Fail and Directed Research: A maximum of three credits earned with a grade of P will be allowed toward the credit requirements for a Master's degree at Boise State University. Master's programs at Boise State University may include directed research credits, at the discretion of the graduate student's supervising committee or professor, through a limit of 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.

Undergraduate Courses for Graduate Credit: 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.

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) the establishment of a basic core of courses at all three cooperating institutions plus optional areas of emphasis which may vary among the universities and which reflect the particular areas of specialization available at the respective universities.

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

Admission to the MPA Program

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 a university other than that of the chairman of the student's advisory committee. No specific undergraduate program is required in preparation for the MPA program. It is anticipated that students will come from widely differing academic preparations.

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 with 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 3 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. Submittal of a brief statement by the applicant indicating career objections 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):

American National Government PO 101	3
State, Local Government PO 102	3
Introduction to Public Administration PO 303	3

At least three credits in each of two of the following areas:

Sociology
Economics
Psychology

At least three credits in one of the following areas:

Accounting
Data Processing
Social Statistics

For those students selecting Human Services Administration as their area of emphasis for specialized preparation in Public Administration, at least 9 credits in Sociology.

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.

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. 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 a 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. Public Finance, Budgeting & Administrative Management
6. Environmental & Natural Resources Administration
7. Local Government Administration
8. Human Services Administration

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

Course offerings

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.)

Administrative Theory, Organization, and Behavior: Organizational Theory & Bureaucratic Structure PO 487G.

Public Management Techniques: Fiscal Processes & Public Budgeting Process PO 510; Program Evaluation & Quantitative Analysis PO 511; Human Resource Management MG 541; Computer Applications for Management IS 542

Public Policy and Policy Analysis: Public Policy Formulation & Implementation PO 520

Administrative Law: Administrative Law PO 467G

The Executive & the Administrative Process: The Role of the Executive in Policy Making PO 530

Intergovernmental Relations: Intergovernmental Relations PO 469G

Community & Regional Planning: (No course offering yet provided at BSU)

Comparative Public Administration & Planning Systems: Comparative Public Administration PO 465G.

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.)

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 partic-

ular area of specialization. At BSU the student may select the remaining 12 credit hours of coursework from the courses listed below:

Comparative Public Administration PO 465G, Administrative Law PO 467G, Intergovernmental Relations PO 469G, Program Evaluation and Quantitative Analysis PO 511, The Role of the Executive in Policy Making PO 530.

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

Arrangements may also be made in the following courses: Thesis PO 593, Reading and Conference PO 595, Directed Research PO 596, Conference/Workshop PO 599.

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

Criminal Justice Administration: Special Programs in Correctional Treatment CR 510, Special Problems of the Juvenile and Youthful Offender CR 511, Reading and Conference CR 595, Seminar in Criminal Justice Administration CR 598.

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

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

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

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

Human Services Administration: Conflict & Change in Socio-Cultural System SO 510, The Sociology of Age—Group Stratification SO 511, Social Demography SO 512, Selected Topics—Human Services, Administration SO 580, Reading and Conference SO 595.

Course offerings

PO POLITICAL SCIENCE COURSES

Graduate

PO 465G COMPARATIVE PUBLIC ADMINISTRATION (3-0-3)(F/S). Systematic examination and comparison of varied models and theories of administrative systems. Intrnational and international studies. (Students enrolled 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/S). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. (Student enrolling in this course for graduate credit will be assigned special requirements on preparation.) PREREQ: PO 303.

PO 487G ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3)(F/S). Socio-political analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. (Students enrolling in this course for graduate level credit will be assigned special requirements on preparation.)

PO 510 FISCAL PROCESSES AND PUBLIC BUDGETING PROCESS (3-0-3)(F/S). Determination of fiscal policy, budgeting processes, and governmental forms of budgeting. Consideration of fiscal policy and processes in various program areas. Emphasis on the interface between technical and political processes.

PO 511 PROGRAM EVALUATION AND QUANTITATIVE ANALYSIS (3-0-3)(F/S). Application of social science research to administrative problems, including practical methods of gathering, analyzing, and interpreting data. Theory and basic techniques underlying quantitative analysis of public programs.

PO 520 PUBLIC POLICY FORMULATION AND IMPLEMENTATION (3-0-3)(F/S). Process of policy-making both within an agency and within the total governmental process, emphasizing policy and program planning, policy implementation and the value system of administrators.

PO 530 ROLE OF THE EXECUTIVE IN POLICY MAKING (3-0-3)(F/S). The American executive: president, governor, and mayor. Consideration given to changes

in institution settings and role conceptions. Role of the executive in policy-making process. Sources of strength and weakness and strategies used to enact their programs. Problems of relationship of executive to bureaucracy.

SELECTED TOPICS (3-0-3). To be offered as staff availability permits:

- PO 580 ADMINISTRATIVE THEORY, ORGANIZATION AND BEHAVIOR
- PO 581 PUBLIC MANAGEMENT TECHNIQUES
- PO 582 PUBLIC POLICY AND POLICY ANALYSIS
- PO 583 ADMINISTRATIVE LAW
- PO 584 EXECUTIVE AND ADMINISTRATIVE PROCESS
- PO 585 INTERGOVERNMENTAL RELATIONS
- PO 586 COMMUNITY AND REGIONAL PLANNING
- PO 587 COMPARATIVE PUBLIC ADMINISTRATION AND PLANNING
- 587 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 chairman 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 procedures with a designated professor and a documental paper covering the subject of the independent study.

PO 599 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. PREREQ: CR 30L.

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 population 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 service 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

Master of Business Administration

Objectives

The objective 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.

Matriculation requirements

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.

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 date.)

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 junior/senior GPA plus GMAT score must equal 1050 minimum.
3. For foreign students, in addition to the above formulae minima, 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.

5. All applicants must be accepted by the Graduate College of Boise State University in order to achieve the Master degree.

Degree requirements

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 a 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 those courses.

Under certain conditions with the approval of the MBA program coordinator and the Department head concerned, MBA students may earn up to a maximum of 3 credit hours of Directed Research and/or Internship credits which apply to graduation requirements.

MBA—Required Core Courses

GB 510 BUSINESS AND SOCIETY (3-0-3)(F/S). 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 BUSINESS AND ITS ENVIRONMENT (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.

MK 519 MARKETING MANAGEMENT CONCEPTS (3-0-3)(F/S). Interdisciplinary analytical integration of marketing management concepts and theories 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 530 FINANCIAL MANAGEMENT (3-0-3)(F/S). 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)(F/S). 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 planning and control.

MG 540 ORGANIZATION THEORY (3-0-3)(F/S). 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 to group dynamics, power, leadership and influence.

EC 560 ECONOMICS OF PUBLIC POLICY (3-0-3)(F/S). 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)(F/S). Utilizes complex business cases, business simulation and specialized functional knowledge to determine business decisions, strategy 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.

*Student selects either DS 512 or DS 514.

MBA—Elective Courses

AS 512 COMMUNICATION TECHNIQUES FOR MANAGERS (3-0-3)(Intermittent). 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 542 COMPUTER APPLICATIONS FOR MANAGEMENT (3-0-3)(F). 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 applications are explored.

MG 541 HUMAN RESOURCE MANAGEMENT (3-0-3)(F/S). Effective management of human resources including discussion of the supervisory processes conducive to reducing labor costs and increasing productivity. Special attention is given the human, organizational, and environmental constraints which limit managerial actions. Techniques for effectively functioning within these constraints.

MK 520 MARKETING PROBLEMS (3-0-3)(Intermittent). Analytical approach to marketing problem solving and decision making. Covers market definition, personal selling, advertising and sales promotion, distribution channels, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

SELECTED TOPICS: Contemporary topics courses offered intermittently.

- AC 580 SELECTED TOPICS - Accounting (3-0-3)
- IS 581 SELECTED TOPICS - Information Systems (3-0-3).
- EC 582 SELECTED TOPICS - Economics (3-0-3).
- FI 583 SELECTED TOPICS - Finance (3-0-3).
- MG 584 SELECTED TOPICS - Industrial Psychology (3-0-3).
- MG 585 SELECTED TOPICS - Management (3-0-3).
- MK 586 SELECTED TOPICS - Marketing (3-0-3).

590 INTERNSHIP. Available on a selective, limited basis. MBA students should consult with pertinent faculty and coordinator.

596 DIRECTED RESEARCH (1-3 credits). Involves special projects undertaken by the student, consisting of individual work suited to the needs and interests of the student. The course embodies research, discussions of the subject matter and procedures with a designated professor, and a documented paper covering the subject.

Undergraduate "G" Courses

Two may be taken for graduate credit if cleared by Graduate Program Coordinator.

AC 440G ACCOUNTING THEORY (3-0-3)(S). 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.

DS 408G OPERATIONS MANAGEMENT (3-0-3)(S). Quantitative tools needed in the operations and production management fields for effective decision making. The nature of interactions between the operations manager and the other business systems will be developed. Typical topics include: process design, facilities layout and location, and aggregate planning. PREREQ: DS 208, 366, MG 301.

DS 409G DECISION ANALYSIS (3-0-3)(S). Decisions analysis tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. Emphasis will be on presenting the tools in actual business applications. PREREQ: DS 208, MG 301.

EC 421G-422G ECONOMETRICS (3-0-3)(F/S). 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 PERM/INST.

FI 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 303, EC 301.

FI 450G INVESTMENT MANAGEMENT (3-0-3)(F/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: FI 303, DS 208 and FI 250.

GB 441G GOVERNMENT AND BUSINESS (3-0-3)(S). Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. PREREQ: GB 202.

MK 415G MARKETING RESEARCH (3-0-3)(F/S). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project.

Graduate Programs College of Education

Master of Arts or Science in 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 an 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 nine 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. A maximum of six semester credits of pass-fail workshop credits will be allowed in the degree program. No variation from these requirements will be permitted.

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 Core: Art, Business Education, Earth Science, English, History, Mathematics and Music emphases:

TE 570 Graduate Core-Issues in Education.....	3
TE 563 Conflicting Values in Education.....	1
Elective Courses (Select 2 from the following)	
TE 564	1
TE 565	1
TE 566	1
TE 568	1
TE 569	1
Total	6

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
	33

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
	33

(Thesis/Project 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: 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	3
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 5433
 Advancing, Physical and Intellectual Competencies in
 Early Childhood Education3

Selected Electives (6):

Creativity in Early Childhood Education TE 5453
 Diagnosis & Evaluation in Early Childhood Educ TE 5463
 Language Acquisition & Develop in Early Child Educ TE 5473
 Program Development in Early Child Educ TE 5483

I. Thesis-Project Option

Fundamentals of Educ Research for Teachers3
 Thesis-Project TE 591-5936

II. Comprehensive Written Examination Option

Either

Fundamentals of Educ Research for Teach TE 5513

Or

Interpreting Educational Research TE 565 (part of core) ... 1-3

Open Electives3-11

Total Credits33

Special Education

For Those Primarily Responsible for Elementary School Instruction

I. Special Education Emphasis for Mild-Moderate Handicapped

Required Courses

1. Graduate Core9
 2. Development of Skills for Teaching Pupils with
 Learning Difficulties3
 3. The Emotionally Disturbed Child in the Classroom TE 5234
 4. Practicum in Special Education TE 5904
 Counseling and Consulting in the Elementary and
 Special Classroom P 5013
 Total Credits22

Electives selected from courses listed below.

Behavior Intervention Techniques TE 450G3
 Instructional Materials for the Exceptional Child TE 4403
 Diagnosis of Reading Problems TE 5023
 Remediation of Reading Problems TE 5033
 Individual Tests & Measurements TE 5053
 Physical Education in Special Education PE 5942

Elective Options. Choose I or II below:

I. Thesis-Project Option

Fundamentals of Educ Rsch for Teachers TE 5513
 Thesis-Project TE 591-5936
 Electives3

II. Comprehensive Written Exam Option

Fundamentals of Educ Rsch for Teachers TE 5513

Or

Interpreting Educational Research TE 5651

Electives9

Total Credits33

II. Special Education Emphasis for Severely Handicapped

Required Courses

Graduate Core9
 Behavior Intervention Techniques TE 450G3
 Development of Skills of Teaching Moderately/
 Severely Handicapped TE 5173
 Practicum in Special Education TE 5904
 Counseling and Consulting in the Elementary and
 Special Classroom3
 Total Credits22

Electives selected from courses listed below.

Teaching the Severely Handicapped TE 423G3
 Instructional Materials for the Exceptional Child TE 4403
 Child Behavior in Early Childhood Education TE 4613
 Curriculum in Early Childhood Education TE 4623
 Individual Tests & Measurements TE 5053
 Physical Education in Special Education PE 5942

Elective Options. Choose I or II below.

I. Thesis-Project Option

Fundamentals of Educ-Research for Teachers TE 5513
 Thesis-Project TE 591-5936
 Electives3

II. Comprehensive Written Exam Option

Fundamentals of Educ Research for Teachers TE 5513

Or

Interpreting Educational Research (core) E 5651

Electives9

Total Credits34

For Those Primarily Responsible for Secondary School Instruction

III. Secondary Education Special Education Emphasis

Required Courses

Graduate Core9
 1. The Emotionally Disturbed Child in the Classroom TE 5233
 2. Teaching Skills for Remediation of Learning Disabled
 Students TE 5153

Or

Development of Skills of Teaching Moderately/
 Severely Handicapped TE 5173

Behavior Intervention Techniques TE 450G3

Practicum in Special Education TE 5904

22

Electives

Individual Tests & Measurements TE 5053

Internship in Secondary Special Education TE 5943

Directed Research in Secondary Special Education TE 5963

Elective Options. Choose I or II below.

I. Thesis-Project Option

Fundamentals of Educ Research for Teachers TE 5513
 Thesis-Project TE 591-5936
 Electives3

II. Comprehensive Written Exam Option

Fundamentals of Educ Research for Teachers TE 5513

Or

Interpreting Educational Research (Core) TE 5651

Electives9

Total Credits34

Reading

For Those Primarily Responsible for Elementary School Instruction

1. Graduate Core9
 2. Survey of Reading Instruction TE 5013
 3. Diagnosis of Reading Problems TE 5023
 4. Remediation of Reading Problems TE 5033
 5. Seminar in Reading TE 5043
 6. Elective Options. (Choose I or II below)

I. Thesis-Project Option

Fundamentals of Educ Research for Teachers TE 5513
 Thesis-Project TE 591-5936
 Electives3

II. Comprehensive Written Exam Option

Fundamentals of Educ Research for Teachers TE 5513

Or

Interpreting Educational Research

(taken as part of 9-credit core) 9 or 12

Total Credits33

Reading

For those Primarily Responsible for Secondary School Instruction

1. Graduate Core9
 2. Diagnosis of Reading Problems TE 5023
 3. Remediation of Reading Problems TE 5033
 4. Seminar in Reading TE 5043
 5. Relating Reading Processes to Sec School
 Subjects TE 5073
 6. Teaching Reading in the Secondary Schools TE 5083

Graduate College

7. 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	
Fundamentals of Educ Research for Teachers TE 551	3
Or	
Interpreting Educational Research	1
(taken as part of 9 credit Core) TE 565	1
Electives	6 or 9
	33

Course offerings

PE - PHYSICAL EDUCATION

Graduate

PE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(SU). Alternate years. 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.

PE 594 PHYSICAL EDUCATION IN SPECIAL EDUCATION (2-0-2)(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 identifying motor problems and plan the remedial needs for correction.

P PSYCHOLOGY

P 501 COUNSELING AND CONSULTING IN THE SPECIAL CLASSROOM (3-0-3)(F, 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, PERM/INST. 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.

TE TEACHER EDUCATION

TE 501 ADVANCED PRACTICES AND PRINCIPLES OF TEACHING READING (3-0-3). The total reading process is examined. Areas such as readiness, grouping, methodologies, new approaches, dictionary, word attach, 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)(SSU). 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)(FSU). 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 intense 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)(F). This course is designed for secondary teachers in all academic areas who desire to develop efficient methods of utilizing instructional materials in their content subjects.

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 skills, organization of the program 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)(S). Emphasis on creative methods and strategies for teaching elementary school mathematics. Also includes a review of current research, curriculum trends and exploration of experimentation with unique materials for teaching mathematics.

TE 512 ADVANCED PRINCIPLES AND PRACTICES 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, phonetics, 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 application 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 latest educational media available for use. Evaluation of the materials in a media center will be studied. Emphasis upon the use of a curriculum resource center in the local school system will be made every other year.

TE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(SSU). 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)(SSU). Emphasis upon the individualized approach to reading instruction is developed. Techniques of conferencing book selection, skill development and independent language arts 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 educational 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. Idaho minority groups will be emphasized.

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) natural factors such as race, language and environment; (3) secular factors such as Humanism, Socialism and Nationalism.

TE 543 RESEARCH AND REVIEW IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). Research in child development and early childhood education will be reviewed and synthesized in a seminar format.

TE 544 ADVANCED PHYSICAL AND INTELLECTUAL COMPETENCIES IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). This is an advanced K-3 education course designed to study the role of the teacher in the advancement of physical and

intellectual competence of K-3 children. Areas of emphasis will be physical, creativity, cognitive and language development. Odd numbered years.

TE 545 CREATIVITY IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). A course for early childhood teachers seeking to explore factors associated with creativity, establishing creative learning environments, and techniques and strategies enhancing creative and productive expression in the classroom. Emphasis is placed on designing techniques for creative teaching and on evaluating growth in creativity of children.

TE 546 DIAGNOSIS AND EVALUATION IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). Literature review on various tests and assessments for the young child. Students will pursue an area of interest to them and conduct experiences or give established tests to gain knowledge and understanding of that area on how children learn. Odd numbered years.

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. Looks at approaches to facilitate language development in children of standard and non-standard English speaking backgrounds. Discuss factors which can interfere with or promote the development of language. Odd numbered years.

TE 548 PROGRAM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). This is an advanced course in education planning to give the student theoretical and practical experiences 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.

TE 555 SUPERVISION OF INSTRUCTIONAL PERSONNEL (3-0-3)(S). A course designed to improve the supervision skills of elementary/secondary cooperating teachers and other supervisory personnel. Emphasis will be placed on a variety of observation and evaluation strategies designed to improve instruction.

TE 559 VALUES AND IDEOLOGIES IN EDUCATION (3-0-3)(S). Students will analyze and evaluate past and contemporary philosophies and ideologies and values derived from them as they apply to education.

TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(SU). Students will explore ideological positions which have affected educational programs and policies. They will be asked to carefully consider their own values and analyze how these positions affect their modes of classroom operation. **PREREQ:** Graduate status, **COREQ:** TE 570, 571

TE 564 CREATIVE TEACHING - SECONDARY SCHOOLS (1-0-1)(SU). The course will explore various approaches to classroom teaching methodology and atmosphere which are innovative and creative.

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(SU). This course will prepare students to read, understand, and critically analyze educational research in their own fields. It includes basic research terminology, strengths and weaknesses in research design, and interpretation of research results. **COREQ:** TE 570, 571.

TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(SU). A graduate level course designed to provide an introduction to current learning theories and how these in turn affect classroom instruction, textbook development and curriculum trends.

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(SU). This course will explore approaches to effectively working with students in elementary and secondary classrooms. Skill development and theoretical considerations related to developing healthy and productive learning environments will be emphasized.

TE 569 TESTING AND GRADING (1-0-1)(SU). This course will include an introduction to the theories and fallacies of testing and grading. Problems and methods of constructing teacher-made tests will be included, with practice in designing better tests and systems of grading. **COREQ:** TE 570, 571.

TE 570 GRADUATE CORE ISSUES IN EDUCATION (3-0-3)(SU). This course is part of the graduate education core. The content of this course varies, depending upon the current educational issues, but does always include readings, large group presentations, and small group discussions over philosophical, psychological, and sociological aspects of education.

TE 571 GRADUATE CORE DIRECTED WRITING (3-3-3)(SU). This course is part of the graduate education core. Included in this course is a series of classes designed to familiarize students with elements of writing style and library research. Students will select a topic and write a formal paper on an issue raised in core. **COREQ:** TE 570.

TE 573 CREATIVE TEACHING - ELEMENTARY SCHOOL (1-0-1)(SU). An exploration into the meaning of creative teaching and learning. Emphasis on establishing environments which foster creativity and strategies which encourage creative thinking and behavior. Special emphasis on designing practical classroom techniques for the teacher's classroom and evaluating creative growth of children.

TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3)(S). This is a

general course for practicing teachers intended to give them a foundation in curriculum theory and practice. They will develop understanding of how curriculum is developed, organized, implemented and evaluated. Current issues and trends in curriculum with some historical perspective, will be explored.

TE 582 ANALYSIS AND IMPROVEMENT OF INSTRUCTION (3-0-3)(S). Techniques will be taught to help teachers assess their strength and weaknesses and implement plans for self-improvement. Practice will be provided in using tools of analysis, which may include content analysis, Flander's Interaction Analysis System, student performance, and nonverbal behavior. Students will be required to develop and implement plans for improving the quality of instruction in their classrooms.

TE 590 PRACTICUM (Variable credits). This course is designed to provide laboratory experiences that allow for the application of methodology, strategies, teaching skills and research related to the specific needs of the student. Arrangement prior to enrollment must be made with the instructor. Required for teaching exceptional students.

TE 591 PROJECT (0-12-6).

TE 593 THESIS (0-12-6).

Master of Arts in Education Art Emphasis

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

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

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

Program areas of study are as follows:

- Required Courses:

Art Appreciation in the Educational Program AR 501	3
Special Methods: Curric & Develop in Art Educ AR 551	3
Project AR 591	6

Or

Thesis (or additional hours) AR 593	6
Education Core courses TE 570	6

- Studio or Content; Six (6) credits in the studio. Studio concentration and emphasis will be determined by the student and his committee.
- Electives; The remainder of the student's work may be elected in relation to his background, interests, and professional objectives in consultation with his major advisor and committee.

Course offerings

AR-ART

Graduate

AR 501 ART APPRECIATION IN THE EDUCATIONAL PROGRAM (3-0-3)(F). Emphasis will be placed 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 521 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-2)(SU). (Previously approved for Elementary Master's Degree). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as written paper. **PREREQ:** Graduate standing. Summers only by request.

AR 522 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-3)(SU). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to the teaching experiences. Some outside read-

Graduate College

ing will be required, as well as a written paper. PREREQ: Graduate standing. Summers only by request. Alternate years.

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 PERM/INST.

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

TE 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

AR586 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.

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

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

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

A one-person art show with a faculty review.

A submitted portfolio of work with a fall faculty review.

PREREQ: Graduate status.

AR 598 SEMINAR IN ART (3-0-3)(S)(Previously approved for Elementary Master's Degree). Upon selection of an approved topic, the student will research it thoroughly, present an annotated bibliography, and present an oral report of the report of the topic, utilizing visual material in his presentation. The student will then present a research paper concerning his topic. PREREQ: Graduate standing.

C - CHEMISTRY

C 401G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F). Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, nonaqueous solutions, and selected properties of elements of the periodic table and organic compounds. PREREQ: Physical Chemistry, C 322 or PERM/INST.

C 411G INSTRUMENTAL ANALYSIS (2-3-4)(S). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. PREREQ: Quantitative Analysis C 211 and Organic Chemistry C 320. C 320 may be taken concurrently with C 411.

C 431G INTRODUCTION TO BIOCHEMISTRY (3-0-3)(F). A study of the chemistry of biologically important compounds, and an introduction to metabolism. PREREQ: C 318.

C 432G BIOCHEMISTRY LABORATORY (0-3-1)(S). Identification, isolation, and reaction of biologically important compounds. PREREQ: C 431 or concurrent enrollment.

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

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 interrelationships 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 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.

Master of Arts in Education Business Education Emphasis

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:

ordinarily show eligibility for certification by the State of Idaho (or any other state), and have completed the following prerequisite courses or their equivalent:

Principles of Accounting AC 205, 206	6
Principles of Economics EC 201, 202	6
Legal Environment of Business GB 202	3
Intro Information Science IS 210	3
Princ of Marketing MK 301	3

Program Requirements: A maximum of 14 credit hours may be taken from the College of Business courses (excluding BE courses).

Graduate Core Courses	6
Business Courses	12 credits chosen from
Business Education:	
BE 511 Graduate Study in Business Education (required)	3
BE 520 Curr and Instr in Sthnd, Trnscrptn & Off Procs	3
BE 530 Curr and Instr in Typewrtng, Bkpng-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 Prncpls and Orgnztn of Voc Ed Programs	3
BE 443G Admin and Coord of Cooperative Programs	3
BE 597 Special Topics	3
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.
Free Electives	9
Option of:	
Thesis—BE 593	3-6
Project—BE 591	3-6
Additional coursework	3-6

Any approved 400-level "G" courses limited to 6 credits.

Course offerings

Required Courses:

TE 570 Graduate Core Courses	6
Graduate Study in Business Education	3
BE 593 Thesis or BE 591 Project	3-6
The Department recommends a thesis or project. However, the option of additional hours in Business Education is available upon approval of the Committee Chairperson.	

Elective Courses:

Additional courses as selected by the student and his graduate committee to meet program requirements.

ADDITIONAL INFORMATION

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.

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 PERM/INST.

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: PERM/INST.

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: PERM/INST.

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 Basic Business and Economics. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. PREREQ: PERM/INST.

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: PERM/INST.

BE 591 PROJECTS (3-6 credits).

BE 593 THESIS (3-6). 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 on an individual basis. PREREQ: Graduate Status and PERM/INST.

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. 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 students and their graduate committee. A final comprehensive oral and/or written examination over course work and the thesis or project is required.

Course offerings

GO - GEOLOGY

Graduate

GO 511 ENVIRONMENTAL GEOLOGY (3-0-3)(F). Land-use planning; techniques for investigation of surficial materials and water resources. Geologic hazards, surficial deposits and their engineering and hydrologic properties, ground and surface water, waste disposal. Term report required, field trips required. This course can be taken for undergraduate credit by filling out necessary forms. PREREQ: GO 221, or PH 220.

GO 521 ADVANCED TOPICS IN EARTH SCIENCE (3-0-3)(SU). The study, review, and discussion of literature, demonstrations, teaching aids relative to geology, astronomy, meteorology and oceanography. 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 PERM/INST.

GO 531 REGIONAL GEOLOGY OF NORTH AMERICA (3-0-3)(S). A systematic study of the geologic provinces of North America with special emphasis on geological relationships and physical evolution. Each province is investigated in terms of its structural and geologic history and mineral resources. PREREQ: Graduate status of PERM/INST.

GO 541 METHODS AND TECHNIQUES OF GATHERING, MEASURING AND TESTING GEOLOGIC DATA (3-0-3)(F). A study of correct and approved ways to collect representative field samples of rocks, minerals, fossils, etc., to measure topographic, structural and stratigraphic entities; to analyze and classify statistically sedimentational, petrologic and mineralogic samples with laboratory techniques, and to log subsurface data. PREREQ: PERM/INST.

GO 551 CURRENT TOPICS IN GEOLOGY (3-0-3)(S). An investigation of current research, debates and developments regarding practical, as well as theoretical, issues in Geological Science. PREREQ: Graduate status or PERM/INST.

GO 561 EARTH SCIENCE TEACHING TECHNIQUES (3-0-3 or 4-0-4)(F/S). This course is a study of the objectives, methods, and materials of instruction in Earth Sciences. Emphasis will be placed on the preparation and presentation of lectures, laboratory exercises and field trips. This course provides the student with internship experience in the laboratory and lecture classroom. PREREQ: Graduate status or PERM/INST.

GO 571 GEOCHEMISTRY (3-0-3)(S). Field trip required. Chemical equilibrium applied to natural water systems. Oxidation and reduction in sedimentation and ore genesis, methods of exploration geochemistry, crystallization of magmas, ore-forming solutions, isotope geochemistry. This course can be taken for undergraduate credit by filing necessary forms. PREREQ: GO 101, C 133, M 204.

GO 591 PROJECT (7-3 to 0-6). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. PREREQ: Graduate status and 15 credits in Earth Science or PERM/INST.

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 interpretations of existing data collected by library research. A final report suitable for presentation at a meeting of Earth Science professionals is required. PREREQ: Admission to candidacy.

GO 596 DIRECTED RESEARCH (0-1 to 0-4). 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 Geology or Fundamentals of Geology and/or PERM/INST.

GO 598 GRADUATE SEMINAR (0-1 to 0-3). The preparation and presentation of

Graduate College

oral and written reports on topics in earth science and/or science education. Presentation of oral reports may take the form of debate. Preparation of visual aids and geologic illustrations will be emphasized. PREREQ: Admission to candidacy or PERM/INST.

GS GENERAL SCIENCE

GS 501 HISTORY OF SCIENCE (3-0-3)(F/S). This is a survey of humanity's efforts to understand the natural world. "Ancient Science" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS credit, but not for both.

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 admitted on a provisional basis and will be advised what steps to take to qualify for regular status.

Program Requirements

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

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

E-500	.....	3
E-593 or E-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
- 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	.....	-
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 597 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

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 393 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 its 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 criticism 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 texts 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 PERIOD (3-0-3)(F/S). A study of a selected chronological period of American or British literature with focus on major author's genres, or topic. PREREQ: E 500 or PERM/CHMN.

E 540 MYTH IN LITERATURE (3-0-3)(F/S). 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 Adamic 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 originates. 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 adolescent 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-0-V). A scholarly paper containing the results of original research. PREREQ: Admission to candidacy and approval of the student's graduate committee.

E 595 READING AND CONFERENCE (V-0-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

Program Requirements

The Master of Arts in Education with a History emphasis will consist of a minimum of thirty-three hours planned by the students and their advisory committee from the following alternatives.

33 hours with thesis	
Education Core	.....6
History Emphasis	.....12
Free Electives	.....9
Thesis (defended orally) HY 593	.....6
33 hour with project	
Education Core	.....6

History Emphasis	15
Free Electives	9
Project HY 591	3
Written or oral examination covering aspects of project and course work taken in the History Department toward the degree 36 hour	
Education Core	6
History Emphasis	18
Written examination covering course work taken in the History Department toward the degree	

Course Offerings

Required courses

HY 500 Historians and Historical Interpretation	3
HY 502 Teaching History in the Secondary Schools	3
HY 510-11 History of Western Thought	
or	
HY 520 Sources of American Values	3
HY 580, 581, 582 Seminar	3
TE 570 Graduate Core	6

Elective courses

Additional courses from History or allied fields as planned by the students and their graduate committee to meet program requirements.

Additional information

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

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

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

Course offerings

HY - HISTORY

Graduate

HY 334g UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, tradition and intellectual developments. HY 151, 152 recommended.

HY 423g EUROPEAN DIPLOMATIC HISTORY 1871-PRESENT (3-0-3)(F/S). Major problems in European diplomacy since 1871: search for security after unification of Germany, potential collapse of Ottoman Empire, imperialism in Africa and Asia, alliance systems origins of World Wars one and two, cold war and European diplomacy into world diplomacy. Alternate years.

HY 500 HISTORIANS AND HISTORICAL INTERPRETATION (3-0-3). A study of major historians and schools of historical interpretation from Ancient Greece to the twentieth century. Discussion concentrates in written history and the problems of interpretation. Oral and written participation and a major paper are 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 16th 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 philosophy of history, a consideration of the relationship on the discipline to other social studies and other fields of knowledge, and a survey of various techniques available to teachers of history at the secondary school level. 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 to the Renaissance and Reformation. 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 culture, the Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and as 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, 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 graduate program or PERM/CHMN.

HY 591 PROJECT (3 credits).

HY 592 HISTORY COLLOQUIUM (3 credits).

HY 593 RESEARCH AND THESIS (6 credits).

HY 598 HISTORY SEMINAR (3 credits).

**Master of Science in Education
Mathematics Emphasis**

The Master of Science in Education with a Mathematics emphasis may be obtained through any of the following three options.

The 30-hour "examination option"

Graduate Core	6
Mathematics Sequence and Seminar	9
One mathematics course exclusive of M 503, 504, or 561	3
Mathematics electives	6
Free electives	6
A written examination over mathematics coursework	-
An oral examination over all coursework included in the student's program	-

The 33-hour "project option"

Graduate Core	6
Mathematics Sequence, Math Seminar and M 591	12
Mathematics electives	6
Free Electives	9
A written examination over mathematics coursework	-

The 33-hour "thesis option" is the same as the "project option" except that M 591 is replaced with M 593

Mathematics Requirements

Required Courses

M 501, 502 Real Analysis I, II or M 541	
M 542 Modern Algebra	6
M 598 Seminar in Mathematics	3

Elective courses-Additional courses planned by the students and their graduate committee to meet program requirements.

Additional Information

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

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.

Students considering this program should consult with the Chairman of the Mathematics Department. Enrollment in graduate courses has been such that completion dates for this program cannot be guaranteed.

Course offerings

M - MATHEMATICS

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 mapping. PREREQ: M 206 or 212.

M431G-432G PROBABILITY AND STATISTICS (3-0-3)(F/S). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. PREREQ: M 206 or 212.

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

M 501-501 REAL ANALYSIS I, II (3-0-3). The real number system. Set theory 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/INST.

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 secondary school geometry; treatment of selected topics in geometry; methods and materials; research relevant to the teaching of geometry. PREREQ: M 311.

M 505 FOUNDATIONS OF MATHEMATICS (3-0-3). The axiomatic method and its role in modern mathematics. The role of the theories of sets and groups in the development of mathematics. Modern philosophies of mathematics. PREREQ: M 302 or PERM/INST.

M 511 GENERAL TOPOLOGY (3-0-3). Set 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/INST.

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 development of algebra, geometry, analytic geometry and calculus to the 19th century; the second part gives a brief introduction to, and history of, some of the developments in mathematics during the last century. PREREQ: PERM/INST.

M 561 MATHEMATICS FOR OPERATIONS RESEARCH (4-0-4)(F/S). The mathematics techniques used to solve problems involving 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 through 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 curriculum; content, special problems, and trends in mathematics programs; organization of the curriculum. Study of reports and recommendations; curriculum development projects. PREREQ: At least one year's experience teaching in secondary school mathematics.

M 591 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 interpretation or novel exposition of existing mathematics. 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

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.

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 committee 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 history and performance. After taking the core courses in music education, the student will take a comprehensive examination in the area of music education. The results of these examinations will be interpreted by the Music Department faculty. The student's advisor will consult with the student about action towards remedying any deficiencies. Any undergraduate course used to make up the deficiencies will not count toward the Master's Degree. A student who has any deficiencies will be granted Provisional Status only, in the graduate program; when all deficiencies are removed he may then seek Regular Status. A description of the material covered on these examinations is available from the Music Department.

Required Courses

MU 503 Introduction to Research Materials in Music Education	3
MU 570 New Development in Music Education	3
Culminating activity* or additional course work	3-6
TE 570 Graduate Core courses	6
Total hours	30-33

Elective Courses

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

*A thesis or final project.

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), 541 (0-.5-2) Keyboard instruments private lessons.
- MC 551 (0-.5-1), 522 (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-V-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, intonation, 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 music educational 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 the 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.

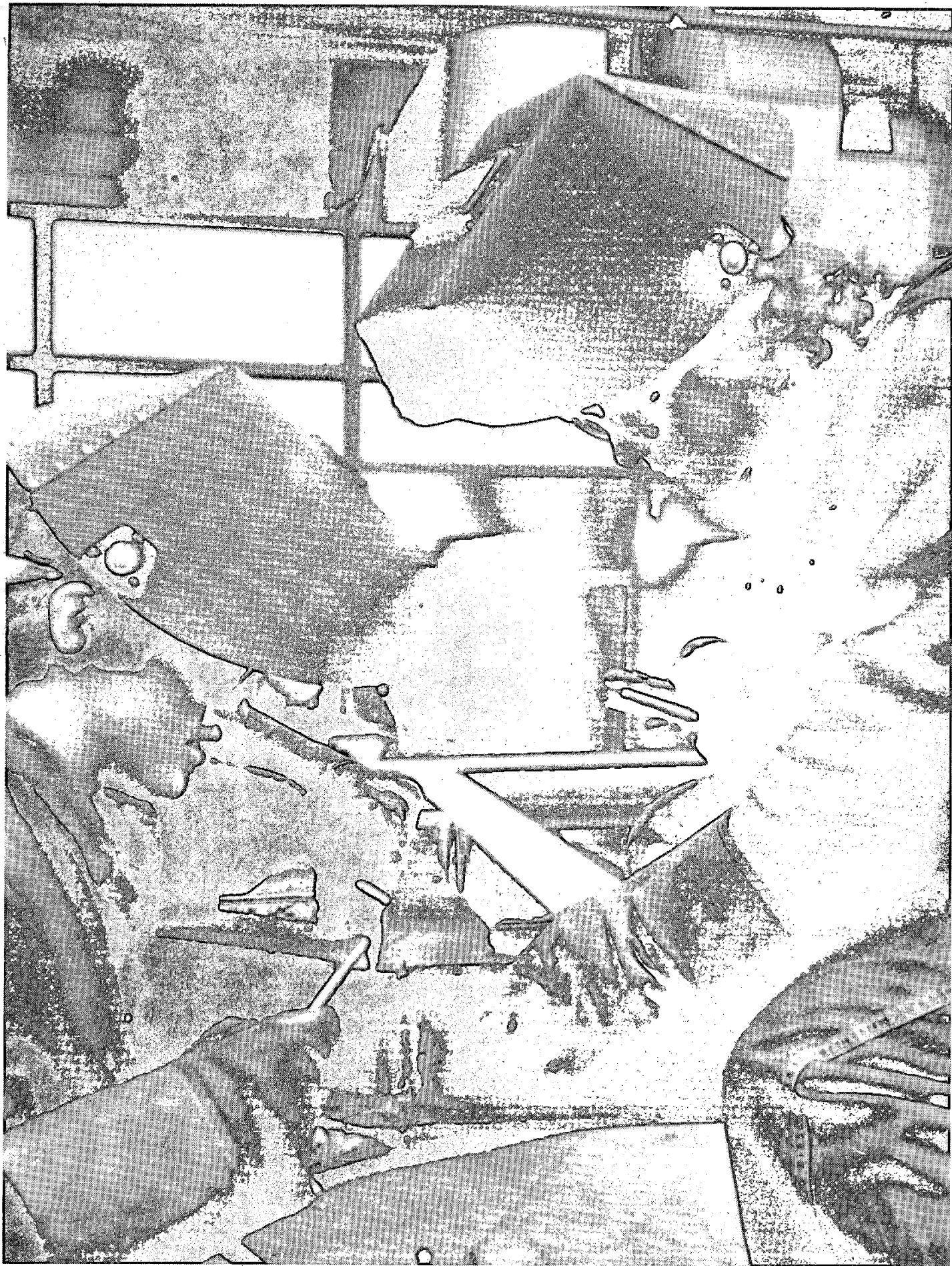
MU 574 ADVANCED METHODS AND TECHNIQUES FOR THE CHORAL INSTRUCTOR (3-0-3)(F/S). A study of causes and solutions for problems occurring in the choral rehearsal. Areas to be covered include vocal methods and techniques, organization and repertoire planning.

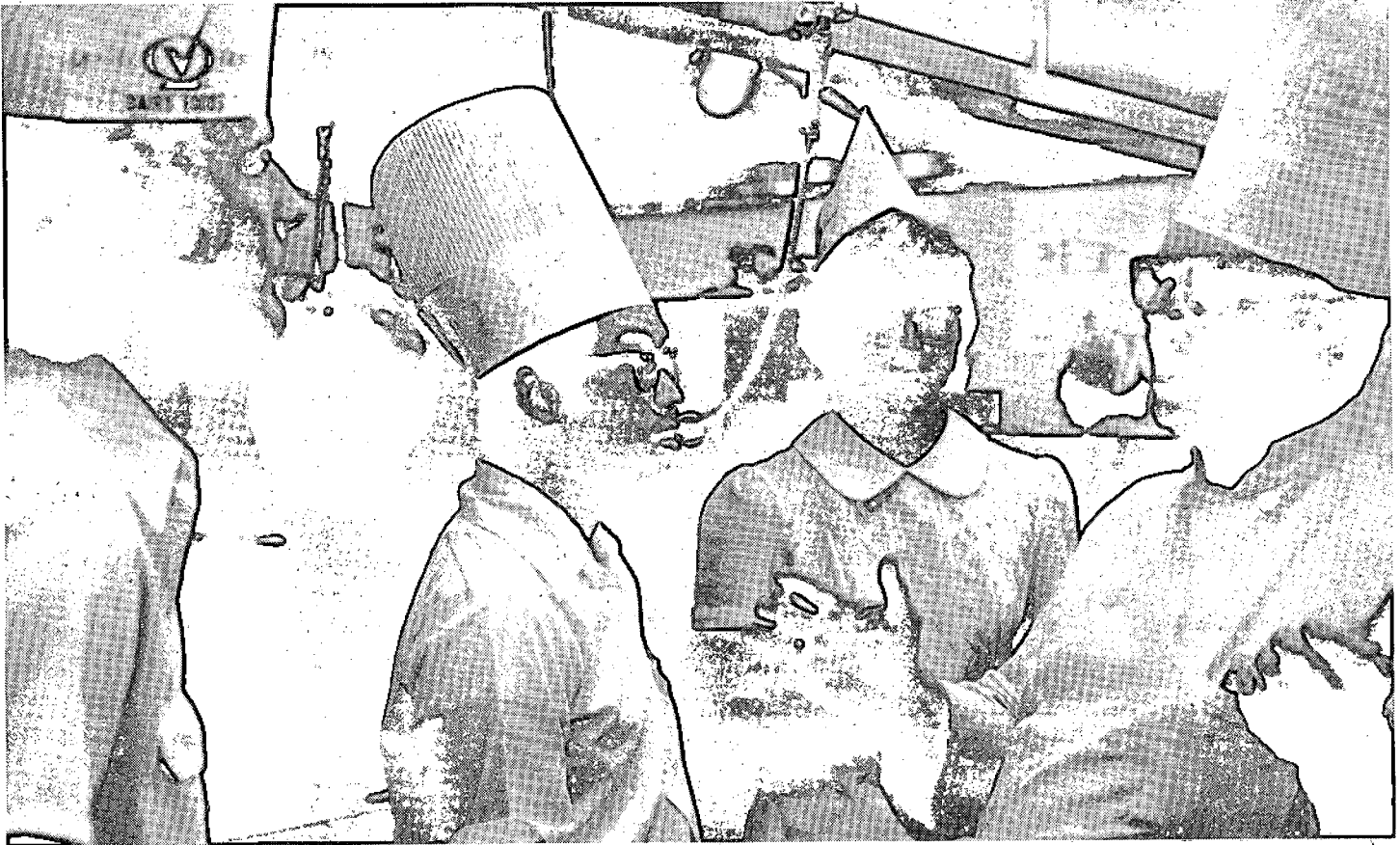
MU 575 ADMINISTRATION OF SCHOOL MUSIC (3-0-3)(F/S). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel and philosophy.

MU 591 CULMINATING PROJECT (0-V-3). Details for the culminating project can be found in requirements for Master's degree in secondary education, music emphasis.

MU 593 THESIS (0-V-6). A scholarly paper embodying results or original research which are used to substantiate a specific view.







School of Vocational Technical Education

Dean: Donald V. Healas, Ed.D.
Assistant Dean: Tom Denison, Ph.D.

Coordinator, Vocational Division: Bonnie Sumter
Vocational Counselors: Callies, Quinowski, Trimble
Business/Industry Relations: Miller

School of Vocational Technical Education Emeriti: Buchanan, Fleshman, Fuehrer, Hager, Krigbaum, Lamborn, Leigh, Tennyson, Trapp

Objectives of Vocational Education

To provide the opportunity for state and local citizens to acquire the education necessary:

To become employed, to succeed, and to progress in a Vocational Technical field.

To meet the present and anticipated needs of the local, state and national economy for employees with a Vocational Technical education.

To become contributing members of the social, civic, and industrial community.

Admissions Requirements

Students who plan to enter the School of Vocational Technical Education, Boise State University, must complete the following:

1. Boise State University 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 is a limited number of students who 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.

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

School of Vocational Technical Education

Degree with a major in the field of Vocational Technical Education. Permission to enter the Bachelor of Applied Sciences degree program must be obtained from the School of Vocational Technical Education. See the section on Academic Information elsewhere in the catalog for more information.

Associate of Applied Science Degree

Some programs in the School of Vocational Technical Education lead to an Associate of Applied Science degree. The standard requirements for this degree are as follows:

1. Technical Education Requirements—56 credit hours or equivalent clock hours.

a. Technical Coursework: 42-46 credit hours or equivalent clock hours.

Program elements which contain instruction directly related to a specific technical area (i.e., skills and knowledge that a person must possess to function as a technician). Course content is determined through a task analysis of the occupation for which training is provided. Local advisory committees may provide additional information.

Example: Technical Mathematics/Technical Science/Etc.

b. Technical Support Coursework: 10-14 credit hours or equivalent clock hours.

Coursework which supports and relates to the technical content of the program. Content provides the basic tasks needed for the individual to function at an acceptable level within the technical field.

Example: Mathematics/Physical Science/Etc.

2. General Education Requirements: 12 credit hours or equivalent clock hours.

Six credits in the area of Communication Skills; the remaining credits are in economics, industrial relations, or human relations.

Certificate of Completion

The Certificate of Completion is conferred upon students who successfully complete a vocational technical program which is less than a two year curriculum. A cumulative grade point average of at least 2.0 must be maintained to be eligible for the Certificate of Completion.

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.

Department of Health Occupations

Department Head: Merle Curtis; Dental Assisting: MacInnis, Imbs; Practical Nursing: Dallas, Towle, Baichtal, Heist, McCollough; Surgical Technology: Curtis.

Dental Assistant - Nine Month Program Certificate of Completion

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 may be 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

	Fall	Spring
Dental Laboratory DA 101-102	4	2
Dental Radiology DA 104	4	-
Dental Assisting Clinical Experience DA 106	-	4
Dental Office Management DA 108	2	-
Public Health and Dental Hygiene DA 109 ...	2	-
Communication Skills DA 111-112	3	3
Dental Theory DA 151-152	6	6
Occupational Relationships DA 262	-	2
Fundamentals of Speech CM 111	3	-
Standard First Aid and CPR PE 121	-	1

Course offerings

DA DENTAL ASSISTING

DA 101-102 DENTAL LABORATORY (2-10-4)(F), (1-5-2)(S). Provides practical laboratory experience in handling dental materials and instruments.

DA 104 DENTAL RADIOLOGY (3-5-4)(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 chair-side assisting experience in private dental offices and clinics.

DA 108 DENTAL OFFICE MANAGEMENT (2-0-2). 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 262 OCCUPATIONAL RELATIONS (2-0-2). The course is designed to enable a student to become skilled in dealing effectively with people; ethics and responsibilities within the law; job application and interviewing. One Semester course.

Practical Nursing - Eleven Month Program Certificate of Completion

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 remotivation 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 requirements

Entrance 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. Thirty students will be selected for the January program and ten students will be selected for the September program in Nampa.

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 following requirements to graduate from the program.

SUBJECTS

Professional Concepts PN 101	1
Anatomy and Physiology for Practical Nursing PN 102	4

Medical-Surgical Nursing PN 1047
 Nutrition and Diet Therapy PN 1052
 Emergency Nursing Concepts PN 1062
 Pharmacology for Practical Nursing PN 1073
 Pharmacology Clinical PN 1081
 Geriatric Nursing PN 1091
 Geriatric Clinical PN 1101
 Maternal and Infant Clinical PN 1122
 Pediatric Clinical PN 1132
 Fundamentals of Nursing PN 1145
 Clinical Foundations PN 1153
 Occupational Relations and Mental Illness PN 2622
 Special Theory PN 1181-10
 Special Clinical PN 11910
 Community Health and Microbiology PN 1201
 Medical-Surgical Nursing I PN 1218
 Medical-Surgical Nursing II PN 1227
 Growth and Development PN 1231
 Maternal and Infant Health PN 1242
 Pediatric Nursing PN 1252
 Mental Health and Mental Illness PN 1262

Course offerings

PN PRACTICAL NURSING (Fall, Spring, Summer)

- PN 101 PROFESSIONAL CONCEPTS (1-0-1).** A study of the history, ethics and legalities of practical nursing.
- PN 102 ANATOMY AND PHYSIOLOGY FOR PRACTICAL NURSING (4-0-4).** A study of the normal structure and function of the body cells, tissues, organs and systems, including the interrelationship of body systems.
- PN 104 MEDICAL-SURGICAL NURSING CLINICAL (0-28-7).** Clinical experience for PN 121-122.
- PN 105 NUTRITION AND DIET THERAPY (2-0-2).** An introduction to nutrition and identification of body nutritional needs in health and illness, including the study of diet therapy.
- PN 106 EMERGENCY NURSING CONCEPTS (2-0-2).** A study of assessment and immediate and temporary treatment of persons involved in accidents or other emergency situations.
- PN 107 PHARMACOLOGY FOR PRACTICAL NURSING (3-0-3).** A study of drug classification, modes of administration and principles of mathematics essential to drug administration.
- PN 108 PHARMACOLOGY CLINICAL (0-4-1).** Clinical experience for PN 107. PREREQ: PN 107.
- PN 109 GERIATRIC NURSING (1-0-1).** A study of the health needs and problems particular to the elderly patient.
- PN 110 GERIATRIC CLINICAL (0-4-1).** Clinical experience for PN 109. PREREQ: PN 109.
- PN 112 MATERNAL AND INFANT CLINICAL (0-8-2).** Clinical experience for PN 124. PREREQ: PN 124.
- PN 113 PEDIATRIC CLINICAL (0-8-2).** Clinical experience for PN 125. PREREQ: PN 125.
- PN 114 FUNDAMENTALS OF NURSING (3-4-5).** The student will develop skills in activities and procedures basic to patient care and includes medical terminology.
- PN 115 CLINICAL FOUNDATIONS (0-12-3).** Clinical experience for PN 114. PREREQ: PN 114.
- PN 117 CLINICAL ELECTIVES (0-2-1).** The student will obtain clinical experiences in specialty area as arranged by the instructor.
- PN 118 PRACTICAL NURSING SPECIAL THEORY (V-V-1 to 10).** Designed to provide the opportunity for study of a specific unit of theory. The topic offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.
- PN 119 PRACTICAL NURSING SPECIAL CLINICAL (V-V-1 to 10).** Designed to provide the opportunity for specific clinical experience. The clinical offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.
- PN 120 COMMUNITY HEALTH AND MICROBIOLOGY (1-0-1).** A study of the health needs of the individual, the family, the community and microbiology.
- PN 121 MEDICAL AND SURGICAL NURSING I (8-0-8).** A study of diseases and disorders of the body systems including planning, implementation and evaluation of nursing care.
- PN 122 MEDICAL AND SURGICAL NURSING II (7-0-7).** Continuation of the study of body systems and nursing care. PREREQ: PN 121.
- PN 123 GROWTH AND DEVELOPMENT (1-0-1).** A study of normal growth and development.

PN 124 MATERNAL AND INFANT HEALTH (2-0-2). A study of the obstetric patient and the neonate both in health and illness.

PN 125 PEDIATRIC NURSING (2-0-2). A study of health, diseases and disorders of children.

PN 126 MENTAL HEALTH AND MENTAL ILLNESS (2-0-2). A study designed to enable the student to become skilled in dealing effectively with people including mental health and the signs and symptoms of mental illness.

PN 262 OCCUPATIONAL RELATIONS AND MENTAL ILLNESS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, obtaining and advancing in employment. Also includes a study of signs/symptoms of mental illness.

**Surgical Technology - Nine Month Program
 Certificate of Completion**

The Surgical Technology Program is a competency based curriculum containing modules developed for individual student progress. Each of the classes 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.

Classes begin Fall Semester only.

	Fall	Spring
ST 100 Introduction & Basic Sciences	3	-
ST 101 Operating Room Techniques	4	-
ST 102 Sterilization & Disinfection	-	1
ST 110 Care of Surgical Patient	4	-
ST 111 Surgical Procedures	-	7
ST 131 Clinical Practice	3	-
ST 132 Advanced Clinical Practice	-	6
PE 121 Standard First Aid and CPR	1	-
Z 111 Anatomy and Physiology	4	-
Z 112 Anatomy and Physiology	-	4
	19	18

Course offerings

ST SURGICAL TECHNOLOGY

ST 100 INTRODUCTION AND BASIC SCIENCES (3-0-3)(F). Includes modules: (1) The Health Care Team and its Language; (2) The Evolution of Asepsis; (3) Ethical Moral and Legal responsibilities; (4) The Operating Room Suite, (5) Principles of Asepsis; (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 Gloving; (4) Draping Techniques; (5) Sutures and Needles; (6) Sponges, Dressings, Drains, Care of Specimens; (7) Instruments and Special Equipment.

ST 102 STERILIZATION AND DISINFECTION (1-1-1)(F). Includes modules: (1) Introduction to Microbiology—The Microbe; (2) Introduction to Microbiology—The Body's Defenses; (3) Injury, Wound Healing and Hemostasis; (4) Infection—The Process, Prevention and Control; (5) Sterilization and Disinfection Methods.

ST 110 CARE OF THE SURGICAL PATIENT (3-3-4)(S). Includes modules: (1) The Patient; (2) Preparation of the Surgical Patient; (3) Transportation of the Surgical Patient; (4) Positioning the Surgical Patient; (5) Anesthesia; (6) Recovery Room and Emergency Room Care.

ST 111 SURGICAL PROCEDURES (6-4-7)(S). Modules: (1) General Surgical Procedures; (2) General Abdominal Procedures; (3) Orthopedic Surgery; (4) Obstetric and Gynecological Procedures; (5) Genitourinary and Transplant Surgery; (6) Plastic Surgery; (7) Ophthalmic Surgery; (8) Ear, Nose, Throat, Oral Surgery; (9) Neurosurgery; (10) Microsurgery; (11) Cardiovascular and Thoracic Surgery; (12) Pediatric and Geriatric Surgery. Each of the modules includes a brief history, procedures, special considerations and the drugs used.

ST 131 CLINICAL PRACTICE (2-6-3)(F). Includes patient care and beginning experience in the operating rooms, outpatient and central supply.

ST 132 ADVANCED CLINICAL PRACTICE (4-8-6)(S). Includes advanced experience in surgery, scrubbing, and circulating. PREREQ: 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.

Lineworker Theory EL 151-152-153 ...	5	5	5
Occupational Relationships EL 262 ...	2	-	-
	17	15	15

Course offerings

Department of Heavy Technologies

Department Head: Gary Arambarri; Air Conditioning: Tucker; Electrical Lineworker: McKie; Industrial Mechanics: Allen; Machine Shop: Wertman, Glassen; Welding: Arambarri, Baldner.

Air Conditioning, Refrigeration, and Heating Eleven Month Program Certificate of Completion

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	Fall	Spring	Summer
Air Conditioning Lab			
RH 121-122-123	5	5	3
Air Conditioning Theory RH 141, 142, 143	10	10	4
Occupational Relationships			
RH 262	2	-	-
	17	15	7

Course offerings

RH AIR CONDITIONING, REFRIGERATION AND HEATING

RH 121-122-123 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (0-20-5)(0-20-5)(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.

RH 141-142-143 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (10-0-10)(10-0-10)(10-0-4). 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.

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.

Electrical Lineworker - Eleven Month Program Certificate of Completion

The Electrical Lineworker 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/backhoe, and related equipment components, provides 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 lineworker 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.

	Fall	Spring	Summer
Lineworker Lab EL 101-102-103	10	10	10

EL ELECTRICAL LINEWORKER

EL 101-102-103 ELECTRICAL LINEWORKER LABORATORY (0-25-10). 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 and distribution, guys and anchors, conductor and insulator installation of transformers and transformer banks, services, street lights, underground distribution design, construction and maintenance, troubleshooting 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 LINEWORKER THEORY (0-10-5). 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 (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.

Industrial Mechanics - Nine Month Program Certificate of Completion

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	1st SEM	2nd SEM
Maintenance Welding Technology		
IM 101	3	-
Maintenance Machine Fundamentals		
IM 102	-	3
Electro-Mechanical Systems IM 110-111	3	3
Basic Fluid Power Operations IM 121-122	3	3
Industrial Mechanical Laboratory		
IM 131-132	5	5
Industrial Technology Communications		
IM 162	2	-
Occupational Relationships IM 262	-	2
	16	16

Course offerings

IM INDUSTRIAL MECHANICS

IM 101 MAINTENANCE WELDING TECHNOLOGY (3-0-3)(F). 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 layout skills for modern manufacturing are included.

IM 102 MAINTENANCE MACHINE FUNDAMENTALS (3-0-3)(S). This course combines use of basic hand tools with selected machine tools (lathe, milling machine, drill press, shaper, pipe/bolt machine) as are required to effectively service or repair increasingly sophisticated industrial devices. Preventive maintenance techniques utilizing this equipment are covered.

IM 110-111 ELECTRO-MECHANICAL SYSTEMS (3-0-3)(F-S). This course covers basic electricity, electrical motor technology, controls, test meter usage, transmission of power via various drives, troubleshooting, and maintenance of these systems.

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 devices. This course provides basic exposure to fluid power systems of pumps, motors, valves, servo-valves, actuators, filtration, fluids, hydrostats, and accessories.

IM 131-132 INDUSTRIAL MECHANICAL LABORATORY (0-20-5)(F-S). Laboratory experiences keyed to Performance Based Objectives correlated with lecture topics are the basis for this course. Practical application of theory, maintenance, and safety are stressed.

IM 162 INDUSTRIAL TECHNOLOGY COMMUNICATIONS (2-0-2)(F). Computer/Numerical Control Literacy for the Industrial Technician. Problem solving with the Hewlett-Packard HP41 CV/IL System. Demonstration of programming and operating techniques are given the student for controlling/communicating with automated production equipment.

IM 262 OCCUPATIONAL RELATIONS (2-0-2)(S). Course is designed to enable a student 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 - Two Year Program
Associate of Applied Science Degree**

Boise State University offers a specialized Machine Shop program for students desiring to become machine tool operators. Students receive instruction in the set-up and use of all basic machines including engine 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.

Students who choose not to take CM-111 and two approved electives will receive a machine shop diploma.

	Fall	Spring
FRESHMAN YEAR		
Machine Shop Laboratory MS 101-102	6	6
Communication Skills MS 111	3	-
Blueprint Reading MS 124-125	2	4
Basic Math MS 132	2	-
Machine Shop Theory MS 151-152	3	3
Occupational Relationships MS 262	-	2
Fundamentals of Speech Commun CM 111.....	-	3
	16	18
SOPHOMORE YEAR		
Advanced Machine Shop Lab MS 201-202	6	6
Blueprint Reading & Layout MS 221-222	2	2
Advanced Math MS 231-232	6	6
Advanced Machine Shop Theory MS 251-252	2	2
Elective (on approval)	3	3
	19	19

Course offerings

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, grinders, surface grinders, the use of special attachments, bench work, layout, and computer numerical control machines.

MS 111 COMMUNICATION SKILLS (3-0-3)(F). An examination of interpersonal communication. Focuses on communication in life-long learning, on awareness of self, communicative relationships and written communications.

MS 124-125 RELATED BLUEPRINT READING (2-0-2)(4-0-4). This is concerned with the study of the principles and techniques of reading blueprints as applied to the machine shop. The sketching and drawing of actual shop projects will enable the student to better 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. Safety and sound work habits are emphasized in all phases of instruction: The set-up, care and maintenance of surfacegrinders, mills, 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, tools and cutter grinder, surface grinder, heat treating, hardness testing, layout, inspection, and computer numerical control mill set-up, operation and programming. PREREQ: MS 102.

MS 221-222 BLUEPRINT READING AND LAYOUT FOR THE MACHINIST (2-0-2). Three dimensional drawing and hand sketching of mechanical devices and metric measures will be covered. PREREQ: MS 125.

MS 231-232 ADVANCED MATH (6-0-6). 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 machinist 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 machinist. PREREQ: MS 152.

MS 262 OCCUPATIONAL RELATIONS (2-0-2)(F). An examination of occupational requirements. Focuses on job seeking skills, employer and employee relations, social security and workmen's compensation laws, C. P. R., and first aid skills.

**Welding - Eleven Month Program
Certificate of Completion**

The Welding Program provides the student with instruction, practical experience, and related theory in shielded metallic 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 continual emphasis on safety.

SUBJECTS	Fa	Spr	Sum
Lab W 101-102-103	5	5	3
Theory W 151-152-153	4	1	2
Blueprint Read & Layout W 121-122-123	3	7	2
Welding Communication W 111	3	-	-
Occupational Relations W 262	-	2	-
	15	15	7

Course offerings

W 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 (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen-acetylene cutting of steel, and the use of carbon air arc equipment.

W 103 WELDING LABORATORY (0-20-3)(SU). 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 candidly, 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 (3-0-3)(7-0-7). Fall semester will include blueprint, basics of structural steel layout and fitting 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 151-152-153 WELDING THEORY (4-0-4)(1-0-1)(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 methods, cast iron, material rigging and handling, and all aspects of safety.

W 262 OCCUPATIONAL RELATIONSHIPS (2-0-2). Techniques for obtaining employment. Relations among workers and supervisors. Resolution of human relationship issues of shop and office.

Department of Light Technologies

Department Head: E. Allen Weston; *Business Machine Technology*: Jones, Cadwell; *Drafting Technology*: Weston, Watts, Burkey, Olson, Benton; *Electronics Technology*: Dodson, Sluder, Havey; *Electronics Service Technology*: Jansson, Stack; *Wastewater Technology*: Place.

Business Machine Technology - Two Year Program Associate of Applied Science Degree

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 specialized 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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Business Machine Technology BM 155-156 . . .	9	9
Basic Electronic Theory BM 157-158	4	4
Communication Skills BM 111-112	3	3
Customer Relations BM 113	-	2
	16	18
SOPHOMORE YEAR		
Advanced Business Machine Technology BM 255-256	11	11
Advanced Electronic Theory BM 271-272	7	7
	18	18

Course offerings

BM BUSINESS MACHINE TECHNOLOGY

BM 111-112 COMMUNICATION SKILLS (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. (2 clock hours per week.)

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).

BM 156 BUSINESS MACHINE TECHNOLOGY (5-15-9). This is a hands on theory/lecture lab course in which the student is taught basic concepts of business machine repair. (20 clock hours per week).

BM 157-158 BASIC ELECTRONIC THEORY (4-1-4). Deals with basic electronics including properties of electronic components (5 clock hours per week).

BM 255-256 ADVANCED BUSINESS MACHINE TECHNOLOGY (7-17-11). This is a hands on theory/lab course in which the student is taught basic concepts of business machine repair including a special emphasis in troubleshooting techniques. Shop management, retail selling, computer programming and related math are also included. (24 clock hours per week) PREREQ: BM 155-156-157.

BM 271-272 ADVANCED ELECTRONIC THEORY (7-0-7). This course is a study of digital electronics, semiconductors, microprocessors. (7 clock hours per week).

Drafting Technology - Two Year Program Associate of Applied Science Degree

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 conventional and computer aided 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
Occupational Relationships DT 262	2

FOURTH SEMESTER

Drafting Lab and Lecture DT 202	4
Technical Report Writing DT 222	2
Applied Mathematics DT 232	3
Specialized Graphics DT 263	2
Strength of Materials DT 242	4

Course offerings

DT DRAFTING TECHNOLOGY

DT 101 DRAFTING LABORATORY AND LECTURE (0-14-4). Mechanical drafting with basic drafting techniques, standards, methods, and basic block and schematic diagrams for electronics and piping with introduction to computer assisted drafting.

DT 102 DRAFTING LABORATORY AND LECTURE (0-14-4). 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). 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.

DT 122 SURVEYING (2-2-2). 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 (4-1-4). Fundamentals of algebra with an introduction to basic algebra and arithmetic operations with fractions, decimals, percentage, powers, operations with signed numbers, solutions of simple equations, factoring operations with algebraic expressions. One year high school algebra with satisfactory grade or equivalent required.

DT 132 MATHEMATICS (3-1-3). Plane geometry, basic coordinate geometry, basic trigonometry and spatial geometry. Course includes many applied problems. PREREQ: DT 131 or equivalent.

DT 141 APPLIED PHYSICS (3-0-3). Course covers properties of solids, liquids and gases with emphasis on introduction to strength of materials. Also temperature and effects of heat, heat transfer and change of state of matter are covered. Emphasis placed on problem solving. One year high school algebra with satisfactory grade or equivalent.

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 153 MANUFACTURING PROCESSES (2-1-2). 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 (1-14-4). Civil drafting, mapping, highway curves and earthwork using conventional and computer drafting techniques. PREREQ: DT 122, 132, 102.

DT 202 DRAFTING LABORATORY AND LECTURE (1-14-4). Structural drafting terminology, structural and reinforcing steel specifications and drawing practice with manual and computerized methods. PREREQ: DT 201, 221.

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 242 STRENGTH OF MATERIALS (4-0-4). Analysis of stress and strain in torsion, tension, compression and stress. Introduction to limited structural design. PREREQ: DT 132.

DT 261 GRAPHICS (1-1-1)(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 (2-1-2). An intensive study of perspective and rendering as used in industrial illustration, architectural rendering and civil engineering, including mechanical and electronic methods. Lecture-Laboratory. PREREQ: DT 261 (Open to non-drafting technology majors - space permitting).

**Electronics Technology - Two Year Program
Associate of Applied Science Degree**

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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Electronics Laboratory ET 101-102	2	1
Communication Skills ET 111-112	3	3
Technical Report Writing ET 121	2	-
Electronics Math I-II ET 131-132	3	3
Basic Physical Science ET 142	3	-
Electronic Theory ET 151-152	3	4
Intro to Digital Electronics ET 161	2	-
Digital Systems I ET 162	-	2
Digital Systems Lab I ET 163	-	1
Solid State Devices I ET 172	-	3
Solid State Devices Lab I ET 173	-	1
	18	18

SOPHOMORE YEAR		
Linear Systems Lab ET 201	1	-
Telecommunications Lab ET 202	-	1
Calculus I-II ET 231-232	3	3
Instrumentation ET 241	2	-
Instrumentation Lab ET 242	1	-
Linear Systems ET 251	3	-
Telecommunications Systems ET 252	-	3
Occupational Relations ET 262	2	-
Digital Systems II ET 264	2	-
Digital Systems Lab II ET 265	1	-
Solid State Devices II ET 273	2	-
Solid State Devices Lab II ET 274	1	-
Digital Systems III ET 275	-	2
Digital Systems Lab III ET 276	-	1
Microprocessor Systems ET 277	-	2
Microprocessor Systems Lab ET 278	-	1
*Occupational Electives	-	4
	18	17

Total Number of Credit Hours: 71

*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, CM 131, CM 221 CM 251, MG 301, LS 102, P 101.

**Semiconductor Technology - Two Year Program
Associate of Applied Science Degree**

The successful completion of ET 131-132 or M-111, or the equivalent is prerequisite for this major.

	1st SEM	2nd SEM
FIRST YEAR		
Course:		
General Physics PH 101-102	4	4
College Chemistry C 131	3	-
Chemistry Lab C 132	1	-
Advanced Electronics Math ET 231-232	3	3
Communication Skills ET 111-112	3	3
Intro to Digital Electronics ET 161	-	2
Intro to Integrated Circuit Industry ET 181 ...	2	-
Intro to Integrated Circuit Processing ET 182	2	-
Integrated Circuit Processing I ET 183	-	3
*Elective	3	-
Total	18	18
SECOND YEAR		
Digital Systems I and II ET 162, ET 264	2	2
Technical Report Writing ET 113	2	-
Intro to Solid State Physics ET 291	3	-
Solid State Device Physics ET 292	-	3
Integrated Circuit Layout ET 281	-	2
Electronics Theory I and Lab ET 151-101	5	-
Electronics Theory II and Lab ET 152-102	-	5
Solid State Devices I ET 172	-	3
*Elective	3	3
Total	15	18

Total Number of Credit Hours: 69

* The electives shall be selected from the areas of Business, Economics, and/or Human Relations.

Course Offerings

ET 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/S). 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 SKILLS (3-0-3)(F/S). 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.

ET 113 TECHNICAL REPORT WRITING (1-4-2)(F/S). 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 the graphing of functions, exponential and logarithmic equations, and plane geometry and trigonometry.

ET 132 ELECTRONICS MATHEMATICS II (3-2-3)(F/S). 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/S). 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 (4-1-4)(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 (4-1-4)(F/S). Theory of alternating current electricity, its behavior in electric circuits, properties of reactance and impedance, AC circuit analysis, tuned circuits and resonance, mutual inductance and transformers. PREREQ: ET 151.

School of Vocational Technical Education

ET 161 INTRODUCTION TO DIGITAL ELECTRONICS (2-0-2) (F/S). Introduction to binary number system, Boolean functions and mathematics, basic logic gates and logic families, Karnaugh mapping and Boolean simplification of logic functions.

ET 162 DIGITAL SYSTEMS I (2-0-2)(F/S). Basic TTL and MOS gate operations, combinational logic circuits, tri-state logic gates, expander functions of gates, fan-out specifications, propagation delay and operating speed. Basic sequential logic operations, R-S and J-K flip-flop fundamentals. PREREQ: ET 161

ET 163 DIGITAL SYSTEMS LAB I (0-4-1)(F/S). Laboratory exercises to complement ET 162. See ET 162 course description. PREREQ: ET 161.

ET 172 SOLID STATE DEVICES I (3-2-3)(F/S). AC and DC properties of diodes and transistors. Semiconductor properties. Manufacture of semiconductor devices. Bipolar junction transistors, junction field effect transistors, and MOS devices. Operational circuits employing diodes and transistors. Transistor amplifier biasing, load line computations, and gain determinations. PREREQ: ET 151, ET 131.

ET 173 SOLID STATE DEVICES LAB I (0-4-1)(F/S). 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: its 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 manufacturing 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 131-132 or M 111 or the equivalent.

ET 183 INTEGRATED CIRCUIT PROCESSING I (2-0-2)(S). 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/S). Laboratory exercises to complement ET 251. Linear amplification and signal processing circuits including integrators, differentiators, 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 exercise to complement ET 252. Communication experiments in radio frequency generation and measurement, amplitude 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 231 CALCULUS I (3-2-3)(F/S). Differentiation of algebraic, logarithmic, and trigonometric equations. Determination of maximums and minimums, rates of change, and limits. Basic introduction to integration. PREREQ: ET 132.

ET 232 CALCULUS II (3-2-3)(F/S). Integration of equations, analytic geometry and integration of two and three dimensional geometric figures, multiple integration. Introductory differential equations, Laplace transforms. PREREQ: ET 231.

ET 241 INSTRUMENTATION (2-0-2)(F/S). Electronic measurement through use of sensors, transducers, and detectors. Open-ended and closed-loop measurement systems. Photo electric sensors, thermoelectric sensors, linear variable differential transformers. Signal conditioning and processing. PREREQ: ET 152.

ET 242 INSTRUMENTATION LAB (0-4-1)(F/S). Laboratory exercises to complement ET 241. Application of sensors, transducers, and detectors. Signal conditioning and treatment. Measurement error considerations, noise reduction schemes, digitization methods. PREREQ: ET 152.

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 252 TELECOMMUNICATIONS SYSTEMS (3-2-3)(F/S). Radio and light communications systems. Radio frequency generation and propagation, modulation and demodulation techniques. Receiver systems. PREREQ: ET 251.

ET 262 OCCUPATIONAL RELATIONS (2-0-2)(F/S). 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 (2-0-2)(F/S). Implementation of sequential logic, flip-flops, converters, encoders, decoders, arithmetic logic systems and comparators, PREREQ: ET 162.

ET 265 DIGITAL SYSTEMS LAB II (0-4-1)(F/S). Laboratory exercises to complement ET 264. See ET 264 course description. PREREQ: ET 162.

ET 273 SOLID STATE DEVICES II (2-0-2)(F/S). Study of solid state devices including silicon controlled rectifiers, tunnel diodes, optoelectronic devices, power FET devices, and solid state transducers. PREREQ: ET 172.

ET 274 SOLID STATE DEVICES LAB II (0-4-1)(F/S). 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 264.

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/S). 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 278 MICROPROCESSOR SYSTEMS LAB (0-5-1)(F/S). Laboratory exercises to complement ET 277. See ET 277 course description. PREREQ: ET 264.

ET 281 INTEGRATED CIRCUIT LAYOUT (2-0-2)(S). Lecture and drafting techniques used in the design of integrated circuit 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)(S). A study of the interaction of wave phenomena (electromagnetic radiation, lattice vibration, and electrons) with the lattice in a solid. Attention is focused on an 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 220-224.

ET 292 SOLID STATE DEVICE PHYSICS (3-0-3)(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.

Electronics Service Technology - Two Year Program Associate of Applied Science Degree

This program is designed to prepare the student for entrance 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

Electronics Service Technology and Electronics Technology have a common first year. Please see Electronics Technology for course descriptions for the Freshman year.

SOPHOMORE YEAR

Adv. Electronics Laboratory ES 201-202.....	4	4
Intro to Computer Programming ES 204.....	2	-
Advanced Electronics Technology ES 255-256.....	4	4
Advanced Digital Electronics ES 271-272.....	4	4
Individual Study ES 275.....	-	2
Electives (Economics & Industrial & Human Relations).....	3	3
	17	17

Course offerings

ES - ELECTRONICS SERVICE TECHNOLOGY

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 subprograms, 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, amplification, modulation and 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-mechanical systems with emphasis on troubleshooting. PREREQ: ES 271.

ES 296 INDIVIDUAL STUDY (2-2-2). 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.

**Wastewater Technology - Eleven Month Program
Certificate of Completion**

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.

	1st SEM	2nd SEM
SUBJECTS		
Wastewater Lab I WW 101	10	-
Wastewater Lab II WW 102	-	10
Wastewater Treatment Plant Ops I WW 151	5	-
Wastewater Treatment Plant Ops II WW 152	-	5
Occupational Relations WW 262	-	2
	15	17
SUMMER		
Plant Practicum WW 105	-	8

Course offerings

WW WASTEWATER TECHNOLOGY

WW 101 WASTEWATER LAB (0-20-10). Consists of trips to the various types of wastewater treatment facilities as an introduction to the many varied processes within the industry. Upon completion of various process units visits to the plants will be made on just that unit. Mechanically related lab along with the necessary sanitary chemistry lab will be performed.

WW 102 WASTEWATER LAB II (0-20-10). Student assignments to a local waste facility for two days per week will consist of hands on day-today operation of a wastewater facility. Continuation of the chemistry and mechanical labs. An aquatic field survey covering stream flow, stream chemistry, watershed identification, weir installation and aquatic identification.

WW 105 IN PLANT PRACTICUM (8-0-8). Supervised experience in area wastewater facilities. Students gain experience in all phases of wastewater treatment in



a variety of facilities and with several processes.

WW 151 WASTEWATER TREATMENT PLANT OPERATIONS (0-10-5). Introduction to wastewater treatment plant operations, including collection systems, pre-treatment primary sedimentation, aerobic and anaerobic digester operations. Related math, communication skills and chemistry.

WW 152 WASTEWATER TREATMENT PLANT OPERATIONS II (0-10-5). Secondary treatment processes including trickling filter, ABF (Aerobic Biological Filter) with greater emphasis on activation sludge, process control. Plant process interaction, report writing, budget preparation and finance and related first aid safety.

WW 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.

**Department of
Mechanical Technologies**

Department Head: Charles Tillman; Agricultural Equipment Technology: Gaines; Auto Body: Parke; Auto Mechanics: King, Mikesell; Heavy Duty Mechanics: Tillman, Brownfield, Hall; Small Engine Repair: Schroeder.

**Agricultural Equipment Technology - Nine Month Program
Certificate of Completion**

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.

	Fall	Spring
SUBJECTS		
Agricultural Equipment Lab AE 101-102	6	6
Agricultural Equipment Theory AE 151-152 ...	10	10
Occupational Relationships AE 262	-	2
	16	18

Course offerings

AE AGRICULTURAL EQUIPMENT TECHNOLOGY

AE 101-102 AGRICULTURAL EQUIPMENT LAB (0-25-6). 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.

AE 151-152 AGRICULTURAL EQUIPMENT THEORY (10-0-10). 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.

AE 262 OCCUPATIONAL RELATIONSHIPS (2-0-2). Techniques of obtaining employment; relationships between workers, supervisors and employers. Resolution of human relationship issues of shop and office.

**Auto Body - Eleven Month Program
Certificate of Completion**

The Auto Body Program curriculum is designed to provide the student with background necessary for employment in a shop repairing damaged automobiles and small trucks. This training provides students with the necessary skills and knowledge for employment in the Auto Body trade and closely related crafts. Training includes Auto Body theory, welding (plastics, braise, mildsteel, wirefeed), painting (lacquer, acrylic enamel, urethanes, blending, matching), metal working (repair, replace, shrinking), frame alignment and repair, repair of new cars (UniCoupe Repair, UniCoupe Bench Systems). A Certificate of Completion is issued upon satisfactory completion of all skills in the eleven month program.

	Fall	Spring	Summer
SUBJECTS			
Auto Body Lab AB 121-122-123	10	10	7
Auto Body Theory AB 141-142-143 ...	7	5	5
Occupational Relationships AB 262	-	2	1
	17	17	12

Course offerings

AB AUTO BODY

AB 121-122-123 AUTO BODY LABORATORY (0-25-10)(SU). The purpose of these courses is to develop the skills needed by an auto body repairman. Subjects covered include: orientation, safety rules, shop house-keeping, welding, painting fundamentals, metal working, plastic body filling, advanced painting processes, frame alignment, glass and panel replacement, bench repair systems.

AB 141-142-143 AUTO BODY THEORY (10-0-7)(F), (8-0-5)(S), (10-0-5)(SU). This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science necessary for 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.

**Auto Mechanics - Eleven Month Program
Certificate of Completion**

The program is designed to provide students with classroom and laboratory experiences that will prepare them for employment in new car dealerships or independent garages. The proper use of diagnostic equipment and shop machine tools are emphasized.

SUBJECTS	Fall	Spring	Summer
AM Tune-up and Drive Train			
AM 105	15	-	-
AM Engine and Brakes AM 106	-	15	-
AM Front End & Air Cond AM 107	-	-	15
Occupational Relations AM 262	2	-	-
	17	15	15

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 rebuilding 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)(S). This course covers disassembly of engines, measurement of wear, and rebuilding procedures. Braking systems are studied with emphasis on shoe 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.

AM 262 OCCUPATIONAL RELATIONS (2-0-2)(F). 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.

**Heavy Duty Mechanics—Diesel - Eleven Month Program
Certificate of Completion**

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	Fall	Spring	Summer
Diesel Mechanics Basic DM 101	19	-	-
Diesel Mechanics Intermed I, II DM 104-105	-	17	15
Occupational Relationships DM 262	-	2	-
	19	19	15

Course offerings

DM 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 104 DIESEL MECHANICS INTERMEDIATE I (10-28-17)(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 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.

**Small Engine Repair - Nine Month Program
(Recreational Vehicles)
Certificate of Completion**

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., lawnmowers, 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	Fall	Spring
Small Engine Laboratory SE 101-102	8	8
Small Engine Theory SE 141-142	6	6
Occupational Relationships SE 262	-	2
	14	16

Course offerings

SE SMALL ENGINE REPAIR

SE 101 SMALL ENGINE LABORATORY (0-32-8). Includes application and instruction in repair and overhaul of small engine units with emphasis on lawn and garden equipment.

SE 102 SMALL ENGINE LABORATORY (0-32-8). Repair and maintenance of recreational vehicles, motorcycles, snowmobiles and outboard marine engines.

SE 141 SMALL ENGINE THEORY (6-0-6). Provides a basic understanding of internal combustion engine and principles of two and four cycle engines. Fundamentals in carburetion and electrical systems are covered.

SE 142 SMALL ENGINE THEORY (6-0-6). Includes instruction in power train, clutching, trouble shooting, fuel systems, tune-up, marine engines and chain saws.

SE 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.

**Department of
Service Occupations**

Department Head: Joan Lingenfelter; *Child Care Studies:* Lingenfelter, Gourley; *Culinary Arts:* Hoff, Hosman; *Horticulture:* Oyler, Maki; *Mid-Management:* Lane; *Office Occupations:* Metzgar, Butler, Carlton, Williamson, Eglund, Enyart, Anderson; *Instructional Support:* Tompkins; *Special Needs:* Scholes, Skirmants.

Child Care Studies

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 Assistant - Nine Month Program
Certificate of Completion**

This program is planned for people interested in working with children as an assistant in private, play grounds, camps, day care centers, nurseries, kindergartens, and child development centers.

**Day Care Supervisor - Two Year Program
Associate of Applied Science Degree**

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 defined as Child Care Assistant is a prerequisite to the supervisor level program.

DAY CARE ASSISTANT

SUBJECTS	1st SEM	2nd SEM
Introduction to Child Development CC 101	3	-
Introduction to Child Development CC 151	-	3
Communication Skills CC 111-112	3	3
Health and Care of the Young Child CC 141	3	-
Curriculum of the Young Child CC 171-172	3	3
Child Care Laboratory CC 181-182	3	3
Contract Fld Exper in Early Chld Prg CC 125-126	1	1
Plan and Eval of Laboratory Exper CC 135-136	2	2
	18	15

DAY CARE TEACHER/SUPERVISOR

SUBJECTS	1st SEM	2nd SEM
Advanced Child Care CC 255	3	-
Intro to Kindergarten Curriculum CC 256	-	2
Infant Care CC 257	-	2
Child Care Center Management CC 231-232	2	3
Family and Commun Involvement with Child CC 252	3	-
Occupational Relationships CC 261	-	2
Feeding Children CC 241-242	3	3
Child Care Center Supervision CC 201-202	3	3
Contract Pract in Early Child Superv CC 235-236	2	2
Plan and Eval of Child Care Center Supvr CC 235-236	1	1
	17	17

Course offerings

CC CHILD CARE STUDIES

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 in the following areas: art, story telling, music, environmental science, beginning number and letter recognition.

CC 181-182 CHILD CARE LABORATORY (0-12-3). Observation and participation in the laboratory preschool. Student will serve as aide and assistant teacher,

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.

CC 201-202 CHILD CARE CENTER SUPERVISION (1-12-4). With instructor supervision, students will assume responsibility of lab preschool and plan curriculum activities, supervise staff, plan daily and weekly schedules and study techniques for child evaluations and parent conferences. Emphasis is placed on child guidance techniques and curriculum development. PREREQ: CC 181-182.

CC 225-226 CONTRACTED PRACTICUM IN EARLY CHILDHOOD PROGRAMS. (0-8-2). A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and skills in community child care settings. Individual contract arrangement involving student, instructor and cooperating agency to gain practical experiences in off-campus settings. PREREQ: CC 125-126.

CC 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.

CC 241-242 FEEDING CHILDREN (3-0-3). Nutritional requirements of preschool children in child care centers. Students plan, purchase, prepare and serve nutritious snacks and meals to children in the CC lab. Also emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes.

CC 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 for establishing effective relationships with parents of children in child care centers and the community resources available to both parents and the center.

CC 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. PREREQ: CC 101-151.

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.

**Culinary Arts Program - Eleven Month Program
Certificate of Completion**

The purpose of the Culinary Arts Program is to prepare each student with the skills and knowledge necessary to enter and advance in the culinary arts professions. Learning experiences are structured to ensure that students are ready to enter the profession as a cook or a related occupation upon graduation. A variety of experiences and instructional strategies are provided to cover the operations of institutional food preparation; franchise operations; family style, motel and hotel specialty houses and catering.

Theory classes and laboratory experiences are combined to provide the student with the basic skills required for: preparation of foods; safe and efficient use of utensils and equipment; quantity food preparation; portion control; menu planning; purchasing, receiving, management of monies, food cost accounting and storeroom management; harmonious relationships with co-workers; and food service management practices.

The Culinary Arts Program is coordinated with the Bureau of Apprenticeship Training and the Idaho Chefs Association to enhance the completers' opportunities to advance in a career ladder within the food service industry.

SUBJECTS	Fall	Spring	Summer
Culinary Arts Lab CA 103-104-105	10	10	10
Culinary Arts Theory CA 143-144-145	5	5	5
Occupational Relations CA 262	-	2	-
	-	17	15

Course offerings

CA CULINARY ARTS

CA 103-104-105 CULINARY ARTS LAB (0-25-10). Correlates the theory with actual large quantity food service practice in situation similar to those found in the culinary arts industry.

CA 143-144-145 CULINARY ARTS THEORY (0-10-5). Theory necessary to prepare a student to be a culinary arts 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 set tables, wait on tables, dining room etiquette and dishwashing.

CA 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 - Two Year Program
(Landscape Construction and Maintenance)
Associate of Applied Science Degree**

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, green house 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.....	2	2
Horticulture Theory HO 151-152.....	7	7

SOPHOMORE YEAR

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	-
Individual Project HO 271.....	-	3
Consumer Marketing MM 201.....	-	3
Salesmanship MM 101.....	3	-
	18	18

Course offerings

HO HORTICULTURE

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 to 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 soils and soil amendments; construction of growing containers and houses; arrangements, implementation of entire greenhouse operation and bedding plant production; the use of insecticides; pesticides, etc., and precautions necessary during use.

HO 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.

HO 131-132 RELATED BASIC MATHEMATICS (3-0-3). First semester—developing comprehension of the basic principles of mathematics. Specific areas include addition, subtraction, multiplication, division, fractions, denominate numbers, square root, mensuration. Second semester: developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc.

HO 141-142 RELATED BASIC SCIENCE (2-0-2). First semester—developing comprehension of the scientific principles utilized in plant identification, plant growth and development, limiting factors, development which aid plant propagation. Second semester—developing comprehension of the scientific princi-

ples utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides, soils and fertility.

HO 151-152 HORTICULTURE THEORY (7-0-7). First semester—developing comprehension, analysis 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 containers; insect and disease control; and pesticide application.

HO 201 HORTICULTURE LABORATORY (0-15-4). Applying the related and theory 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 trees and shrubs.

HO 202 HORTICULTURE LABORATORY (0-15-4). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, commercial, residential, part, Japanese gardens, turf grass installation and maintenance.

HO 241 RELATED SCIENCE (2-0-2). Developing comprehension of the scientific principles utilized in plant growing and materials of construction.

HO 242 RELATED SCIENCE (2-0-2). Developing comprehension of the scientific principles utilized in; power equipment, lawn and shrub maintenance, and plant wounds, basic first aid.

HO 251 HORTICULTURE THEORY (7-0-7). Landscape maintenance. Plant identification and uses. Landscape design, turf management, and shade tree identification and installation.

HO 252 HORTICULTURE THEORY (7-0-7). Horticulture power machines and maintenance of tillers, mowers, shredders, construction design, nursery production, and garden center management.

HO 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.

HO 271 INDIVIDUAL PROJECTS (3-0-3). Providing the opportunity for the student to apply all his prior education in planning, developing, and completing a unique, practical horticulture project.

**Marketing* - Mid-Management - Two Year Program
Associate of Applied Science Degree**

NOTE: The Marketing-Mid-Management program is also listed in Part 7 of the catalog, under the College of Business.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102.....	3	3
Introduction to Business GB 202.....	3	-
Math or Information-Decision Science Elective.....	-	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	2
Elements of Management MM 105.....	3	-
Fundamentals of Speech Communication CM 111.....	3	-
	17	15
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
	16	16

NOTE: MM Courses are listed in Part 7 of the catalog

* 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.

**Office Occupations - Nine Month Program
Certificate of Completion**

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:

	1st SEM	2nd SEM
SECRETARY - 2 Semesters		
Business Math-Machines OF 118	4	-
Business Communications OF 110	5	-
Business Writing OF 120	-	5
Typing I, II or III OF 102, 103, or 104	4	4
Word Processing OF 114	-	3
Record Keeping OF 116	-	3
Filing OF 112	-	1
Shorthand I, II, or III OF 121, 122, 123	4	4
Shorthand Lab I or II OF 115, 117	1	1
	18	21
CLERK-TYPIST - 2 Semesters		
Business Math-Machines OF 118	4	-
Business Communications OF 110	5	-
Business Writing OF 120	-	5
Typing I, II, or III OR 102, 103 or 104	4	4
Word Processing OF 114	-	3
Record Keeping OF 116	-	3
Filing OF 112	1	-
	14	15
CLERK-GENERAL OFFICE - 2 Semesters		
Business Math-Machines OF 118	4	-
Business Communications OF 110	5	-
Business Writing OF 120	-	5
Typing I, II, or III OF 102, 102 or 104	4	4
Filing OF 112	-	1
Bookkeeping I OF 100	5	-
Bookkeeping II OF 101	-	5
	18	15

Course offerings

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, uncollectible 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 (5-0-5)(F).** 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 Proceeds from very simple clerical tasks to the introduction of elementary double-entry book-keeping 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 in business usage. Decimals, fractions, percentages, interest discounts, markup, installment 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 (5-0-4)(F/S).** Review of shorthand theory with emphasis on dictation 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 building of a broad shorthand vocabulary and the development of high speed in dictation with rapid 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 workmen receiving on-the-job instruction in such vocations as sheet-metal, carpentry, plumbing, welding, electricity, electronics, typing, automotives, 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).



Administration

Board of Trustees

Robert L. Montgomery, President Boise
Diane Bilyeu, Member Pocatello
Roberta Fields, Member New Meadows
Charles M. Grant, Member Rexburg
Cheryl Hymas, Member Jerome
Mike P. Mitchell, Member Lewiston
Dennis E. Wheeler, Member Wallace
Jerry L. Evans, State Superintendent of Public Instruction
(ex officio member) Boise

University Administration

Executive Officers

JOHN H. KEISER, Ph.D. President of the University
Larry Burke, B.A. Director, University Relations
Jacquelyn Cassell Administrative Assistant
John S. Franden, M.P.A. Executive Assistant
Elizabeth Hecker, Ph.D. Affirmative Action Director
Eugene Bleymaier, J.D. Director of Athletics

RICHARD E. BULLINGTON, Ed.D. Executive Vice President
Timothy A. Brown, M.S. University Librarian
Kenneth H. Hollenbaugh, Ph.D. Assoc. Exec. Vice President
Dean of Graduate College
Richard Mabbutt, M.A. Director, University Research Center
Clair Bowman, Ed.D. Director, Institutional Research

ASA M. RUYLE, Ed.D. Vice President for Financial Affairs
Alvin G. Hooten, M.S. Asst. Vice Pres., Financial Affairs
Ronald R. Turner, C.P.A. Budget Officer
Darrell VanKleek, B.S. Controller

DAVID S. TAYLOR, Ph.D. Vice President for Student Affairs
Guy L. Hunt, Ph.D. Dean of Admissions
Susanna Yunker, M.S. Registrar
Edwin E. Wilkinson, M.S. Dean, Student Special Services

Academic Officers

Victor H. Duke, Ph.D. Dean, College of Health Sciences
JoAnn Vahey, Ed.D. Associate Dean, Health Sciences
Richard L. Hart, Ed.D. Dean, College of Education
Lamont Lyons, Ed.D. Associate Dean, Education
Donald V. Heelas, Ed.D. Dean, Vocational-Technical Education
Tom G. Denison, Ph.D. Associate Dean,
Vocational-Technical Education
William L. Jensen, M.A. Director, Continuing Education
and Summer Sessions
William J. Keppler, Ph.D. Dean, College of Arts & Sciences
Margaret Peek, Ph.D. Associate Dean, Arts & Sciences
Thomas E. Stitzel, Ph.D. Dean, College of Business
Stewart Tubbs, Ph.D. Associate Dean, Business
Ronald Sloan, M.B.A. Director, Research & External
Relations, Business



Boise State University Faculty and Emeriti

Full-Time Official Faculty As of December, 1984#

A

- Ackley, Louise (1969)
Assistant Professor, English; M.A., University of Washington
- Adornato, Mary (1984)
Assistant Professor, Nursing; M.S., Catholic University of America
- Affleck, Stephen B (1981)
Associate Professor, Engineering; Ph.D., Iowa State University
- Allen, John W (1971)
Professor, Physics; Ph.D., Harvard University
- Allen, Robert L (1976)
Advanced Instructor, Industrial Mechanics; B.A., Boise State University
- Anderson, Robert (1970)
Professor, Mathematics; Ph.D., Michigan State University
- Arambarri, Gary (1976)
Senior Instructor, Welding; Chairperson, Heavy Technology; Diploma, Boise State University
- Ashworth, Lonny J (1977)
Associate Professor, Respiratory Therapy; M.S., College of Idaho
- Ayers, Kathleen L (1983)
Assistant Professor, Mathematics M.S., University of Idaho

B

- Baichtal, Melanie (1983)
Instructor, Practical Nursing; B.S.N., Cal State, Chico
- Baker, Charles W (1968)
Professor, Biology; Ph.D., Oregon State University
- Baker, Elizabeth (1980)
Associate Professor, Nursing; M.S., University of California San Francisco
- Baker, Richard P (1973)
Professor, Sociology; Chairperson, Soc, Anthro, & CJA Department; Ph.D., Washington State University
- Baldassarre, Joseph A (1975)
Assistant Professor, Music; M.A., Kent State University
- Baldner, Ronald (1978)
Assistant Professor, Welding; M.S., University of Idaho
- Baldwin, David A (1977)
Head Librarian, Curriculum Resource Ctr, Library; Associate Professor, Library Science; M.A., University of Iowa
- Baldwin, John B (1971)
Professor, Music; Ph.D., Michigan State University
- Ball, Richard (1974)
Associate Professor, Mathematics; Ph.D., University of Wisconsin
- Banks, Richard C (1968)
Professor, Organic Chemistry; Ph.D., Oregon State University
- Barrett, Gwynn W (1968)
Professor, History; Ph.D., Brigham Young University
- Barsness, Wylla D (1968)
Professor, Psychology; Ph.D., University of Minnesota
- Barton, Charles Rayborn (1981)
Associate Professor, Political Science; Acting Associate Dean, School of Public Affairs; Ph.D., University of Alabama
- Bauwens, Jeanne (1984)
Assistant Professor, Teacher Education; Ed.D., University of Idaho
- Bechard, Marc Joseph (1983)
Assistant Professor, Biology; Ph.D., Washington State University
- Beitia, John (1970)
Professor, Teacher Education; Ed.D., Utah State University
- Belfy, Jeanne Marie (1983)
Assistant Professor, Music; M.A., Ball State University
- Benson, Elmo B (1975)
Associate Professor, Art; Ed.D., University of Idaho
- Bentley, Elton B (1980)
Associate Professor, Geology, Geophysics; Ph.D., University of Oregon

- Benton, Danny (1983)
Instructor, Drafting; B.S., La Salle Extension University
- Berg, Lynn (19)
Assistant Professor, Music; D.M.A., University of Wisconsin-Madison
- Bieter, J Patrick (1969)
Professor, Teacher Education; Ed.D., University of Idaho
- Bigelow, John D (1982)
Associate Professor, Management; Ph.D., Case Western Reserve University
- Billings, Donald B (1972)
Professor, Economics; Ph.D., University of Oregon
- Bixby, Michael (1981)
Assistant Professor, Management; J.D., University of Michigan
- Blain, Michael (1983)
Assistant Professor, Sociology; Ph.D., University of Colorado
- Blankenship, Jim (1977)
Associate Professor, Art; M.F.A., Otis Art Institute
- Boren, Robert R (1971)
Professor, Communication; Chairperson, Communication Department; Ph.D., Purdue University
- Bounds, Karen J (1973)
Associate Professor, Admin Services; Ed.D., North Texas State University
- Bowman, Bill C (1969)
Professor, Physical Education; Chairperson, Physical Education Department; Ed.D., Brigham Young University
- Bowman, Clair M (1976)
Director, Institutional Research; Professor, Teacher Education; Ed.D., Indiana University
- Bowman, Phyllis E (1970)
Assistant Professor, Physical Education; M.A., Brigham Young University
- Boyer, Dale K (1968)
Professor, English; Ph.D., University of Missouri
- Boylan, Richard (1971)
Professor, Communication; Ph.D., University of Iowa
- Boyles, Jean C (1949)
Assistant Professor, Physical Education; M.S., University of Colorado
- Bratt, J Wallis (1970)
Associate Professor, Music; M.M., University of Utah
- Brender, Susan I (1969)
Professor, Information Science; Ph.D., University of Iowa
- Brinton, Alan P (1975)
Professor, Philosophy; Ph.D., University of Minnesota
- Brown, Timothy (1977)
University Librarian; Associate Professor, Library Science; M.S., University of Illinois
- Brownfield, Theodore (1979)
Standard Instructor, Hvy-Duty Mechanics (Diesel);
- Brownsmith, Cynthia L (1979)
Associate Professor, Psychology, Teacher Education; Ph.D., Indiana University
- Brudenell, Ingrid (1981)
Assistant Professor, Nursing; M.S., University of Colorado
- Buhler, Peter (1980)
Associate Professor, History; Ph.D., University of California San Diego
- Bullington, Richard E (1968)
Executive Vice President; Professor, Education; Ed.D., University of Alabama
- Burkey, Ralph (1973)
Senior Instructor, Drafting;
- Burmaster, Orvis (1968)
Assistant Professor, English; M.A., University of Montana
- Buss, Stephen R (1979)
Assistant Professor, Theatre Arts; Ph.D., Washington State University

#The Date in Parentheses Is The Year of First Appointment.

Faculty

- Butler, Doris A (1980)
Standard Instructor, Office Occupations; Diploma, Boise State University
- Butterfield, Patricia (1983)
Assistant Professor, Nursing; M.S.N., University of Colorado-Boulder
- Button, Sherman G (1976)
Professor, Physical Education; Ph.D., University of Utah
- ### C
- Cadwell, Dan E (1981)
Standard Instructor, Business Machine Repair;
- Callies, Erma M (1969)
Chairperson, Student Services, Vo-Tech; Instructor; M.Ed., University of Idaho
- Capell, Harvey J (1982)
Assistant Professor, Decision Sciences; M.B.A., Northwestern University
- Carlton, Janet (1974)
Assistant Professor, Office Occupations; M.A., Boise State University
- Carter, Loren S (1970)
Professor, Chemistry; Ph.D., Washington State University
- Centanni, Russell (1973)
Professor, Biology; Ph.D., University of Montana
- Chastain, Garvin (1978)
Associate Professor, Psychology; Ph.D., University of Texas
- Christensen, James L (1970)
Associate Professor, Sociology; Ph.D., University of Utah
- Clark, Marvin A (1969)
Professor, Admin Services; Ph.D., University of Minnesota
- Cocotis, Mardie A (1972)
Associate Professor, English; M.A., Reed College
- Colby, Conrad (1970)
Associate Professor, Respiratory Therapy, Medical Records; Chairperson, Allied Health Studies; Director, Respiratory Therapy; M.A., University of Montana
- Collins, Maria T (1984)
Assistant Professor; Teacher Education; Ph.D., University of Oregon
- Connor, Doran L (1966)
Assistant Professor, Physical Education; M.S., Utah State University
- Corbin, A Robert (1967)
Assistant Professor, Sociology; Th.M., Iliff School of Theology
- Cornwell, Robert (1969)
Professor, Admin Services; Ed.D., Arizona State University
- Cox, T Virginia (1967)
Associate Professor, Anthropology; Ph.D., University of Georgia
- Cox, Verl M (1977)
Professor, Communication; Ph.D., University of Kansas
- Crane, David E (1969)
Head Librarian, Catalog & Serials Dept, Library; Associate Professor, Library Science; M.A., San Jose State University
- Craner, G Dawn (1975)
Assistant Professor, Communication; M.A., Purdue University
- Craychee, Gary A (1981)
Assistant Professor, Radiologic Sciences; Ph.D., University of Iowa
- Curtis, "Merle" (1971)
Instructor, Surgical Technology; Chairperson, Health Occupations;
- ### D
- Dahlberg, E John Jr (1970)
Professor, Teacher Education; Ed.D., University of Oregon
- Dahm, Norman (1953)
Professor, Engineering; Associate Chairperson, Physics & Engineering Department; M.Ed., University of Colorado
- Dallas, Mary (1976)
Advanced Instructor, Practical Nursing; Program Head, Practical Nursing; M.S., University of Idaho
- Dalton, Allen (1982)
Assistant Professor, Economics; Ph.D., Virginia Poly Inst & State University
- Dalton, Jack (1958)
Professor, Chemistry; Chairperson, Chemistry Department; M.S., Kansas State University
- Davis, Charles (1963)
Professor, English; Chairperson, English Department; Ph.D., University of North Carolina
- Dayley, Jon Philip (1982)
Assistant Professor, English; Ph.D., University of California Berkeley
- Denison, Tom (1983)
Assistant Dean, School of Vo-Tech Education; Assistant Professor; Ph.D., Washington State University
- Dodson, Jerry (1970)
Professor, Psychology; Ph.D., Purdue University
- Dodson, Robert B (1979)
Standard Instructor, Electronics Technology; B.S.E.E., Seattle University
- Donaldson, Paul R (1975)
Professor, Geology, Geophysics; Ph.D., Colorado School of Mines
- Donoghue, Dennis (1973)
Professor, Political Science; Ph.D., Miami University of Ohio
- Dorman, Pat (1967)
Professor, Sociology; Ph.D., University of Utah
- Douglas, Dorothy (1981)
Associate Professor, Biology; Ph.D., University of California Berkeley
- Douglass, J D Jr (1972)
Associate Professor, Art; M.F.A., Cranbrook Academy
- Downs, Richard R (1975)
Associate Professor, Psychology; Counseling Psychologist, Counseling & Testing Center; Ed.D., Ball State University
- Draayer, Gerald F (1976)
Associate Professor, Economics; Director, Center For Economic Education; Ph.D., Ohio University
- Duke, Victor H (1972)
Dean, College of Health Science; Professor, Pharmacology, Health Science; Ph.D., University of Utah
- Dykstra, Dewey I, Jr (1981)
Assistant Professor, Physics; Ph.D., University of Texas Austin
- ### E
- Eastman, Phillip (1977)
Professor, Mathematics; Ph.D., University of Texas
- Edmundson, Eldon (1976)
Associate Professor, Public Health, Health Science; Chairperson, Community & Environmental Health; Ph.D., Washington State University
- Edmundson, Phyllis (1974)
Professor, Teacher Education; Ed.D., University of Northern Colorado
- Elliott, Wilber D (1969)
Professor, Music; Chairperson, Music Department; M.E., Central Washington University
- Ellis, Robert W (1971)
Professor, Biochemistry; Ph.D., Oregon State University
- Ericson, Robert E (1970)
Associate Professor, Theatre Arts; Ph.D., University of Oregon
- Evet, Stuart D (1972)
Assistant Professor, English; M.A., Vanderbilt University
- ### F
- Fahleson, Genger (1974)
Assistant Professor, Physical Education; M.Ed., Bowling Green State University
- Ferguson, David J (1970)
Associate Professor, Mathematics; Ph.D., University of Idaho
- Fletcher, Allan W (1970)
Professor, History; Ph.D., University of Washington
- Foraker-Thompson, Jane (1982)
Assistant Professor, Criminal Justice Administration; Ph.D., University of California Berkeley
- Fountain, Carol E (1967)
Associate Professor, Nursing; M.N., Montana State University

- Fox, Roy F (1978)
Assistant Professor, English; Coordinator, Composition, English Department; Ph.D., University of Missouri Columbia
- Frankle, Alan (1984)
Associate Professor, Finance; Ph.D., University of Arizona
- Frederick, E Coston (1971)
Professor, Teacher Education; Director, Reading Education Center; Ph.D., Syracuse University
- French, Judith (1976)
Associate Professor, Teacher Education; Ph.D., Florida State University
- Friedli, Robert L (1972)
Professor, Teacher Education; Ph.D., University of Utah
- Fritchman, II H K (1954)
Professor, Biology; Ph.D., University of California Berkeley
- Fuhriman, Jay R (1982)
Assistant Professor, Teacher Education; Director, Bilingual Education; Coordinator, Foreign Languages; Ed.D., Texas A & I University
- Fuller, Eugene G (1967)
Professor, Biology; Ph.D., Oregon State University
- G**
- Gabert, Marvin C (1979)
Assistant Professor, Construction Management; M.A., Stanford University
- Gaines, Marlin (1980)
Instructor, Agricultural Equipment;
- Gallup, V-Lyman (1977)
Associate Professor, Decision Sciences; Head Coach, Golf; Ph.D., University of Oregon
- Gardner, Norman D (1974)
Associate Professor, Finance; Ph.D., University of Utah
- Gill, Edward K (1982)
Associate Professor, Finance; Ph.D., University of Oregon
- Gingras, Russell T (1982)
Associate Professor, Accounting; D.B.A., Michigan State University
- Glassen, Gustav B (1979)
Instructor, Machine Shop; Certificate, Mergenthaler Linotype Co
- Glen, Roy (1982)
Associate Professor, Management; Ph.D., Case Western Reserve University
- Gourley, Margaret (1978)
Standard Instructor, Child Care; B.A., College of Wooster
- Grantham, Stephen B (1982)
Assistant Professor, Mathematics; Ph.D., University of Colorado
- Griffin, John (1983)
Assistant Professor, Mathematics; Ph.D., Washington State University
- Groebner, David F (1973)
Professor, Decision Sciences; Ph.D., University of Utah
- Guilford, Charles (1981)
Assistant Professor, English; Ph.D., Northern Illinois University
- H**
- Haacke, Don P (1971)
Head Librarian, Maps & Spl Collections Dept, Libr; Associate Professor, Library Science; M.L.S., University of Washington
- Hadden, James (1972)
Assistant Professor, English; M.A., University of Washington
- Haefel, James A (1982)
Associate Professor, Engineering; M.S.E.E., Montana State University
- Hall, Lee Edward (1979)
Standard Instructor, Hvy-Duty Mechanics (Diesel);
- Hambleton, Benjamin E (1975)
Director, Educational Media Services; Assistant Professor, Teacher Education; M.Ed., Utah State University
- Hansen, Bobbi (1984)
Assistant Professor, Teacher Education; Ed.D., University of Southern California
- Hansen, Ralph W (1979)
Associate University Librarian; Professor, Library Science; M.L.S., University of California Berkeley
- Harbison, Warren (1977)
Associate Professor, Philosophy; Ph.D., Syracuse University
- Harsha, Phillip (1984)
Assistant Professor, Accounting; Ph.D., Georgia State University
- Hart, Richard L (1978)
Dean, College of Education; Professor, Education; Ed.D., University of Nebraska Lincoln
- Hausrath, Alan (1977)
Associate Professor, Mathematics; Ph.D., Brown University
- Healas, Donald V (1980)
Dean, School of Vo-Tech Education; Professor, Italian; Ed.D., Wayne State University
- Heap, Felix A (1978)
Associate Professor, Art; Ph.D., University of Minnesota
- Heise, Frank K (1971)
Associate Professor, Theatre Arts; Director, Operations, Morrison Center; M.A., University of South Dakota
- Heist, Noreen (1984)
Instructor, Practical Nursing; B.S.N., University of Utah
- Herrig, Linda (1982)
Instructor, Teacher Education; M.A., Boise State University
- Hibbs, Robert A (1965)
Professor, Analytical Chemistry; Ph.D., Washington State University
- Hill, Ken L (1968)
Professor, Teacher Education; Chairperson, Teacher Education Department; Ed.D., University of Idaho
- Hoff, Lavar K (1969)
Instructor, Culinary Arts; B.S., Utah State University
- Hoge, John D (1980)
Associate Professor, Teacher Education; Ph.D., Florida State University
- Hollenbaugh, Ken (1968)
Associate Executive Vice President; Dean, Graduate College; Professor, Geology; Ph.D., University of Idaho
- Hoopes, Gaye (1978)
Assistant Professor, Art; M.A., Boise State University
- Hopfenbeck, Ted H (1967)
Associate Professor, Criminal Justice Administration; M.Ed., University of Arizona
- Hopper, James W (1970)
Associate Professor, Music; M.A., Iowa State University
- Hopper, Keith (1979)
Instructor, Respiratory Therapy; Clinical Coordinator, Respiratory Therapy; Assc, Boise State University
- Hsu, Madeleine (1971)
Professor, Music; Ph.D., New York University
- Huff, Daniel D (1970)
Professor, Social Work; M.S.W., University of Kansas
- Huff, Howard L (1965)
Professor, Art; M.F.A., University of Idaho
- Hughes, Robert B (1971)
Professor, Mathematics; Ph.D., University of California Riverside
- Hunt, Guy L (1970)
Dean, Admissions; Associate Professor, Education; Ph.D., Arizona State University
- Hunter, John A (1982)
Assistant Professor, Mathematics; Ph.D., University of California San Diego
- Huskey, Darryl L (1968)
Head Librarian, Govt Publications Dept, Library; Associate Professor, Library Science; M.L., Emporia State University
- Hyde, Kenneth A (1979)
Instructional Product Development Spl, Educational Media Services; Assistant Professor, Education; M.Ed., Utah State University
- I**
- Imbs, Bonnie J (1976)
Advanced Instructor, Dental Assisting; Program Head, Dental Assisting; Certificate, State University of New York
- Ison, M Gail (1970)
Professor, Psychology; Ph.D., University of Oregon

Faculty

J

- Jacoby, Edward G (1973)
Head Coach, Mens Track; Assistant Professor, Physical Education;
M.S., University of Northern Colorado
- Jansson, Paul R (1981)
Instructor, Consumer Electronics; Diploma, Cleveland Institute of
Electronics
- Jensen, John H (1969)
Professor, Teacher Education; Ph.D., University of Oregon
- Jensen, Margaret G (1982)
Assistant Professor, Teacher Education; Ph.D., Texas A & I
University
- Job, Sharon D (1980)
Associate Professor, Nursing; M.Ed., Boise State University
- Jocums, George A (1973)
Professor, Foreign Languages; Ph.D., University of Michigan
- Johnson, David (1980)
Associate Professor, Social Work; M.S.W., Rutgers State University
- Jones, Donald S (1970)
Senior Instructor, Business Machine Repair;
- Jones, Errol D (1982)
Assistant Professor, History; Ph.D., Texas Christian University
- Juola, Robert C (1970)
Professor, Mathematics; Ph.D., Michigan State University

K

- Keiser, John H (1978)
President, Boise State University; Professor, History; Ph.D.,
Northwestern University
- Kelley, Fenton C (1969)
Associate Professor, Biology; Ph.D., University of California
Berkeley
- Kenny, G Otis (1976)
Associate Professor, Mathematics; Ph.D., University of Kansas
- Keppler, William (1977)
Dean, College of Arts & Sciences; Professor, Biology; Ph.D., Uni-
versity of Illinois
- Kerr, Charles R (1969)
Professor, Mathematics; Chairperson, Mathematics Department;
Ph.D., University of British Columbia
- Kettlewell, Ursula I (1979)
Associate Professor, Management; J.D., University of Idaho
- Killmaster, John (1970)
Professor, Art; M.F.A., Cranbrook Academy
- King, Jay A (1975)
Assistant Professor, English; M.A., New York University
- King, Louis J (1972)
Advanced Instructor, Auto Mechanics;
- Kinney, Richard S (1976)
Associate Professor, Political Science; M.A., University of Notre
Dame
- Kirtland, William (1969)
Professor, Teacher Education; Ed.D., Arizona State University
- Knowlton, Leo L (1965)
Professor, Marketing; M.S., University of Idaho
- Kober, Alfred (1968)
Professor, Art; M.S., Fort Hayes Kansas State College
- Kraker, Thomas L (1977)
Associate Professor, Radiologic Sciences; M.Ed., College of Idaho

L

- LaCava, Gerald (1982)
Associate Professor, Decision Sciences; Ph.D., University of Kansas
- Lambert, Carroll (1976)
Professor, Teacher Education; Ed.D., Utah State University
- Lamborn, Ellis W (1968)
Professor, Economics; Ph.D., Cornell University
- Lamet, Daniel G (1970)
Professor, Mathematics; Ph.D., University of Oregon
- Lane, Richard C (1969)
Associate Professor, Marketing; M.S., Kansas State University
- Lathen, William (1984)
Assistant Professor, Accounting; D.B.A., Arizona State University

- Lauterbach, Charles E (1971)
Professor, Theatre Arts; Chairperson, Theatre Arts Department;
Ph.D., Michigan State University
- Leahy, Richard (1971)
Professor, English; Ph.D., University of California Davis
- Lewis, Ray (1973)
Associate Professor, Physical Education; M.Ed., University of Idaho
- Lichtenstein, Peter M (1975)
Professor, Economics; Ph.D., University of Colorado
- Lincoln, Douglas (1980)
Associate Professor, Marketing; Chairperson, Mktg & Admin
Services; Ph.D., Virginia Poly Inst & State University
- Lingenfelter, Joan (1973)
Senior Instructor, Child Care; Chairperson, Service Occupations
Department;
- Lojek, Helen (1983)
Assistant Professor, English; Ph.D., University of Denver
- Long, Elaine M (1975)
Associate Professor, Nutrition; M.S., Iowa State University
- Long, James A (1974)
Associate Professor, Biology; Ph.D., Iowa State University
- Lovin, Hugh T (1965)
Professor, History; Ph.D., University of Washington
- Luke, Robert A (1968)
Professor, Physics; Chairperson, Physics & Engineering Depart-
ment; Ph.D., Utah State University
- Lundy, Phoebe J (1966)
Associate Professor, History; M.S., Drake University
- Lynch, Donna (1979)
Assistant Professor, Nursing; M.S., University of Colorado
- Lyons, Lamont S (1977)
Associate Professor, Teacher Education; Associate Dean, College
of Education; Ed.D., University of Massachusetts

M

- MacInnis, Dorothy (1962)
Senior Instructor, Dental Assisting; Certificate, University of North
Carolina
- Madden, Terry Jo (1983)
Reference Librarian, Reference Dept, Library; Instructor, Library
Science; M.L., University of Washington
- Maguire, James (1970)
Associate Professor, English; Ph.D., Indiana University
- Maki, Allan E (1981)
Instructor, Horticulture; B.S.A., University of Idaho
- Maloof, Giles (1968)
Professor, Mathematics; Ph.D., Oregon State University
- Manship, Darwin W (1970)
Professor, Admin Services; Ed.D., Brigham Young University
- Martin, Carol A (1972)
Professor, English; Ph.D., Catholic University of America
- Mason, Jon L (1983)
Assistant Professor, Construction Management; M.B.A., Univ of
Santa Clara
- Matjeka, Anne L (1977)
Reference Librarian, Reference Dept, Library; Assistant Professor,
Library Science; M.L.S., State University of New York Albany
- Matjeka, Edward R (1976)
Professor, Organic Chemistry; Ph.D., Iowa State University
- Matson, Constance (1968)
Associate Professor, Nursing; M.Ed., University of Idaho
- Maxson, Emerson C (1968)
Associate Professor, Information Science; Chairperson, Info Sci,
Decision Sci, & Finance; D.B.A., Texas Tech University
- McCain, Gary (1979)
Associate Professor, Marketing; Ph.D., University of Oregon
- McCloskey, Richard (1976)
Associate Professor, Biology; Ph.D., Iowa State University
- McCorkle, Suzanne (1978)
Associate Professor, Communication; Ph.D., University of Col-
orado
- McGrath, Neill Brian (1983)
Assistant Professor, Economics; Ph.D., Brown University

- McGuire, Sherry (1967)
Assistant Professor, English; M.A., Washington State University
- McKie, Gerald (1983)
Instructor, Electrical Lineperson; Certificate, Idaho Power Co
- McLuskie, C Ed Jr (1981)
Associate Professor, Communication; Ph.D., University of Iowa
- Mech, William P (1970)
Professor, Mathematics; Director, Honors Program; Ph.D., University of Illinois
- Medlin, John J (1970)
Associate Professor, Accounting; M.B.A., University of Denver
- Mercer, Gary D (1975)
Professor, Inorganic Chemistry; Ph.D., Cornell University
- Merz, Michael (1974)
Professor, Accounting; D.B.A., University of Southern California
- Metzger, Wanda M (1976)
Advanced Instructor, Office Occupations;
- Meyer, Carroll J (1948)
Professor, Music; M.A., University of Iowa
- Mikesell, Charles (1976)
Advanced Instructor, Auto Mechanics;
- Miller, Beverly A (1968)
Reference Librarian, Rfrnce Dept/Interlibrary Loan, Library; Associate Professor, Library Science; M.A., University of Denver
- Miller, Merlin (1982)
Associate Professor, Art; M.F.A., Brigham Young University
- Millier, Jerold R (1975)
Assistant Professor, Accounting; M.A., University of Arizona
- Moncrief, Gary D (1976)
Professor, Political Science; Ph.D., University of Kentucky
- Munk, Bruce F (1978)
Assistant Professor, Radiologic Sciences; M.Ed., College of Idaho
- Munns, Kenneth L (1976)
Associate Professor, Teacher Education; Ed.D., University of Idaho
- Murray, Robert (1980)
Associate Professor, Physical Education; Ph.D., Ohio State University
- N**
- Nelson, Anne M (1967)
Associate Professor, Education; Counseling Psychologist, Counseling & Testing Center; Ph.D., University of Oregon
- Newby, Gary R (1966)
Professor, Physics; Ph.D., Arizona State University
- Nickerson, Ross S (1966)
Assistant Professor, English; M.A., University of Utah
- Nix, David E (1975)
Associate Professor, Accounting; Ph.D., Oklahoma State University
- Norman, Frederick J (1969)
Professor, Arts; Executive Director, Morrison Center; M.A., University of Northern Colorado
- O**
- Oakes, Donald R (1966)
Associate Professor, Music; Associate Chairperson, Music Department; M.M., Northwestern University
- Ochi, Frederic D (1971)
Associate Professor, Art; M.F.A., University of California Los Angeles
- Odahl, Charles M (1975)
Associate Professor, History; Ph.D., University of California San Diego
- Oliver, Mamie (1972)
Associate Professor, Social Work; Ph.D., Washington State University
- Olson, Thomas (1975)
Standard Instructor, Applied Mathematics; B.S.Ed., University of Idaho
- Oly, Lee Robert (1984)
Assistant Professor, Radiologic Sciences; M.Ed., Bowling Green State University
- Oravez, David L (1964)
Associate Professor, Art; M.F.A., University of Wisconsin
- Ostrander, Gloria (1971)
Head Librarian, Monographs Dept, Library; Acquisitions Librarian; Associate Professor, Library Science; M.L.S., University of Washington
- Ourada, Patricia (1962)
Professor, History; Ph.D., University of Oklahoma
- Overgaard, Willard (1972)
Professor, Political Science; Chairperson, Political Science & Philosophy Dept; Ph.D., University of Minnesota
- Oyler, Neldon D (1966)
Instructor, Horticulture; B.S., Brigham Young University
- P**
- Panitch, Arnold (1974)
Associate Professor, Social Work; M.S.W., Wayne State University
- Papenfuss, Herbert (1967)
Professor, Biology; Ph.D., Colorado State University
- Papinchak, Robert (1979)
Assistant Professor, English; Ph.D., University of Wisconsin Madison
- Parke, Charles R (1980)
Instructor, Auto Body; Certificate, Idaho State University
- Parker, Ben L (1977)
Associate Professor, Communication; Ph.D., Southern Illinois University
- Parks, Donald J (1973)
Professor, Engineering; Ph.D., University of Minnesota
- Pavesic, Max G (1973)
Professor, Anthropology; Ph.D., University of Colorado
- Payne, Richard D (1970)
Professor, Economics; Ph.D., University of Southern California
- Pearson, Thel (1982)
Associate Professor, Teacher Education; Ph.D., University of California San Francisco
- Peck, Louis A (1955)
Professor, Art; Chairperson, Art Department; Ed.D., University of Idaho
- Peek, Margaret (1969)
Associate Professor, English; Associate Dean, College of Arts & Sciences; Ph.D., University of Nebraska
- Pelton, John R (1982)
Assistant Professor, Geology, Geophysics; Ph.D., University of Utah
- Penner, June R (1974)
Associate Professor, Nursing; M.P.H., University of California Berkeley
- Peterson, Ellis R (1964)
Professor, Physical Chemistry; Ph.D., Washington State University
- Peterson, Faith Y (1979)
Instructor, Nursing; M.P.A., Boise State University
- Pfeiffer, Ronald (1980)
Assistant Professor, Physical Education; M.S., University of Oregon
- Phillips, Charles (1969)
Professor, Management; Ph.D., University of Iowa
- Phillips, John L (1954)
Professor, Psychology; Chairperson, Psychology Department; Ph.D., University of Utah
- Pitman, C Harvey (1966)
Associate Professor, Communication; M.Ed., Washington State University
- Place, Patrick (1983)
Instructor, Wastewater Treatment;
- Poshek, Neila (1984)
Professor, Nursing; Chairperson, Nursing Department; Director, Baccalaureate Degree Nursing; D.Ed., University of Tulsa
- Profit, Rex E (1977)
Assistant Professor, Radiologic Sciences; Chairperson, Radiologic Sciences; B.S., Central Michigan University
- Quinowski, C D (1970)
Vocational Counselor, Vocational Counseling; Instructor; B.S.Ed., Southern Oregon State College
- R**
- Rayborn, David W (1969)
Associate Professor, Communication; M.S., Southern Illinois University

Faculty

- Raymond, Gregory (1974)
Professor, Political Science; Ph.D., University of South Carolina
- Reimann, Richard J (1975)
Professor, Physics; Ph.D., University of Washington
- Reynolds, R Larry (1979)
Professor, Economics; Ph.D., Washington State University
- Ribner, Andrew (1980)
Librarian, Catalog & Serials Dept, Library; Assistant Professor, Library Science; M.L.S., University of California Berkeley
- Riffie, Lyndon (1984)
Assistant Professor, Marketing; M.B.A., University of Missouri
- Rinnert, Carol (1977)
Assistant Professor, English; Ph.D., State University of New York Buffalo
- Roberts, George F (1970)
Professor, Art; M.F.A., University of Iowa
- Robertson, John B (1974)
Associate Professor, Foreign Languages; Ph.D., University of Arizona
- Rockne, Elaine C (1968)
Instructor, Medical Records; Director, Medical Record Science; B.A., College of St Scholastica
- Russell, James K (1969)
Associate Professor, Art; M.F.A., University of Iowa
- Ruyle, Asa M (1976)
Vice President, Financial Affairs; Bursar; Professor, Education; Ed.D., University of Missouri
- Rychert, Robert C (1975)
Professor, Biology; Chairperson, Biology Department; Ph.D., Utah State University
- S**
- Sadler, Norma J (1973)
Professor, Teacher Education; Ph.D., University of Wisconsin
- Sahni, Chaman L (1975)
Professor, English; Ph.D., Wayne State University
- Sallie, Steven S (1981)
Assistant Professor, Political Science; Ph.D., University of Nebraska
- Samball, Michael (1976)
Associate Professor, Music; M.M., North Texas State University
- Sanderson, Richard (1971)
Assistant Professor, English; Ph.D., New York University
- Schall, Frances M (1982)
Assistant Professor, Nursing; M.S.N., Vanderbilt University
- Scheffer, Martin (1964)
Professor, Sociology; Ph.D., University of Utah
- Schoedinger, Andrew B (1972)
Associate Professor, Philosophy; Ph.D., Brown University
- Scholes, Mary (1971)
Senior Instructor, Special Needs; B.A., College of Idaho
- Schroeder, Gerald (1978)
Associate Professor, Music; D.M.A., University of Colorado
- Schroeder, Jeff D (1976)
Instructor, Small Engine Repair; Assc, Boise State University
- Scudder, Duston R (1964)
Professor, Marketing; Ed.D., Oregon State University
- Seddon, Carol (1978)
Associate Professor, Medical Records; Coordinator, Clinical Practice, Med Records; M.S., Oregon State University
- Selander, Glenn E (1966)
Assistant Professor, English; M.A., Utah State University
- Shankweiler, William E (1956)
Professor, Theatre Arts; Ph.D., University of Denver
- Shelton, Melvin L (1969)
Professor, Music; M.M., University of Idaho
- Shin, Bong (1979)
Associate Professor, Management; Chairperson, Management Department; Ph.D., University of Georgia
- Shin, Tim S (1983)
Assistant Professor, History; Ph.D., University of California Berkeley
- Shurtleff, Cheryl (1978)
Assistant Professor, Art; M.A., Boise State University
- Sims, Robert C (1970)
Professor, History; Ph.D., University of Colorado
- Singh, Ramlaykha (1975)
Professor, Teacher Education; Coordinator, Field Services, Teacher Education; Ed.D., University of Northern Colorado
- Skillern, William (1971)
Professor, Political Science; Director, Interdisciplinary Humanities; Ph.D., University of Idaho
- Skirmants, Alexandra (1970)
Standard Instructor, Special Needs; M.A., Idaho State University
- Skoro, Charles L (1982)
Assistant Professor, Economics; Acting Chairperson, Economics Department; Ph.D., Columbia University
- Skov, Arny R (1967)
Professor, Art; M.F.A., University of Idaho
- Sluder, Stan (1984)
Instructor, Electronics Technology; Certificate, Idaho State University
- Smith, Brent (1981)
Assistant Professor, Art; M.F.A., Utah State University
- Smith, Donald D (1967)
Professor, Psychology; Ed.D., University of Southern California
- Smith, William S (1973)
Professor, Physics; Ph.D., University of Wisconsin
- Snow, Mark E (1971)
Professor, Psychology; Ph.D., University of Utah
- Spafford, Stephen (1972)
Associate Dean, Admissions; Instructor, Political Science; M.A., University of Oregon
- Speake, Constance (1981)
Associate Professor, Music; M.M.E., University of Michigan
- Spinosa, Claude (1970)
Professor, Geology; Chairperson, Geology Department; Ph.D., University of Iowa
- Spitzer, Terry-Ann (1981)
Assistant Professor, Physical Education; M.S., University of Illinois
- Stark, Frank W (1957)
Professor, Chemistry, Physical Science; M.S., Trinity College
- Steger, Harry L (1972)
Associate Professor, Psychology; Ph.D., University of Kentucky
- Stitzel, Thomas E (1975)
Dean, College of Business; Professor, Management, Finance; Ph.D., University of Oregon
- Straub, Hilary (1984)
Instructor, Nursing; M.S.Ed., Indiana University At Bloomington
- Strong, Janet (1973)
Head Librarian, Circulation Dept, Library; Orientation Librarian; Associate Professor, Library Science; M.L.S., University of Washington
- Sugiyama, Masao (1974)
Associate Professor, Mathematics; Associate Chairperson, Mathematics Department; Ph.D., Washington State University
- Sulanke, Robert (1970)
Professor, Mathematics; Ph.D., University of Kansas
- T**
- Takeda, Yozo (1969)
Professor, Mathematics; Ph.D., University of Idaho
- Takehara, John S (1968)
Professor, Art; M.A., Los Angeles State College
- Taye, John A (1975)
Associate Professor, Art; M.F.A., Otis Art Institute
- Taylor, Adrien P Jr (1977)
Head Librarian, Reference Dept, Library; Associate Professor, Library Science; M.A., University of Denver
- Taylor, David S (1972)
Vice President, Student Affairs; Professor, Psychology; Ph.D., Michigan State University
- Taylor, Patricia (1975)
Associate Professor, Nursing; M.Ed., College of Idaho
- Taylor, Ronald S (1975)
Assistant Professor, Art; M.F.A., Utah State University
- Thomas, Karen S (1981)
Assistant Professor, English; M.A., University of California Davis
- Thomason, George (1975)
Assistant Professor, Music; M.A., Boise State University

- Thorngren, Connie (1970)
Assistant Professor, Physical Education; M.Ed., Central Washington University
- Tillman, Charles (1977)
Standard Instructor, Hvy-Duty Mechanics (Diesel); Chairperson, Mechanical Technology; Diploma, University of Idaho
- Tompkins, James W (1963)
Assistant Professor, Industrial Communications; B.D., Th.B., Westminster Theological Seminary
- Towle, Mary Ann (1976)
Advanced Instructor, Practical Nursing; B.S., University of Idaho
- Trapp, Mary E (1981)
Associate Professor, Communication; Ph.D., University of Iowa
- Traynowicz, Laurel (1981)
Assistant Professor, Communication; M.A., University of Iowa
- Trusky, A Thomas (1970)
Associate Professor, English; M.A., Northwestern University
- Tubbs, Stewart (1983)
Associate Dean, College of Business; Professor, Management; Ph.D., University of Kansas
- Tucker, Walter (1975)
Advanced Instructor, Air Conditioning; Certificate, Idaho State University

V

- Vahey, JoAnn T (1973)
Professor, Nursing; Associate Dean, College of Health Science; Ed.D., Columbia University
- Valverde, Luis J (1965)
Professor, Foreign Languages; Ed.D., University of California Los Angeles
- Vaughn, Ross E (1973)
Associate Professor, Physical Education; Ph.D., Washington State University
- Vinz, Warren L (1968)
Professor, History; Chairperson, History Department; Ph.D., University of Utah

W

- Waag, Charles J (1981)
Associate Professor, Geology; Ph.D., University of Arizona
- Wade, Mildred R (1981)
Associate Professor, Nursing; Director, Associate Degree Nursing; M.S.N., University of Colorado
- Waite, Wenden W (1976)
Professor, Teacher Education; Ph.D., Utah State University
- Waldorf, Larry L (1970)
Associate Professor, Management; Ph.D., Colorado State University
- Wallace, Steve R (1972)
Assistant Professor, Physical Education; M.S., University of Utah
- Walsh, Anthony (1984)
Assistant Professor, Criminal Justice Administration; Ph.D., Bowling Green State University
- Warberg, William (1977)
Associate Professor, Admin Services; Director, Internships/Cooperative Education; Ed.D., Oregon State University
- Ward, Frederick (1969)
Professor, Mathematics; Ph.D., Virginia Poly Inst & State University
- Warner, Kathleen C (1966)
Assistant Professor, English; Ph.D., Indiana University
- Watia, Tarmo (1969)
Associate Professor, Art; M.F.A., University of Michigan
- Watts, Donald J (1973)
Senior Instructor, Drafting; B.S.C.E., University of Idaho
- Wertman, Donald L (1979)
Senior Instructor, Machine Shop; Assc, Pennsylvania State University
- Weston, Allen (1964)
Senior Instructor, Drafting; Chairperson, Light Technology; M.Ed., Idaho State University
- White, Craig (1980)
Assistant Professor, Geology, Geophysics; Ph.D., University of Oregon

- White, Wayne E (1965)
Professor, Management; Director, Aviation Management; M.A., Arizona State University
- Wicklow-Howard, Marcia (1975)
Professor, Biology; Associate Chairperson, Biology Department; Ph.D., Oregon State University
- Widmayer, Jayne A (1981)
Associate Professor, English; Ph.D., University of Michigan
- Wilcox, Marguerite (1972)
Associate Professor, Nursing; M.N., University of California Los Angeles
- Wilkinson, Edwin E (1958)
Dean, Student Special Services; Associate Professor, Psychology; M.S., Washington State University
- Willhite, Carol C (1984)
Professor, Nursing; Ph.D., Brigham Young University
- Williamson, Marge (1967)
Associate Professor, Office Occupations; Secretary, Faculty Senate; M.B.(Ed.), University of Idaho
- Willis, Lonnie L (1970)
Professor, English; Ph.D., University of Colorado
- Wilson, Monte D (1969)
Professor, Geology; Ph.D., University of Idaho
- Wilterding, Jim (1976)
Professor, Management; D.B.A., Texas Tech University
- Wines, William A (1984)
Associate Professor, Management; J.D., University of Michigan
- Wise, Lowell C (1983)
Instructor, Nursing; B.S., Boise State University
- Wojtkowski, W Gregory (1982)
Assistant Professor, Information Science, Decision Sciences; Ph.D., Case Western Reserve University
- Wood, Spencer H (1979)
Associate Professor, Geology, Geophysics; Ph.D., California Institute of Technology
- Wyllie, Gilbert A (1955)
Associate Professor, Biology; Ph.D., Purdue University

Y

- Young, Jerry (1964)
Professor, Mathematics; Ed.D., University of Northern Colorado
- Young, Mike (1970)
Head Coach, Mens Wrestling; Assistant Professor, Physical Education; M.A., Brigham Young University
- Young, Virgil M (1967)
Professor, Teacher Education; Ed.D., University of Idaho
- Yunker, Douglas (1976)
Associate Professor, Social Work; Chairperson, Social Work Department; M.A., Indiana University

Z

- Zirinsky, Hendriekje (1984)
Associate Professor, English; Ph.D., University of North Carolina
- Zirinsky, Michael (1973)
Associate Professor, History; Ph.D., University of North Carolina Chapel Hill

Emeriti

Faculty

DOROTHY ALBERTSON, *Professor of Office Administration* (1953-1977)
THELMA F. ALLISON, *Associate Professor of Home Economics* (1946-1973)
JOHN B. BARNES, *President* (1967-1977)
JOHN H. BEST, *Professor of Music*, (1947-1983)
JEAN C. BOYLES, *Assistant Professor, Phys. Ed.* (1949-1957, 1962-1984)
C. GRIFFITH BRATT, *Professor of Music, Composer in Residence* (1946-1976)
WILLIAM S. BRONSON, *Professor of Psychology* (1954-1970)
JAMES R. BUCHANNAN, *Assistant Professor of Welding* (1959-1978)
CLARA P. BURTCH, *Associate Professor of Teacher Education and Library Science* (1969-1978)
WILLIAM J. CARSON, *Associate Professor of Accounting* (1963-1982)
EUGENE B. CHAFFEE, *President* (1932-1967)
ACEL H. CHATBURN, *Professor of Education* (1944-1977)
R. WAYNE CHATTERTON, *Professor of English* (1968-1983)
ROBERT deNEUFVILLE, *Professor of Foreign Language* (1949-1973)
JAMES G. DOSS, *Assistant Dean, College of Business* (1970-1984)
CLISGY T. EDLEFSEN, *Professor of Business* (1939-1969)
J. CALVIN EMERSON, *Associate Professor of Chemistry* (1933-1940, 1960-1973)
EVELYN EVERTS, *Associate Professor, Reference Librarian* (1957-1977)
MARJORIE FAIRCHILD, *Associate Professor of Library Science* (1966-1975)
MILTON FLESHMAN, *Associate Professor of Auto Mechanics* (1959-1974)
ALBERT FUEHRER, *Instructor in Auto Mechanics* (1965-1978)
JOHN F. HAGER, *Associate Professor of Machine Shop* (1954-1969)
CLAYTON W. HAHN, *Associate Professor of Engineering* (1948-1952, 1963-1981)
ALICE H. HATTON, *Registrar* (1959-1974)
KENNETH L. HILL, *Associate Professor of Education* (1962-1970)
HELEN R. JOHNSON, *Associate Professor of Business Education and Office Administration* (1955-1978)
LEO E. JONES, *Professor of Biology* (1972-1981)
DORIS KELLY, *Associate Professor of Nursing* (1958-1977)
NOEL KRIGBAUM, *Assistant Professor of Vocational-Technical Education* (1955-1975)
MAX LAMBORN, *Instructor in Parts Counterman* (1972-1981)
JOHN C. LEIGH, Jr., *Instructor in Drafting* (1971-1983)

RUTH A. MARKS, *Professor of Teacher Education and Library Science* (1970-1982)
ADELAIDE ANDERSON MARSHALL, *Assistant Professor of Music* (1939-1948, 1966-1972)
RUTH McBIRNEY, *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. OBEE, *Professor of Biology* (1946-1977)
CAMILLE B. POWER, *Associate Professor of Spanish & French* (1932-1935, 1946-1951, 1954-1967)
HAZEL MARY ROE, *Associate Professor of Office Administration* (1942-1944, 1947-1969)
FRANK H. SMARTT, *Assistant Professor of Mathematics* (1958-1981)
DONALD D. SMITH, *Professor, Psychology* (1967-1984)
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* (1963-1982)
ALBERT H. TENNYSON, *Instructor of 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. UNDERKOFER, *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)
MONT M. WARNER, *Professor, Geology* (1967-1984)
JOHN E. WARWICK, *Associate Professor of Communication* (1963-1977)
THOMAS M. WILBANKS, *Assistant Professor of English* (1964-1966, 1969-1977)
PETER F. WILSON, *Professor of Business Administration* (1966-1977)
ELLA MAE WINANS, *Associate Professor of Mathematics* (1958-1983)

Professional Staff

HERBERT W. RUNNER, *Director, Institutional Research* (1967-1984)

Classified Staff

MARY COZINE, *Secretary-Office Coordinator* (1972-1984)
LOIS CUMMINS, *Library Assistant III* (1966-1984)
KATHY TIPTON, *Transfer Credit/Graduate Evaluator* (1969-1984)



INDEX

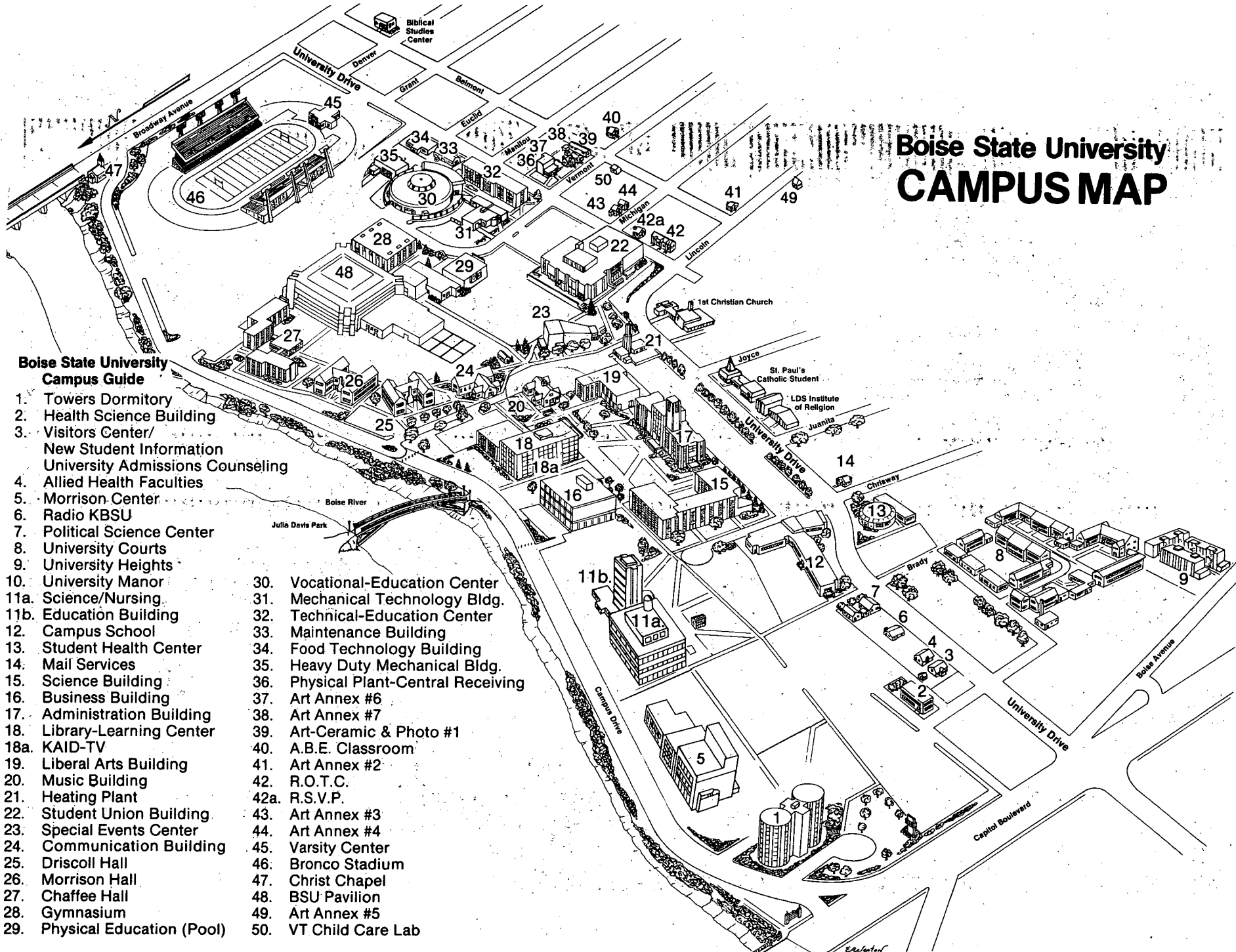
- A**
 Academic Advising 18
 Academic Calendar 2, 3
 Accounting Courses 87
 Accounting Department 86
 Admin Services Courses 96
 Administrative Services - Marketing Department 95
 Admission to Student Teaching 107
 Admission to Teacher Education 107
 Admissions Information 9
 Foreign Students 11
 Graduate 10
 Special Undergraduate 10
 Transfer Students 10
 Vocational-Technical 10
 Admissions, Graduate 139
 Adult Basic Education 36
 Agricultural Equipment Courses 165
 Air Conditioning, Refrigeration, Heating Courses 160
 Alumni Association 30
 Anthropology Courses 79
 Anthropology-Social Science Minor 77
 Anthropology, Sociology, CJA Department 76
 Apprenticeship 169
 Architecture - See Pre-Architecture 41
 Art Courses 41
 Art Department 40
 Associate of Arts Degree Program 26
 Athletics 30
 Auto Body Courses 165
 Auto Mechanics Courses 166
 Aviation Management Courses 94
- B**
 Baccalaureate Degree Programs
 Accounting 87
 Admin Serv - Bus Educ 95
 Administrative Services 95
 Anthropology 77
 Art 40
 Biology 43
 Biology, Secondary Education 43
 Chemistry 46
 Chemistry, Secondary Education Option 46
 Communication 47
 Communication - English Combined 48
 Construction Management 70
 Criminal Justice Administration 77
 Earth Science Education 54
 Economics 88
 Economics, Soc Sci, Sec. Ed. 88
 Elementary
 Bilingual/Multicultural 108
 Engineering 69
 English 50
 Environmental Health 122
- Finance 90
 General Business 93
 Geology 54
 Geophysics 54
 Health Science Studies 123
 History 57
 Information Sciences 90
 Management - Aviation 93
 Management - Behavioral 93
 Management - Industrial Relations 94
 Marketing 95
 Mathematics 60
 Mathematics, Secondary Education Major 60
 Medical Technology 132
 Multi-Ethnic Studies 78
 Music 64
 Nursing 127
 Philosophy 74
 Physical Education 101
 Physical Education, Secondary Education 101
 Physics 69
 Political Science 72
 Pre-Dentistry - Biology Option 130
 Pre-Dentistry - Chemistry Option 131
 Pre-Medicine - Biology Option 130
 Pre-Medicine - Chemistry Option 131
 Pre-Veterinary Medicine 131
 Production Management 91
 Psychology 105
 Psychology, SS, Secondary Education 105
 Quantitative Management 91
 Real Estate
 Respiratory Therapy 136
 Social Science 78
 Social Work 75
 Sociology 78
 Theatre Arts 81
- Baccalaureate Degree Requirements 24-26
 Bilingual Teacher Training Program 36, 108
 Biology Courses 44
 Biology Department 43
 Board and Room Charges 15
 Botany Courses 45
 Business Educ Courses 97
 Business Machine Technology Courses 162
- C**
 Calendar, Academic 2
 Campus In Spain 35
 Canadian Studies 34
 Candidacy 141
 Career Planning and Placement 30
 Certification Requirements and Endorsements for Secondary Education 112
 Certification Requirements for Elementary Education 112
 Challenges 21, 140
- Chemistry Courses 47
 Chemistry Department 45
 Child Care Courses 167
 Child Care Service 31
 Colleges
 Arts and Sciences 39
 Business 85
 Education 99
 Graduate 139
 Health Science 121
 Communication Courses 49
 Communication Department 47
 Community and Environmental Health Department 122
 Computer Science Courses 61
 Construction Management Courses 71
 Construction Management, Physics, Engineering Department 69
 Consultation Services 36
 Correspondence Study 35
 Counseling & Test Center 31
 Counseling & Test Services 99
 Course Load Limits 141
 Course Numbering System 22, 141
 Criminal Justice Administration Courses 80
 Criminal Justice Administration, Sociology, Anthropology Department 76
 Culinary Arts Courses 168
 Cultural Opportunities 30
- D**
 Data Processing Center 36
 Decision Science Courses 91
 Decision/Info Sciences Dept 90
 Degree codes 27
 Dental Assisting Courses 158
 Disabled Students 31
 Drafting Technology Courses 162
- E**
 Economics Courses 89
 Economics Department 88
 Education, Graduate Programs 146
 Educational Media Services 36
 Educational Talent Search 36
 Electrical Lineworker Courses 160
 Electronic Technology Courses 163
 Electronics Service Technology Courses 164
 Emeriti Employees 178
 Engineering Courses 71
 Engineering, Physics, Construction Management Department 69
 English Courses 52, 113
 English Department 50
 English Minor for Theatre Arts 51
 Environmental Health Courses 124
 Environmental Health Department 122
- F**
 Faculty, Name List 171
 Fees and Tuition 11
 Final Examination Requirements 141
 Finance, Info/Decis Sci Dept 90
 Financial Aid 12-14
 Financial Aid for Foreign Students 14
 Financial Aid Programs 13
 Guaranteed Student Loan 13
 NDSL 13
 Non-Resident Waivers 13
 Pell Grants 13
 Scholarships 13
 SEOG, SSIG 13
 Short Term Loans 13
 Student Employment 13
 Work Study (CWSP) 13
 Financial Aid Progression Rate 14
 Financial Aid Time Limits 14
 Foreign Language Courses 115
 Foreign Language Requirements 108
 Forestry Courses 45
 Fraternities 16
 French Courses 115
- G**
 GED Preparation 169
 GED Training 36
 General Business Courses 94
 General Science Courses 37
 Geography Courses 56
 Geology Courses 55, 157
 Geology/Geophysics Department 54
 Geophysics Courses 57
 German Courses 115
 Grad Credit Rqmts 140
 Grad Degree Application 141
 Grad Repeat, Retakes 140
 Graduate Classifications 140
 Graduate Courses for Undergraduate Credit 140
 Graduate Credit for Seniors 140
 Graduate Faculty 139
 Graduate Programs 139
 Graduate Scholarship Requirements 140
 Greek Courses 116
- H**
 Health Occupations Department 158
 Health Science Courses 124
 Health, PE & Recreation Department 100
 Heavy Duty Mechanics—Diesel Courses 166
 Heavy Technologies Department 160
 High School Equivalency 169
 High School Equivalency Program (HEP) 36
 History Courses 58, 153
 History Department 57
 Honors Program 33
 Horticulture 168

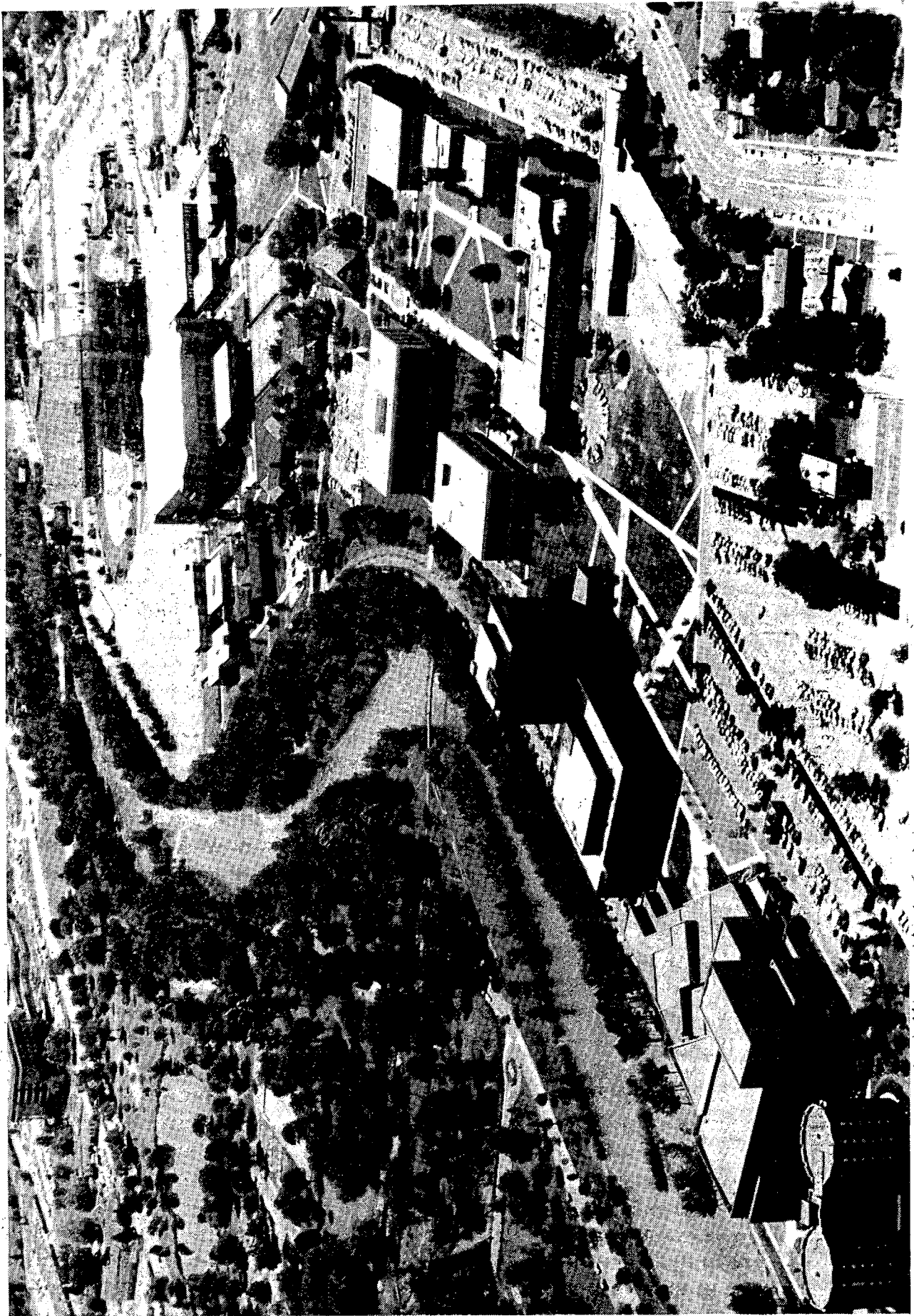
- Housing Applications, Contracts 15
Humanities Courses 53
- I**
Industrial Mechanics Courses 160
Info/Decision Sciences Dept 90
Insurance Coverage 12
Interdisciplinary Courses, 134
International Students 30
- L**
Library Science & Teacher Education Department 106
Library Science Courses 116
Light Technologies Department 162
Linguistics Courses 53
- M**
Machine Shop Courses 161
Majors/Degrees 27
Management Courses 94
Management Department (Academic) 93
Marketing - Administrative Services Department 95
Marketing Courses 97
Marketing-Mid-Mgmt Courses 97
Masters Degree Programs
Business Administration 144
Curriculum and Instruction 146
Early Childhood 146
Graduate Programs, College of Education 146
Masters In Education (MA/MS) 146
Public Administration 142
Reading 147
Special Education 147
Mathematics Courses 61, 153
Mathematics Department 60
MBA Elective Courses 145
MBA Required Courses 145
Mechanical Technologies Department 165
Medical Expense Insurance 33
Medical Records Courses 125
Medical Records Science Department 125
Medical Technology Courses 133
MHAFB Program 35
Military Science Courses 63
Military Science Department 62
Minor Certification Endorsements 112
Multicultural Board 31
Music Applied, courses 66
Music Courses 154
Music Department 63
Music, Ensemble Courses 67
Music, General Courses 67
- N**
National Student Exchange 35
New Student Orientation 29
Non-Baccalaureate Degree Programs
Agricultural Equipment Technology 165
Air Conditioning, Refrigeration, Heating 160
Associate Degree Nursing Program 126
Auto Body 165
Automotive Mechanics 166
Business Machine Technology 162
Child Care Studies 167
Criminal Justice Administration 79
Culinary Arts Program 167
Day Care Assistant/Supervisor 167
Dental Assistant 158
Drafting Technology 162
Electrical Lineworker 160
Electronics Service Technology 164
Electronics Technology 163
Engineering 69
Heavy Duty Mechanics—Diesel 166
Horticulture 168
Industrial Mechanics 160
Machine Shop 161
Marketing - Mid-Management 168
Marketing-Mid-Mgmt 95
Medical Records Science Program 125
Office Occupations 169
Practical Nursing 159
Pre-Architectural 41
Pre-Dental Hygiene 133
Pre-Dietetics 124
Pre-Occupational Therapy 133
Pre-Optometry 133
Pre-Pharmacy 133
Pre-Physical Therapy 134
Psychology Minor 114
Radiologic Technology Program 134
Respiratory Therapy 135
Semiconductor Technology 163
Small Engine Repair 166
Surgical Technology 159
Wastewater Technology 165
Welding 161
Nursing Courses 129
Nursing Department 126
- O**
Office Occupations Courses 169
Other Fees 12
- P**
Philosophy Courses 75
Physical Education Courses 102
Physical Education Department 100
Physical Science Courses 71
Physics Courses 71
Physics, Engineering, Construction Management Department 69
Placement, Educational 107
Planning assistance 36
Political Science Courses 74, 143
Political Science/Philosophy Departments 72
Practical Nursing Courses 159
Pre-Law Curriculum 26
Predictive Examinations 140
Preforestry & Wildlife Management 44
Preprofessional Studies Department 130
Program Development Form 140
Psychology Courses 105, 147
Psychology Department 104
Public Television 37
- R**
R.O.T.C. 35
Radiologic Technology Courses 135
Radiological Sciences Department 134
Reading & Study Skills 31
Reading Education Center 107
Real Estate Courses 90
Recreation 30
Recreation, Health & PE Department 100
Refund Policy 12
Residence Requirements 140
Respiratory Therapy Courses 137
Respiratory Therapy Department 135
Rights & Responsibilities 29
Room and Board Charges 15
ROTC (Army) 35
Russian Courses 116
- S**
Scholarships, ROTC 63
School of Social Sciences & Public Affairs
School of Vocational Technical Education 157
Service Occupations Department 166
Serviceman's Opportunity College 35
Services, Educational 107
Small Engine Repair Courses 166
Social Work Courses 76
Social Work Department 75
Sociology Courses 80, 144
Sociology-Social Science Minor 78
Sociology, Anthropology, CJA Department 76
Sororities 16
Spanish courses 116
Speaker's Bureau 37
Special Education, Elementary 109
Special Education, Secondary 110
Special Workshop Fees 12
Student Government 30
Student Health Service 31
Student Housing 14-16
Student Organizations & Activities 30
Student Services 29-31
Student Teaching Alternatives 112
Studies Abroad 35
Summer Sessions 35
Supervisory Committee Assignment 140
Surgical Technology Courses 159
- T**
Teacher Education & Library Science Department 106
Teacher Education Courses 117, 147
Teacher Education Program Coordination 99
the cold drill 39
Theatre Arts Courses 82
Theatre Arts Department 81
Thesis Requirements 141
Time Limitations 141
Trade Extension 169
Transfer of Credits 140
Tuition and Fees 11
Tutorial Assistance 31
- U**
University Apartments 15
University/Community Health Sciences Association, Inc. 122
Upward Bound Program 36
Use of Facilities 36
- V**
Veterans Services 31
Visiting Scientist Program 36
Vocational Technical School 157
- W**
Wastewater Technology Courses 165
Welding Courses 161
Western Writers Series 36
Wildlife Management & Preforestry 44
- Z**
Zoology Courses 45

Boise State University CAMPUS MAP

Boise State University Campus Guide

- | | |
|--|--------------------------------------|
| 1. Towers Dormitory | 30. Vocational-Education Center |
| 2. Health Science Building | 31. Mechanical Technology Bldg. |
| 3. Visitors Center/
New Student Information
University Admissions Counseling | 32. Technical-Education Center |
| 4. Allied Health Faculties | 33. Maintenance Building |
| 5. Morrison Center | 34. Food Technology Building |
| 6. Radio KBSU | 35. Heavy Duty Mechanical Bldg. |
| 7. Political Science Center | 36. Physical Plant-Central Receiving |
| 8. University Courts | 37. Art Annex #6 |
| 9. University Heights | 38. Art Annex #7 |
| 10. University Manor | 39. Art-Ceramic & Photo #1 |
| 11a. Science/Nursing | 40. A.B.E. Classroom |
| 11b. Education Building | 41. Art Annex #2 |
| 12. Campus School | 42. R.O.T.C. |
| 13. Student Health Center | 42a. R.S.V.P. |
| 14. Mail Services | 43. Art Annex #3 |
| 15. Science Building | 44. Art Annex #4 |
| 16. Business Building | 45. Varsity Center |
| 17. Administration Building | 46. Bronco Stadium |
| 18. Library-Learning Center | 47. Christ Chapel |
| 18a. KAID-TV | 48. BSU Pavilion |
| 19. Liberal Arts Building | 49. Art Annex #5 |
| 20. Music Building | 50. VT Child Care Lab |
| 21. Heating Plant | |
| 22. Student Union Building | |
| 23. Special Events Center | |
| 24. Communication Building | |
| 25. Driscoll Hall | |
| 26. Morrison Hall | |
| 27. Chaffee Hall | |
| 28. Gymnasium | |
| 29. Physical Education (Pool) | |





Notes