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.

Cover photograph by Charles Scheer

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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.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 do they restrict the University to the time block (semester) represented by the approved academic calendar.

Boise State University attempts to respond to the educational needs and wants of any and all students when expressed. Requests for courses to be offered whenever they are desired will be favorably received providing that a minimum of 12 qualified students enroll in the class and a competent faculty member is available to teach the course.
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CONTACTS

ADMISSIONS: Administration Building, Room 101; Telephone (208) 385-1156.

ADMISSIONS COUNSELING: Visitor's Center, University Drive; Telephone (208) 385-1401 or 1-800-632-6586 (from within Idaho); or 1-800-824-7017 (in most western states).

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, Room 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.
**Boise State University Calendar—1986-87**

**Summer Session 1986**

May 23, Friday ........................................... Last day to submit application for summer session to be assured of prepared registration materials.
June 6, Friday ............................................. Registration in Pavilion, 3:00-7:00 p.m. (see Class Schedule for designated times; students may register for all summer sessions at this time).
June 9, Monday ........................................... Last day to file with department for admission to candidacy for Master’s Degree—Departmental Office.
June 20, Friday ........................................... 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, Friday ................................................ Holiday.
July 11, Friday ............................................. First 5-week session ends.
July 14, Monday ........................................... Classes begin for second 5-week session.
August 1, Friday ........................................... End of 8-week session.
August 15, Friday ......................................... End of 10-week and second 5-week sessions.

**Fall Semester 1986**

June 19-21, Thursday-Saturday .................. 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 6, 1986.
July 18, Friday ............................................. Bills will be mailed to students pre-registered for fall semester.
August 8, Friday ........................................... Last day for pre-registered students to complete financial arrangements and pay fees for fall semester.
August 15, Friday ........................................... Last day to submit application for fall semester to be assured of prepared registration materials at the priority registration (August 29). Students submitting applications after this date will be able to register at Open Registration.
August 25, Monday ...................................... Faculty orientation.
August 27, Wednesday ................................. Residence Halls open (noon). Student advising for continuing students (afternoon.)
August 28, Thursday .................................... New Student Orientation Program, 9:00 a.m.—Student Union. Student advising (all day).
August 29, Friday ........................................... Priority and Open Registration in Pavilion (see class schedule for designated times).
September 1, Monday ..................................... Holiday.
September 2, Tuesday ................................. Classes begin.
September 3, Wednesday ................................ Last day for 100% refund for dropping a class or withdrawing from the university.
September 9, Tuesday .................................... Last day to register except by petition (9:00 a.m.-4:00 p.m. and 5:00 p.m.-7:00 p.m.). A fifty dollar ($50) late registration fee applies to all registrations after this date. Last day to add except with consent of instructor and department head. Last day to drop except with consent of instructor.
September 10, Wednesday ............................. Registration by petition only; fifty dollar ($50) late registration fee applies to all late registrations.
September 17, Wednesday ................................ Last day to file with department for admission to candidacy for Master’s Degree—Departmental Office.
October 1, Wednesday ..................................... Last day to file application for graduation for Master’s, Baccalaureate and two-year or less degrees, diplomas, and certificates—Registrar’s Office.
October 3, Friday ........................................... Last day to make class changes or register by petition for first 8-week block courses.
October 5, Sunday ........................................... Advising period for new and reentry students (not enrolled Fall 1986) 1:00-7:00 p.m.—Student Union. To be eligible to participate, a student must submit an application and be accepted no later than October 17, 1986.
October 29-November 4, Wed-Tues ....... Advising period for continuing students (enrolled Fall 1986). Pre-registration period for students who have been advised. Pre-registration materials available in Administration Building, 8:00 a.m. to 7:00 p.m. (Monday-Thursday) and 8:00 a.m. to 5:00 p.m. (Friday).
November 7, Friday ....................................... Last day to make class changes or register by petition for second 8-week block courses.
November 7, Friday ....................................... Last day to drop second 8-week block courses.
November 19, Wednesday .............................. Last day to file Guaranteed Student Loan application and supporting documents for any funds to be disbursed prior to the end of the fall, 1986, semester.
November 22, Saturday .................................. Final day for written exam for Master’s Degree.
November 22, Wednesday ............................... Last day to drop final oral and project/thesis defense.
November 24, Friday ...................................... Last day to make class changes or register by petition for second 8-week block courses.
November 27-30, Thursday-Sunday .............. Thanksgiving Holiday.
December 1, Monday ....................................... Classes resume.
December 12, Friday ...................................... Class schedule and bills will be available for students pre-registered for spring semester Registrar’s Office.
December 15, Monday ..................................... Reading Day: final exam period begins Monday night for night classes. Remaining class schedules and bills for pre-registered students will be mailed.
December 16-20, Tuesday-Saturday ........... Final Semester Examinations.
December 20, Saturday ................................... Residence Halls close (Noon).
December 22, Monday ........................ Grade Reports due to Registrar (9:00 a.m.). Spring Semester, 1987
December 29, Monday .......................... Last day to submit application for spring semester to be assured of prepared registration materials at the Priority Registration (January 14). Students submitting applications after this date will be able to register at Open Registration.

**Spring Semester 1987**

January 5, Monday ............................ Last day for pre-registered students to complete financial arrangements and pay fees for spring semester. Cashier's Office open until 7:00 p.m.
January 12, Monday ............................ Faculty orientation. Residence Halls open (Noon). Student advising for continuing students (afternoon).
January 13, Tuesday ............................ New Student Orientation Program, 9:00 a.m.—Student Union. Student advising (all day).
January 14, Wednesday .......................... Drop/add for pre-registered students—Pavilion 1:00-4:00 p.m. (see Class Schedule for designated times).
January 15, Thursday ........................... Priority and Open Registration—Pavilion (see class schedule for registration times).
January 17, Friday .............................. Classes begin.
January 23, Friday ............................. Last day to register except by petition (9:00 a.m.-4:00 p.m.; no evening registration). A fifty dollar ($50) late registration fee applies to all registrations after this date.
January 26, Monday ............................ Last day to add except with consent of instructor and department head. Last day to drop except with the consent of instructor.
January 30, Friday ............................ Registration by petition only; fifty dollar ($50) late registration fee applies to all late registrations.
January 30, Friday ............................ Last day to file with department for admission to candidacy for Master's 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.
February 2, Monday ............................ Last day for 75% refund for dropping a class or withdrawing from the university.
February 14, Monday ........................... Last day for 50% refund for dropping a class or withdrawing from the university.
February 16, Monday .......................... President's Day (Holiday).
February 20, Friday ............................ Last day to make class changes or register by petition for first 8-week block courses.
March 2, Monday ............................... Last day to file scholarship application to be considered for 1987-88 merit scholarships and need-based scholarships. Recommended date to file CSS Financial Aid Form and supporting documents for best chance of receiving 1987-88 grants, work-study, loans (other than Guaranteed Student Loans), and waivers of non-resident tuition.
March 30, Monday ............................... Second 8-week block begins.
March 23-29, Monday-Sunday ............... Spring vacation.
March 30, Monday ............................... Last day to make class changes or register by petition. Classes resume.
April 1, Wednesday ............................. Last day to file Guaranteed Student Loan application and supporting documents for any funds to be disbursed prior to the end of the spring, 1987, semester. Recommended last date to file for a Pell Grant for the 1986-87 academic year.
April 6-10, Monday-Friday ....................... Advising period for continuing (enrolled Spring 1987) students.
April 10, Friday ................................. College of Business: last day to petition for upper division admission for summer session and fall semester, 1987.
April 11, Saturday .............................. Final day for written exam for Master's Degree.
April 17, Friday ................................. Last day for final oral and project/thesis defense.
April 24, Friday ................................. Last day to make class changes or register by petition for second 8-week block courses.
May 1, Friday ................................... Last day to submit final signed copy of Master's project/thesis with department.
May 8, Friday ................................... Classroom instruction ends.
May 11, Monday ................................. Reading Day; final exam period begins Monday night for night classes.
May 12-16, Tuesday-Saturday ............... Final Semester Examinations.
May 16, Saturday .............................. Residence Halls close (Noon).
May 17, Sunday ................................. Commencement, 2:00 p.m.—Pavilion.
May 18, Monday ................................. Grade reports due to Registrar (9:00 a.m.).

**Summer Session 1987**

May 22, Friday ................................. Last day to submit application for summer session to be assured of prepared registration materials.
June 5, Friday ................................ Registration in Pavilion, 3:00-7:00 p.m. (see class schedule for designated times; students may register for all summer sessions at this time).
June 8, Monday ................................. Classes begin for 8-week, 10-week, and first 5-week sessions.
July 3, Friday ................................. Holiday.
July 10, Friday ................................. First 5-week session ends.
July 13, Monday ................................. Classes begin for second 5-week session.
July 31, Friday ................................. End of 8-week session.
August 14, Friday ............................. End of 10-week and second 5-week sessions.
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. Boise 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. Boise 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.

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 experiences 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.

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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.

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 two schools — Social Sciences and Public Affairs or 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).

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.

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General Information

The junior college was granted four year status and named Boise College in 1965. The school was brought into the state system of higher education in 1969 and renamed 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 fully accredited member of 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 arena and recreation complex, 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 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 minutes 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 at the heart of the campus 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 are 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, 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 in several buildings on campus in order to give students easy access 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.

Two IBM computers serve both administrative and instructional purposes with over 125 terminals in offices and computer laboratories across campus. The HP 3000 is strictly an educational system, used by faculty, staff and students on 30 terminals in Room 206 of the Business Building. Student accounts on both machines are available through instructors or through the Data Center in Room 116 of the Business Building.

There are 22 IBM personal computers, an NCR Tower, two AT&T 3B2 super microcomputers, and a variety of Apple and Commodore computers in Room 418 of the Education Building, with more than 1,200 programs on subjects ranging from English to Economics. The College of Health Science has numerous personal computers for tutoring, clinical test simulation and teaching X-ray position techniques and a complete computer classroom for thirty students.

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 IBM's in Room 106 of the Vocational Technical Building and 15 Apples in various locations around the building.

The College of Business has 40 IBM personal computers in Room 208 of the Business Building for student use.
Admissions, Tuition and Fees, Financial Aid and Student Housing 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 (in most western states)

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-fees student at Boise State University.

NEW FRESHMEN: No credits earned since graduation from high school.

Students wishing to enter as full-fees (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).
3. An official High School transcript showing date of graduation or a GED Certificate showing acceptable test scores.

NOTE: An "official" transcript is one certified by the issuing institution and mailed by that institution directly to the BSU Admissions Office.
4. American College Test (ACT), Scholastic Aptitude Test (SAT), or Washington Pre-College (WPC) test scores.

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

TRANSFER STUDENTS: Prior enrollment at one or more post-high school institutions.

Students entering from other colleges or universities must present proof of honorable dismissal and official transcripts mailed directly to the Dean of Admissions. Students entering from other institutions must comply with the same scholastic regulations as are applied to students currently enrolled at the university. After evaluation of transcripts, students are classified as freshmen, sophomores, juniors, or seniors. 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 the total hour requirement of the specific curriculum was established as the uniform maximum limit effective September 1, 1950.

Transfer students wishing to enter as full-fees (8 or more semester hours) fully matriculated academic students must submit the following prior to the deadline date:

1. A completed application
2. A $10 matriculation fee
3. Evidence of high school graduation or a GED certificate showing acceptable test scores
4. ACT, SAT, WPC test scores or evidence of successful completion of English Composition sequence
5. Official transcripts from all previously attended colleges showing good academic standing.

NOTE: An “official” transcript is one certified by the issuing institution and mailed by that institution directly to the BSU Admissions Office.

A transfer student, whether resident or non-resident, must have a minimum GPA of 2.00 or above on all prior collegiate work completed or have cleared the probationary provision outlined 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 GPA of 2.0.

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 experience 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.

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

NOTE: 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 matriculation requirements. However, students who intend to pursue a degree objective on a part-time basis are required 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
Admissions Information

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:
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

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

5. Asset test.
6. Personal interview
7. $75 advance security registration deposit.

NOTE: The Health programs have additional requirements.

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

Graduate Students

See Graduate College section for specific program information.

1. All students holding a bachelor's or higher degree must submit a graduate application for admission.

2. All graduate students, except the exemptions listed below, must submit official transcripts from each post-high school institution attended directly to the Graduate Admissions Office.

NOTE: An "official" transcript is one certified by the issuing institution and mailed by that institution directly to the BSU 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-fees graduate students who received their undergraduate degree at B.S.U. are exempt from the $10 fee, UNLESS they are pursuing a master's degree.) Students holding a bachelor's or higher degree can be classified as graduate, senior, sophomore or special for fee purposes, financial aid and institutional enrollment reports. Clarification on classification can be obtained from the Graduate Admissions Office.

NOTE: Students pursuing the MPA program will be mailed a data form which should be returned to the address on the form. MBA students will 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, Services CN 6151 Princeton, New Jersey 08541-6151. 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.

Tuition and Fees

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 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

<table>
<thead>
<tr>
<th>Tuition/Fees (1985-86 Costs)</th>
<th>Idaho Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition (per semester)</td>
<td>$ 0.00</td>
<td>$ 950.00</td>
</tr>
<tr>
<td>Institutional fees</td>
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<tr>
<td>(Undergraduate)</td>
<td>529.00</td>
<td>529.00</td>
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<tr>
<td>Institutional fees (Graduate)</td>
<td>696.00</td>
<td>696.00</td>
</tr>
<tr>
<td>Total (Undergraduate)</td>
<td>529.00</td>
<td>1479.00</td>
</tr>
<tr>
<td>Total (Graduate)</td>
<td>696.00</td>
<td>1646.00</td>
</tr>
</tbody>
</table>

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.

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Part-time (Undergrad)</td>
<td>$58.75 per Sem Hr</td>
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<tr>
<td>Part-time (Graduate)</td>
<td>$75.75 per Sem Hr</td>
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<tr>
<td>Summer (Undergrad)</td>
<td>$59.75 per Sem Hr</td>
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<td>Summer (Graduate)</td>
<td>$76.75 per Sem Hr</td>
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<td>Application Processing Fee</td>
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<td>Late Registration Fee</td>
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<td>Late Registration Fee (variable)</td>
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</tr>
<tr>
<td>Duplicate Activity Card</td>
<td></td>
</tr>
<tr>
<td>MUSIC FEES: Music Performance Fee for all private music lessons</td>
<td>$5.00 per semester</td>
</tr>
<tr>
<td>2 credits</td>
<td></td>
</tr>
<tr>
<td>4 credits</td>
<td>$5.00 per semester</td>
</tr>
</tbody>
</table>

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.

To be eligible to apply for financial aid, a student must be a U.S. citizen.
Admissions Information

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)
The FAF is one of two forms that must be completed by students applying for need-based aid, including need-based scholarships. The FAF must be sent directly to the CSS in Berkeley, California. Three to four weeks are required for processing. These forms are available in January.

2. Boise State University Application for Financial Aid
The BSU application is the second form that must be completed by all applicants applying for need-based aid. This form is submitted directly to the Financial Aid Office.

3. Application for Federal Student Aid
The application for Federal Student Aid should be completed by undergraduate students wishing to apply exclusively for a Pell Grant. This form must be mailed directly to Iowa City, Iowa.

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. Need-based scholarship applicants should submit the FAF by February 1.

5. Financial Aid Transfer Record
Students who have attended other post-secondary institutions must submit a financial aid transcript in addition to a grade transcript from all institutions attended. The financial aid transfer record must be submitted whether or not financial aid was received.

To increase the chance of receiving aid, all appropriate forms must be filed by March 1. If all required documents have not been submitted by the March 1 priority deadline, the application will be considered for various types of aid on a first-come, first-served basis if there are remaining funds. Application or Student Aid Reports (SAR) received after July 1 may not 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 may file the single purpose "Application for Federal Student Aid" throughout the current academic year. 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 begins 6 months after graduation or after the student's enrollment drops below 6 credits. 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. Checks are payable directly to the student who is then responsible for paying outstanding debts. CWSP is awarded to selected 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. General scholarship applications should be returned to the Financial Aid Office.

   a. President’s Scholarships and Dean’s Scholarships are available to a limited number of freshman enrolling directly from high school 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, Idaho 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 throughout the year. Repayment begins 6 months after graduation or 6 months after the student has dropped below 6 credit hours. Non-residents should use loan forms appropriate for their state. Students with family incomes over $30,000/year are required to show financial need to be eligible. Photocopies of tax returns may be required to verify income level.

A $15.00 processing fee is required to be paid at Cashier's Office (A 209) before GSL application is turned in for processing.

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.

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 "award letter" must be signed and returned to the Financial Aid Office within 30 days or as indicated. 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.
Part-time Undergraduates = 6-11 credit hours attempted per semester.

NOTE: Undergraduate students who drop below 6 credits are not eligible for financial aid and will be required to repay financial aid funds received.

Full-time Graduates = 9 credit hours per semester
Part-time Graduates = 5 credit hours per semester
NOTE: Graduate students who drop below 5 credits 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. This includes transfer students who are admitted on "probation" and continuing students who are "readmitted" by their deans.

EXCEPTION: Financial Aid will not be withheld for students 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:

<table>
<thead>
<tr>
<th>Bachelor's</th>
<th>Associate</th>
<th>Master's</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEM</td>
<td>Full time</td>
<td>Part time</td>
</tr>
<tr>
<td>1</td>
<td>11</td>
<td>7</td>
</tr>
<tr>
<td>2</td>
<td>22</td>
<td>14</td>
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<td>3</td>
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<tr>
<td>18</td>
<td>128</td>
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</table>

MAXIMUM TIME ALLOWED FOR COMPLETION OF DEGREE/CERTIFICATE OBJECTIVES:

<table>
<thead>
<tr>
<th>Type of Degree/Certificate</th>
<th>Maximum time allowed for completion of degree</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Full-time</td>
</tr>
<tr>
<td>Master's</td>
<td>2 years</td>
</tr>
<tr>
<td>Bachelor's</td>
<td>6 years</td>
</tr>
<tr>
<td>Associate</td>
<td>3 years</td>
</tr>
<tr>
<td>Vo Tech &amp; Certificate Programs</td>
<td>Within normal program length: (E.g., 11 months for an 11-month program)</td>
</tr>
</tbody>
</table>

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. If a student who does not complete the minimum number of credit hours required has the following options:

1. Enroll for the necessary number of credit 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. All fall and spring semesters of 6 or more credits are counted as semesters attended and minimum requirements must be met. Additional credits earned over the minimum can be used to make up delinquencies.

3. Appeal in writing for exemption from this policy. Extenuating circumstances must be clearly documented.

COMPLETE WITHDRAWALS: will not be counted as semesters attended, unless this practice occurs repeatedly.

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 the Satisfactory Academic Progress Policy if the poor academic record occurred at least three years prior to application for financial aid. Other documented extenuating circumstances will also be considered and the Financial Aid Office may grant an exemption for a limited period of 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 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.
### 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 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.

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### Meal Options and 1985-86 Prices

<table>
<thead>
<tr>
<th>Meal Options</th>
<th>Room Choices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Double</strong></td>
<td><strong>Single</strong></td>
</tr>
<tr>
<td>Option 1 (any 10 meals Mon-Fri)</td>
<td>$2075</td>
</tr>
<tr>
<td>Option 2 (any 10 meals Mon-Fri &amp; $137.50 worth of discounted points)</td>
<td>$2151</td>
</tr>
<tr>
<td>Option 3 (any 10 meals Mon-Fri &amp; $287.50 worth of discounted points)</td>
<td>$2228</td>
</tr>
<tr>
<td>Option 4 (any 15 meals Mon-Fri)</td>
<td>$2227</td>
</tr>
<tr>
<td>Option 5 (any 15 meals Mon-Fri &amp; $137.50 worth of discounted points)</td>
<td>$2303</td>
</tr>
<tr>
<td>Option 6 (any 15 meals Mon-Fri &amp; $287.50 worth of discounted points)</td>
<td>$2380</td>
</tr>
</tbody>
</table>

Included in the above room and board costs is a non-refundable $17.00 program fee.

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

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.

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### Board and Room Charges

**NOTE:** 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.

**HALL AND ROOM ASSIGNMENTS:** Halls and rooms are assigned on a priority system, based on date of application and receipt of deposit. 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.

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

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

Applications for room reservations should be made as early as possible. The contract for residence hall accommodations is for room and board for the entire academic year. Applications must be made on the official contract form and be accompanied by an application and security deposit fee of $60.00.

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### University and Residence Hall Regulations:

- All residents are required as part of the housing contract to take their meals in the Student Union dining room.
- Applications for room reservations should be made as early as possible. The contract for residence hall accommodations is for room and board for the entire academic year. Applications must be made on the official contract form and be accompanied by an application and security deposit fee of $60.00.
- Preference in residence hall and room assignments is made on a priority system, based on date of application and receipt of deposit. Returning residence hall students have housing priority over new applicants.
- 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.
- All residents are required to attend orientation meetings and complete the Student Handbook.
- All university rules and regulations are specifically made a part of this contract by reference.
- The university does not assume responsibility for or carry insurance against the loss or damage of individually owned personal property.

### Meal Options and 1985-86 Prices

<table>
<thead>
<tr>
<th>Meal Options</th>
<th>Room Choices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Double</strong></td>
<td><strong>Single</strong></td>
</tr>
<tr>
<td>Option 1 (any 10 meals Mon-Fri)</td>
<td>$2075</td>
</tr>
<tr>
<td>Option 2 (any 10 meals Mon-Fri &amp; $137.50 worth of discounted points)</td>
<td>$2151</td>
</tr>
<tr>
<td>Option 3 (any 10 meals Mon-Fri &amp; $287.50 worth of discounted points)</td>
<td>$2226</td>
</tr>
<tr>
<td>Option 4 (any 15 meals Mon-Fri)</td>
<td>$2227</td>
</tr>
<tr>
<td>Option 5 (any 15 meals Mon-Fri &amp; $137.50 worth of discounted points)</td>
<td>$2303</td>
</tr>
<tr>
<td>Option 6 (any 15 meals Mon-Fri &amp; $287.50 worth of discounted points)</td>
<td>$2380</td>
</tr>
</tbody>
</table>

Included in the above room and board costs is a non-refundable $17.00 program fee.

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

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.

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### 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 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.
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 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, Sigma Phi Epsilon, and Tau Kappa Epsilon—are actively involved at Boise State University. Membership is open to all full-time students.

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

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

Off Campus Student Housing

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

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

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
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.

### Academic Information

#### Advising and Registration

To assist students to plan a program of study, to define their educational and career goals and to clarify values are 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 towards academic life, improve their personal study skills, and work toward 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 students chances of successfully staying in the university and completing their degree in the normal four-year period.

During 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

<table>
<thead>
<tr>
<th>Letter</th>
<th>Description</th>
<th>Quality Points Per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Distinguished Work</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Superior Work</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average Work</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Pass but Unsatisfactory Work</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
<tr>
<td>P</td>
<td>Pass-Credit earned but no quality points</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>0</td>
</tr>
<tr>
<td>AUD</td>
<td>Audit</td>
<td>0</td>
</tr>
<tr>
<td>NR</td>
<td>No Record</td>
<td>0</td>
</tr>
</tbody>
</table>

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 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) 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 repeated only once, but grades shall be permanently recorded. In computing the GPA of a student with repeat courses, only the second grade or 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 any student accumulates 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 “Change in Record and Registration” 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 tenth week of classes, students must secure the consent and signature of the professor and advisor (if enrolled in 8 credit hours or more). Courses dropped within this period will be recorded with a grade of “W.”

All appeals or petitions for an emergency or medical withdrawal from course(s) will be made through the Dean of Student Special Services. Students appealing to drop course(s) after the end of the tenth 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), and 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 tenth 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 and 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 CHANGES: 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 Services Office.

Students who are physically unable to come in to the University 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 the semester.

Student initiated petitions for a complete withdrawal are allowed from the first day to the last day of classes. The process must be started on or before the last day of classes for all grades to be recorded as a “W” (Withdrawal—no credit or quality points earned). The grade of “W” will not be used in the calculation of GPA (Grade point average).

No request for a complete withdrawal will be accepted during the final examination period of any semester. After a student initiated complete withdrawal, no student may petition for registration except for extreme situations verified by the Dean of Student Special Services.

Refunds of registration fees are only prorated over the first four weeks of a semester. Students who leave the university during a semester without officially withdrawing will receive final grades of “F” in all courses. It is not necessary to withdraw from the university after a semester has been successfully completed or between semesters.

RIGHT OF APPEAL: Each student has the right of appeal to the Dean of Student Special Services for an exception to the requirements or an academic regulation because of extenuating circumstances that can be verified.

Extenuating circumstances are defined as those beyond the student’s control and physically prevent the student from completing course requirements.

The Dean of Student Special Services Office will investigate and confirm the verified reason prior to approving any student record change. All other appeals for an exception to an academic policy or regulation should be addressed to the Dean of the College or School of the student’s major.

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 audit basis, but attends only briefly, if at all.
   b. The student is registered for another class with conflicting meeting times.

PROCEDURE: The instructor must send 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 to the Vice-president for Student Affairs at least two weeks prior to the last day to make class changes (see Academic Calendar for exact day). The Vice-President will notify each student of the impending action requesting that the student meet with the instructor. When the two week period is over, the instructor will send an amended version of the original list to the Vice-President indicating which student should be withdrawn. The list must be signed by the appropriate department chairperson.

APPEALS: The Vice-President for Student Affairs strives for accommodation between the student and instructor. Students who disagree with the decision of the instructor and department chairperson may appeal to the Academic Grievance Board.
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.

PROCEDURE: The professor must send a list signed by the department chairperson to the Registrar’s Office no later than two weeks before the last date to make class changes for that semester (refer to academic calendar for exact date). The list must include student name, student number and corresponding course and section number. It is the responsibility of the faculty member and department to notify the student of this action.

APPEALS: Students who disagree with the decision of the faculty member and department chairperson may appeal to the Academic Grievance Board.

ADMINISTRATIVE WITHDRAWALS: A student’s registration may be cancelled after proper notification for delinquent financial accounts (bad checks, library fines, overdue loans, bookstore or housing accounts, etc.); incomplete admissions file (failure to submit transcripts or test scores); falsification of admissions application or other University records; registration without reinstatement from academic dean if academically disqualified; failure to respond to an official summons or exhibiting behavior which constitutes a clear and present danger to one’s self and others (BSU Policy 4102-D).

The Vice President for Student Affairs, Dean of Admissions, Director of Administrative Services or Registrar will notify delinquent students of the pending action by certified mail. If no effort is made to correct the situation within two weeks after notification the request for an administrative withdrawal is sent to the Dean of Student Special Services for final action.

ACADEMIC PROBATION AND DISMISSAL POLICY: A student whose academic work falls below the level indicated in the table below is placed on academic probation. A student who continues on academic probation at the end of the next semester of attendance is subject to dismissal from the university.

<table>
<thead>
<tr>
<th>Hours Attempted</th>
<th>Minimum GPA</th>
<th>Hours Attempted</th>
<th>Minimum GPA</th>
<th>Hours Attempted</th>
<th>Minimum GPA</th>
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<tr>
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<td>1.77</td>
<td>44</td>
<td>1.89</td>
<td>more</td>
<td></td>
</tr>
</tbody>
</table>

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

b. A student on academic probation whose cumulative GPA improves to the acceptable level will be automatically removed from probation.

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

3. Reinstatement
   a. A student dismissed from the university, may be reinstated by 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 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.

b. Normally, a student is reinstated on probationary status. If, however, the student’s GPA meets the minimum requirement, the dean may elect to admit the student in good standing.

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

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.

**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.
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 chair of the department in which the course is offered and the concurrence of the advisor.

ADMISSION TO UPPER DIVISION COURSES: Undergraduate senior students may apply up to a total of two upper-division courses toward the credit requirements for an undergraduate degree. Upper-division 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 Internship (Variable Credits) The internship number is available to academic departments to provide an opportunity for supervised fieldwork 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 or university graduation requirements. Each internship must receive approval from the academic department whose course prefix is being used.

294 Conference or Workshop (6-4 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.

NOTE: 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.

297 Special Topics (1-4 credits)

496 Independent Study (1-4 credits) Individual study of either a reading or project nature. Offered on demand. Must make application to the instructor and department chairman, upper division standing.

497 Special Topics (2-4 credits) PREREQ: Consent of instructor and department chairman.

498 Seminar (1-4 credits)

499 Seminar (1-4 credits)

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 a number from the 580-590 group. Although the topics considered in the courses in any one area may vary from semester to semester, repeated use on any one number implies that the topics continue to be selected from the same area.

590 Practicum

591 Project

592 Colloquium

593 Thesis

594 Extended Conference or Workshop (Graded A through F)

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

597 Special Topics

598 Seminar

599 Short Term Conference or Workshop (Graded Credit or No Credit) Generally the 599 number is used for courses meeting 3 weeks or less and the 594 for courses meeting more than 3 weeks. The decision, however, is made by the department or school offering the course.

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, and 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-Q-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 aspecial 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. Admission is dependent on ACT score.

3. Successful Challenge of E 101 or E 102 by taking the departmentally
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.

### 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 to Humanities
- IH 101 Humanities: A View of Human Nature, I
- IH 102 Humanities: A View of Human Nature, II
- IH 111 Humanities: A View of Human Nature, III
- IH 112 Humanities: A View of Human Nature, IV
- LA 133 Introduction to Music
- PY 101 Introduction to Philosophy
- PY 121 Introduction to Logic
- S 201, 202 Intermediate Spanish
- TA 107 Introduction to Theatre

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

### Area II—Social Sciences

- AN 101 Physical Anthropology
- AN 102 Cultural Anthropology
- AN 103 Introduction to Archeology
- CM 111 Fundamentals of Speech Communication
- CM 112 Reasoned Discourse
- EC 201 Principles of Economics-Macro
- EC 202 Principles of Economics-Micro

**NOTE:** Students who take EC 201 or 202 may NOT receive credit for EC 210.

- CG 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

**NOTE:** HY 201 and 202 are NOT open to students who have taken HY 101 or 102 for credit. HY 151 and 152 are NOT open to students who have taken HY 251 or 252 for credit.

- 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
- TE 201 Foundations of Education

### Area III—Natural Science-Mathematics

- B 100 Concepts of Biology
- BT 130 General Botany
- C 100 Concepts of Chemistry
- C 107 Essentials of Chemistry
- C 108 Laboratory for Essentials of Chemistry

**NOTE:** Concurrent enrollment in the appropriate lecture is required.

- C 109 Essentials of Chemistry

**NOTE:** Students CANNOT receive credit for C 109 if they received credit for C 100.

- C 110 Laboratory for Essentials of Chemistry

**NOTE:** Concurrent enrollment in the appropriate lecture is required.

### 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 in one university catalog. Students are not permitted to combine programs from different catalogs, but may choose to complete the requirements on the basis of the catalog of any year they have been registered providing the said catalog was in effect not more than six (6) academic years prior to graduation.

### Baccalaureate Degrees

**Minimum Graduation Requirements (Credits)**

#### All Baccalaureate Degrees

**General College Requirements (minimum)**

1. Total credit hours for graduation must equal 128. These must include:
   - English Composition: E 101, 102
   - Upper Division credit hours

2. Grade Point Average for all courses taken must equal 2.0 or greater.

**Other College Requirements:**

3. Meet minimum requirements for one of the degrees offered.
4. Meet 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 college 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.

Bachelor of Arts Degree

MINIMUM REQUIREMENTS (CREDITS)

1. General University requirements—3 or 6 credits
   English Composition E 101, 102 ........................................ 3 or 6
   NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
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
4. Area III Requirements
   Natural Science-Mathematics ........................................ 12
   a. A year's sequence chosen from:
      Biological Sciences
      Mathematics
      Physical Sciences
   NOTE: The Physical Sciences include courses in Chemistry, Geology, Physical Science, and Physics.
   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
   NOTE: The Physical Sciences include courses in Chemistry, Geology, Physical Science, and Physics.
   With additional credits from a field other than that chosen to satisfy the sequence requirement.

Bachelor of Science Degree

MINIMUM REQUIREMENTS (CREDITS)

1. General University requirements
   English Composition E 101, 102 ........................................ 3 or 6
   NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
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
   NOTE: The Physical Sciences include courses in Chemistry, Geology, Physical Science, and Physics.
   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 B.S. degree must have an additional 9 credits chosen from courses in any of the following disciplines:
   Anthropology
   Biology
   Chemistry
   Communication
   Economics
   Engineering
   Geography
   Geology
   History

6. Departmental Major
Bachelor of Business Administration Degree
MINIMUM REQUIREMENTS (CREDITS)
1. English
   English Composition E 101, 102 ........................................................................ 3-6
   Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
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
   Total 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
   - Fundamentals of Geology, GO 100
   - Introduction to Descriptive Astronomy, PH 105
5. An additional 16 hours are required in lower or upper division courses outside the College of Business. These additional credits, which are not restricted to the university core courses, must include courses from at least two of the three areas listed below (but shall not include more than three credits in fitness activity courses):
   Area I
   - Literature
   - Art
   - Foreign Language
   - Humanities
   - Music
   - Philosophy
   - Theatre Arts
   Area II
   - Anthropology
   - Communication
   - Geography
   - History
   - Political Science
   - Psychology
   - Social Work
   - Sociology
   - Teacher Education
6. A major in Accounting, Administrative Services, Business Education, Economics, Finance, General Business Management, 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
   NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
2. Area I Requirements
   Arts & Humanities .......................................................... 9
3. Area II Requirements
   Social Sciences ......................................................... 12
   History ........................................................................ 3
   Three credits in a second field ................................... 3
   Three credits in any of the following fields ............ 3
   - Art—AR
   - Humanities—HU
   - Literature
   - Music History—MU
   - Philosophy—PY
   - Theatre Arts—TA
4. Area III Requirements
   Total Area III Requirements ........................................... 12
   Three credits in a second field ................................... 3
   Three credits in any of the following fields ............ 3
   - Anthropology—AN
   - Communication—CM
   - Economics—EC
   - Geography—GG
   - History—HY
   - Political Science—PO
   - Psychology—P
   - Social Work—SW
   - Sociology—SO
   - Teacher Education—TE
5. An additional 16 hours are required in lower or upper division courses outside the College of Business. These additional credits, which are not restricted to the university core courses, must include courses from at least two of the three areas listed below (but shall not include more than three credits in fitness activity courses):
   Area I
   - Literature
   - Art
   - Foreign Language
   - Humanities
   - Music
   - Philosophy
   - Theatre Arts
   Area II
   - Anthropology
   - Communication
   - Geography
   - History
   - Political Science
   - Psychology
   - Social Work
   - Sociology
   - Teacher Education
6. A major in Accounting, Administrative Services, Business Education, Economics, Finance, General Business Management, Computer Information Systems, Management, Marketing, Production Management, Quantitative Management or Real Estate meeting all specific requirements for the major.
   Bachelor of Music Degree
MINIMUM REQUIREMENTS (CREDITS)
1. General University Requirements
   English Composition ........................................... 3-6
   NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
2. Area Requirements
   Arts & Humanities .......................................................... 3
3. Area II Requirements
   Social Sciences ......................................................... 12
   History ........................................................................ 3
   Three credits in a second field ................................... 3
   Three credits in any of the following fields ............ 3
   - Anthropology—AN
   - Communication—CM
   - Economics—EC
   - Geology—GG
   - History—HY
   - Political Science—PO
   - Psychology—P
   - Social Work—SW
   - Sociology—SO
   - Teacher Education—TE
4. Area III Requirements
   Total Area III Requirements ........................................... 12
   Three credits in a second field ................................... 3
   Three credits in any of the following fields ............ 3
   - Anthropology—AN
   - Communication—CM
   - Economics—EC
   - Geography—GG
   - History—HY
   - Political Science—PO
   - Psychology—P
   - Social Work—SW
   - Sociology—SO
   - Teacher Education—TE
5. An additional 16 hours are required in lower or upper division courses outside the College of Business. These additional credits, which are not restricted to the university core courses, must include courses from at least two of the three areas listed below (but shall not include more than three credits in fitness activity courses):
   Area I
   - Literature
   - Art
   - Foreign Language
   - Humanities
   - Music
   - Philosophy
   - Theatre Arts
   Area II
   - Anthropology
   - Communication
   - Geography
   - History
   - Political Science
   - Psychology
   - Social Work
   - Sociology
   - Teacher Education
6. A major in Accounting, Administrative Services, Business Education, Economics, Finance, General Business Management, Computer Information Systems, Management, Marketing, Production Management, Quantitative Management or Real Estate meeting all specific requirements for the major.
Academic Information

Areas of Emphasis:

General University Requirements 64

NOTE: Number of required credits is determined by the electives.

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 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.

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.
      - Course content is determined through a task analysis of the occupation for which training is provided. Local advisory committees may provide additional information.
   b. Technical Support Coursework: 10-14 credit hours or equivalent clock hours.

2. Electives to total sixty-four (64) credits.

Minors

Minors are only available as minor teaching emphases in secondary education option programs.

Pre-law Curriculum

Boise State University does not prescribe a pre-law curriculum; students' plans should be based on their own interests and their 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.

Associate of Arts Degree Program

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101, 102</td>
<td>3 or 6 cr</td>
</tr>
<tr>
<td>Area I including Literature</td>
<td>12 cr</td>
</tr>
<tr>
<td>Area II including History</td>
<td>12 cr</td>
</tr>
<tr>
<td>Area III</td>
<td>8 cr</td>
</tr>
<tr>
<td>Major Requirements</td>
<td>12 cr</td>
</tr>
<tr>
<td>Electives</td>
<td>14 or 17 Cr</td>
</tr>
<tr>
<td></td>
<td>64 Cr</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>Associate of Arts</td>
</tr>
<tr>
<td>AAS</td>
<td>Associate of Applied Science</td>
</tr>
<tr>
<td>AS</td>
<td>Associate of Science</td>
</tr>
<tr>
<td>BA</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>BAS</td>
<td>Bachelor of Applied Science</td>
</tr>
<tr>
<td>BBA</td>
<td>Bachelor of Business Administration</td>
</tr>
<tr>
<td>BFA</td>
<td>Bachelor of Fine Arts</td>
</tr>
<tr>
<td>BM</td>
<td>Bachelor of Music</td>
</tr>
<tr>
<td>BS</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>CC</td>
<td>Certificate of Completion (Vo-Tech)</td>
</tr>
<tr>
<td>DIP</td>
<td>Diploma</td>
</tr>
<tr>
<td>END</td>
<td>Teacher Education Endorsement</td>
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<tr>
<td>MA</td>
<td>Master of Arts</td>
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<td>MBA</td>
<td>Master of Business Administration</td>
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<td>MPA</td>
<td>Master of Public Administration</td>
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<tr>
<td>MS</td>
<td>Master of Science</td>
</tr>
<tr>
<td>TE</td>
<td>Teacher Certification</td>
</tr>
</tbody>
</table>

## Majors and Degree Abbreviations

- Accounting (BBA, BA, BS)
- Administrative Services (BBA, BA, BS)
- Advertising Design (BA, BFA)
- Agricultural Equipment Technician (CC)
- Air Conditioning, Refrigeration and Heating (CC)
- Anthropology (BA)
- Anthropology, Social Science, Secondary Education (BA)
- Art, General (BA, BFA)
- Art, Education (BA, BFA)
- Auto Body (IC)
- Automotive Mechanics (CC)
- Biology (BS)
- Biology, Secondary Education (BS)
- Business Education (BBA, BA, BS)
- Business Administration Option
- Distribution Education Option
- Shorthand Option
- Business Machine Technology (AAS, BAS)
- Chemistry (BS)
- Chemistry, Secondary Education (BS)
- Child Care Studies: Day Care Assistant (CC)
- Child Care Studies: Teacher-Supervisor (AAS, BAS)
- Communication/English Combination (BA)
- Journalism
- Communication
- Communication (BA)
- Interpersonal Communication
- Mass Communication
- Journalism Communication
- Communication, Secondary Education (BA)
- Computer Information Systems (BBA, BA, BS)
- Construction Management (BS)
- Criminal Justice Administration (AS, BA, BS)
- Culinary Arts (AAS)
- Dental Assisting (CC)
- Drafting Technology (AAS, BAS)
- Earth Science Education, Secondary Ed (BA, BS)
- Economics (BBA, BA, BS)
- Economics, Social Science, Secondary Ed (BA, BS)
- Electrical Lineworker (CC)
- Electronics-Semi-Conductor Technology (AAS, BAS)
- Electronics Service Technician (AAS, BAS)
- Electronics Technology (AAS, BAS)
- Elementary Education (BA)
- Early Childhood Education (Certificate)
- Elementary Education-Bilingual Multicultural (BA)
- English (BA/BS)
- General Option
- General Option with emphasis in American Literature
- British Literature
- Linguistics
- World Literature
- Writing
- English, Secondary Education (BA)
- Environmental Health (BS)
- Finance (BBA, BA, BS)
- General, Business Management (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 Education (BA)
- Horticulture Service Technician (AAS, BAS)
- Industrial Mechanics (CC)
- Machine Shop (AAS, Diploma)
- Management (BBA, BA, BS)
- Entrepreneurial Option
- Transportation Option
- Human Resource Management Option
- Marketing (BBA, BA, BS)
- Marketing: Mid-Management (AS, BAS)
- 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)
- Music Business
- Music/Theory/Composition
- Music Education (BM)
- Masters in Education (MA, MS)
- Art
- Business Education
- Earth Science
- English
- History

## Academic Information

- Mathematics
- Music
- Reading
- Special Education
- Early Childhood Curriculum and Instruction
- Nursing (AS, BS)
- Office Occupations (CC)
- Philosophy (BA)
- Physical Education (BS)
- Secondary Education Option
- Non-Teaching Option
- Physics (BS)
- Physics, Secondary Education (BS)
- Political Science (BA, BS)
- Political Philosophy and Public Law
- American Government Systems & Processes
- International Relations
- Public Administration
- Political Science, Social Science, Secondary Education (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 (BS, 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, BS)
- Social Work (BA)
- Sociology, Social Science, Secondary Education (BA)
- Surgical Technology (CC)
- Theatre Arts (BA)
- Theatre Arts, Secondary Education (BA)
- Wastewater Technology (CC)
- Welding (CC)
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 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 enrollment more than acceleration, through Advanced Placement, Summer Reading, and extra courses, the Honors 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, Rotary 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 Rotary Scholarship pays for one year of undergraduate or graduate study in any country with a Rotary Club. 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.

**Honors Courses:**

With approval of the University Curriculum Committee, Honors courses excluding Summer Readings may be applicable to Core. No more than two Honors courses may be from one area.

**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. Pass/Fail 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 a grade of pass.

**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.

**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,* 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.

**IH 101 Humanities: A 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.

**IH 102 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 the humanistic concepts 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 meaningful and 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 IH 101.

Special Topics courses in IH (Interdisciplinary Studies in the Humanities may be approved by the University Curriculum Committee to meet Area 1 core requirements.

**Student Government Courses**

**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.

**Canadian Studies Minor**

The Canadian Studies Minor, consisting of 18 credit hours, of which six are required, is designed to complement any university major. The program is interdisciplinary in its approach and at the same time permits students to pursue their 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)(Alternate even years)** Introductory, interdisciplinary survey, presenting the themes of geography, physical resources, history, political system and Indian Eskimo culture. Faculty from participating departments will span two centuries of Canadian growth, development and attainment of national identity. Open to all students. Required of CN Minors.

**CN 102 Contemporary Canada (3-0-3)(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 discussed. 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**
- **EN 122 Archeology of North America**
- **F 201-02 Intermediate French**
- **F 303-04 Advanced Composition and Conversation**
- **F 328 Lectures avancées de la poesie et de la prose françaises**
- **F 359 Les grandes oeuvres contemporaines (1939 to the present)**

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Academic Enrichment and Special Programs

F 376 La Civilization francaise historique
F 377 La Civilization francaise moderne
CG 397 Geography and Geology of Canada
HY 355 Diplomatic History of the United States
HY 380 United States/Canadian Accord
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.

Advanced Placement and Credit

Questions about Advanced Placement and Credit by Examination and/or Competency should be directed to:

Dean of Admissions
Boise State University
Administration Building—Room 105
1910 University Drive
Boise, Idaho 83725
(208) 385-1177

Many colleges and universities, including Boise State University, accept satisfactory performance on national standardized examinations or locally written examinations and/or evaluation of other training and experiences as an alternative by which a student may satisfy certain general education, specific course, or pre-major requirements. Students generally prepare for such examinations by independent studies, completing advanced high school courses, auditing college courses, completing non-collegiate training sessions, on-the-job training and/or other experiences.

BSU Policy 2305B, July 1, 1984, lists in detail all current non-class attendance avenues available at Boise State University for earning college credit for competency. Summarized below are the most frequently used of those avenues.

Examinations may be repeated to raise scores six months after last taken. Scores received for tests repeated earlier than this will not be evaluated for credit.

College Level Equivalency Program (CLEP)

Two types of examinations are offered through CLEP. These are the General Examinations and the Subject Examinations. The General Examinations are measures of college-level achievement in five general areas and the material covered is comparable to that taught in general education courses at the college freshman level. Currently enrolled Boise State University students can use the CLEP General Examinations to challenge, in effect, all or part of their freshman year and can satisfy a significant portion of their CORE COURSE graduation requirements (See CORE entry in Index for course requirements for graduation).

Minimum acceptable CLEP General Examination scores and BSU hour equivalencies are:

<table>
<thead>
<tr>
<th>General Examinations</th>
<th>BSU Equiv. Course &amp; Number of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH COMPOSITION</td>
<td></td>
</tr>
<tr>
<td>NATURAL SCIENCES</td>
<td></td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td></td>
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<tr>
<td>HUMANITIES</td>
<td></td>
</tr>
<tr>
<td>SOCIAL SCIENCES &amp; HISTORY</td>
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</tbody>
</table>

CLEP SUBJECT EXAMS BY THE CEEB: The CLEP Subject Exams are designed to test achievement in specific college subjects in a variety of areas. A currently enrolled Boise State University student may earn a minimum of two hours of lower division elective credit for any CLEP Subject Exam passed with a score at or above the 50th percentile (national norms) providing that the credit earned does not duplicate college credit earned previously for the same subject material.

Some BSU academic departments will award specific departmental credit in lieu of lower division elective credits for acceptable CLEP Subject Exam scores. These are listed below. Credits awarded for CLEP Subject Exams not listed below will be Lower Division Elective credits. Lower Division Elective credit will count toward graduation requirements, but will not count toward CORE COURSE or MAJOR requirements.

<table>
<thead>
<tr>
<th>CLEP Exam Title</th>
<th>BSU Equiv. Course &amp; Number of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition (50)*</td>
<td>E-101, English Composition (3)</td>
</tr>
<tr>
<td>Freshman English (51)*</td>
<td>E-101, English Composition (3)</td>
</tr>
<tr>
<td>Analysis and Int. of Lit. (51)*</td>
<td>E-102, English Composition (3)</td>
</tr>
<tr>
<td>Biology (49)**</td>
<td>B-100, Concepts of Biology (4)</td>
</tr>
<tr>
<td>General Chemistry (50)</td>
<td>C-107/108, Essentials of Chem (4)</td>
</tr>
<tr>
<td>College Algebra &amp; Trig. (50)</td>
<td>M-111, Algebra and Trig. (5)</td>
</tr>
<tr>
<td>Calculus with Elem. Functions (49)</td>
<td>M-204, Calculus and Anal. Geom. (5)</td>
</tr>
<tr>
<td>Elem. Computer Prog. Fortran IV (51)</td>
<td>C-124, Digital Comp. Prog. (2)</td>
</tr>
<tr>
<td>Introduction to Accounting (50)</td>
<td>AC-205, Intro. to Finan. Acctng +</td>
</tr>
<tr>
<td>Computers &amp; Data Processing (49)**</td>
<td>15-210, Intro. to Info Science (3)</td>
</tr>
<tr>
<td>Intro. Business Management (49)</td>
<td>G-810, Introduction to Bus. (3)</td>
</tr>
<tr>
<td>Introduction Marketing (50)</td>
<td>MK-301, Principles of Marketing (3)</td>
</tr>
<tr>
<td>American Government (50)</td>
<td>PO-101, American National Govt (3)</td>
</tr>
<tr>
<td>Introductory Sociology (50)</td>
<td>SO-101, Introduction to Sociol. (3)</td>
</tr>
<tr>
<td>General Psychology (50)</td>
<td>P-101, General Psychology (3)</td>
</tr>
<tr>
<td>Educational Psychology (49)**</td>
<td>P-325, Educational Psychology (3)</td>
</tr>
<tr>
<td>Western Civilization I (49)</td>
<td>HY-101, History of Western Civ. (3)</td>
</tr>
<tr>
<td>Western Civilization II (49)</td>
<td>HY-102, History of Western Civ. (3)</td>
</tr>
<tr>
<td>American History I (49)</td>
<td>HY-151, U.S. History (3)</td>
</tr>
<tr>
<td>American History II (49)</td>
<td>HY-152, U.S. History (3)</td>
</tr>
<tr>
<td>College French—Level 1 (44)</td>
<td>F-101/102, Elementary French (8)</td>
</tr>
<tr>
<td>College French—Level 2 (45)</td>
<td>F-201/202, Intermediate French (8)</td>
</tr>
<tr>
<td>College German—Level 1 (43)</td>
<td>G-101/102, Elementary German (8)</td>
</tr>
<tr>
<td>College German—Level 2 (55)</td>
<td>G-201/202, Intermediate French (8)</td>
</tr>
<tr>
<td>College Spanish—Level 1 (45)</td>
<td>S-101/102, Elementary Spanish (8)</td>
</tr>
<tr>
<td>College Spanish—Level 2 (55)</td>
<td>S-201/202, Intermediate Spanish (8)</td>
</tr>
</tbody>
</table>

Minimum or equivalent CLEP Subject Exam scores for Area III requirements. It does not fulfill requirements for the Biology Major.

**To receive credit for E-101 or E-102, the student must meet with the English Department Chairman and receive a letter of authorization. This letter must be taken to the Dean of Admissions and processed with the request for credit.

**To receive credit for IS-210, the student must meet with Dr. Emerson Macon (B-308) and receive a letter of authorization. This letter must be taken to the Dean of Admissions and processed with the request for credit.

**To receive credit for P-325, the student must meet with Dr. Ram Singhi (E-305) and receive a letter of authorization. This letter must be taken to the Dean of Admissions and processed with the request for credit.

ADVANCED PLACEMENT (AP) EXAMS BY THE CEEB: Advanced Placement Exams are administered nationally only once a year, in May, primarily at participating high schools. They are the culminating exercise for high school students who, while in high school, enroll in
honors or advanced courses that parallel standard college-level courses. It is not necessary, however, for a student to be formally enrolled in an AP course before taking the AP Exam. Preparation for the exam can be by independent study, home environment influences, and/or travel.

A student may earn a minimum of two hours of college credit for each AP examination passed with a score of 3, 4, or 5. Specific departmental credit will be awarded for most AP exams passed. These are listed below. Credit for AP exams not listed below will be Lower Division Elective credits.

**AP Exam Title**  
**BSU Equivalent Course(s) & Number of Credits**

- American History IV  
  - BSU: HY-151/152, U.S. History (6)

- History of Art  
  - BSU: AR-101/102, Survey of Western Art (6)

- Studio Art  
  - BSU: AR-111/112, Drawing (4) or AR-113/114, Painting (4)

- Biology  
  - BSU: BT-130/130, General Botany & General Zoology (9)

- Computer Science  
  - BSU: CS-125, Pascal Programming (3)

- Chemistry  
  - BSU: C-131-134, College Chemistry (9)

- English (score of 5)  
  - BSU: E-101/102, English Composition (6)

English (score of 3 or 4 & favorable evaluation of essay)  
- BSU: E-101/102, English Composition (6)

European History  
- BSU: HY-102, Western Civilization (3)

French Level 3, Language  
- BSU: F-101/102, Elementary French (6)

French Level 3, Literature  
- BSU: F-201/202, Intermediate French (6)

German Level 3, Language  
- BSU: G-101/102, Elementary German (6)

German Level 3, Literature  
- BSU: G-201/202, Intermediate German (6)

Mathematics, Calculus AB, M-104, Calculus & Analytic Geometry (5)

Mathematics, Calculus BC, M-204, Calculus & Analytic Geometry (9)

Theory of Music  
- BSU: MU-101, Music Fundamentals (2)

Listen/Literature of Music  
- BSU: MU-133, Introduction to Music (3)

General Physics B  
- BSU: PH-101, General Physics (4)

Mechanics of Physics C  
- BSU: PH-220, Physics I, Mechanics (3)

Spanish Level 3, Language  
- BSU: S-101/102, Elementary Spanish (6)

Spanish Level 3, Literature  
- BSU: S-201/202, Intermediate Spanish (6)

*To receive credit for G-202, the student must meet with Dr. George Jocums (LA-213) for a conversation in German and receive a letter of authorization. This letter must be taken to the Dean of Admissions and processed with the request for credit.

**PEP EXAMS BY ACT:** PEP (Proficiency Examination Program) exams are very similar to the CLEP Subject Exams in that they are designed to test achievement in specific college subjects. They are developed and distributed by the American College Testing Company, a competitor to the College Board (CEEB).

A currently enrolled Boise State University student may earn a minimum of three hours of lower division elective credit for each PEP exam passed with a score of 50 or above, or a grade of A,B,C or PASS. Some BSU departments will award specific departmental credit for acceptable PEP Exam scores. These are listed below. Credit award for PEP exams not listed below will be Lower Division Elective credits. For a complete listing of available PEP and/or CLEP Subject Exams, contact the BSU Dean of Admissions Office.

**PEP Exams**  
**BSU Equivalent Course(s) & Number of Credits**

Microbiology (50)  
- BSU: B-205, Microbiology (4)

Abnormal Psychology (50)  
- BSU: P-301, Abnormal Psychology (3)

Statistics (50)  
- BSU: P-305, Statistical Methods (3)

**OTHER STANDARDIZED TESTS:** USAFI—For many years the United States Armed Forces Institute (USAFI) operated as an educational agency providing support to the voluntary education programs of all military services. A large number of college-level courses and end-of-course examinations were developed and standardized. These courses and examinations have been periodically reviewed and evaluated by the American Council on Education and credit recommendation formulated.

BSU will award general elective lower division credit for each USAFI exam passed at the 90th percentile or higher. To receive credit for a USAFI course, it must be listed in the ACE recommendation guide. The amount of credit awarded will be the amount of credit recommended by the ACE.

DANTES—DANTES was created in May 1974, after the USAFI program terminated. The examinations offered through the DANTES Examina-

**Evaluation of Military Experience**

**COMPLETION OF TECHNICAL SCHOOLS:** Currently enrolled Boise State University students who have successfully completed certain military programs and/or technical schools are eligible to petition to receive academic credit. Students must furnish a copy of their DD214, or similar official documents to the BSU Registrar's Office (Evaluator's Office) and request receipt of credit. The Evaluator (Registrar's Office) will identify those military experiences that meet the ACE specifications (courses listed in the 1982 or earlier, or subsequent GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES published by the American Council on Education). BSU will follow the ACE recommendations and will grant as elective credit the number of hours recommended unless the student requests specific departmental course credit. In that event, department chairmen will decide the amount of academic credit to be granted in their specific areas.

**MOS:** Persons who have completed a military technical school and who have also earned an Army MOS, can request the recommended credit for completion of the technical school or the credit recommended for
the MOS, but not both. Persons requesting credit for the MOS after August 1983, must show that they also have a SQT of 60 or higher for that MOS.

MILITARY SCIENCE: Currently enrolled Boise State University students who have successfully completed two or more years active military service (any branch) are eligible to request evaluation by the Military Science Department. In general, prior enlisted personnel are eligible to request 6 semester hours credit in Military Sciences and former commissioned officers are eligible to request 18 semester hours credit in Military Science. All requests for evaluation should be made to the Department Chairman, Military Science Department, Boise State University.

NCO SCHOOL: Currently enrolled Boise State University students who successfully complete the USAF Certified Command NCO Leadership School, Phase III, at MHAFB or elsewhere, or a comparable NCO Leadership School for the other branches of military service, can request lower division elective credit for that experience. To receive consideration, students must provide a copy of their DD214, DD295, DA1059, or similar documentation that shows successfully completion of the program to the BSU Registrar's Office (Evaluator's Office) and request receipt of credit.

BASIC OR RECRUIT TRAINING: Currently enrolled students who have completed basic or recruit military training are eligible to receive 4 semester hours credit in Fitness Activities (FA). No more than eight semester hours total of Fitness Activity credit can be counted toward graduation requirements, however, it is the student's responsibility to furnish the BSU Registrar's Office (Evaluator's Office) a copy of the official DD295 or DD214 and to request receipt of credit.

Credit for Competency (Other)

COURSE 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 not 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 chairman, may take designated courses without having completed the listed prerequisite(s). Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) may be given credit for the prerequisite course(s) with a grade of "P". To qualify, students must initiate the application in consultation with their advisor only after the final grade for the advanced course is officially recorded. Department chairmen and deans will determine which course(s) can qualify for this credit. An examination covering the content of the prerequisite course(s) may be required.

Other Opportunities

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, Glenns 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 bachelor's 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 and credit program is available to military personnel, their dependents and members of the community.

Independently Sponsored Programs

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, Boise State University for further information.

STUDIES ABROAD PROGRAMS: The Office of Study 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 (NICSAL), a consortium of universities that since 1968 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 Sebastian, Spain. This program offers the full range of courses including the Advanced Course and Study 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 Study Abroad.

NATIONAL STUDENT EXCHANGE PROGRAM: The National Student Exchange (NSE) Program is open to any 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 awareness provides the 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 Study Abroad.

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, Boise State University for further information.

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 a $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 School of Social Sciences and Public Affairs 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 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 (AAJC).

Boise State University endorses the Servicemember’s Opportunity College With the following qualifications:

1. Entrance into this program by a servicemember will be through a signed agreement between the student and the university, specifying responsibilities of both the student and the university.
2. The agreement shall terminate six years from date of approval or six months after servicemember’s separation from active duty, whichever comes first.
3. The agreement (and thus the SOC Program) will be made available only to those servicemembers who have successfully completed (with a GPA of 2.25 or above) fifteen (15) or more hours of college credit through B.S.U.
4. Residency requirements other than the initial 15 hours 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 E-428 of the Education 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 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 services to the university and to encourage the use of data processing procedures throughout the university.

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

Tours of facilities, equipment demonstrations, and in-service lectures about data processing are available 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
- Theatre Productions
- Opera Workshop
- Choirs
Traveling Art Exhibits  
Concerts and Recitals  
Faculty Lecture Series  
Forums of Particular Arts  
BSU Community Symphony Orchestra  
Demonstrations in various fields of study  
Programs of outstanding artists and lecturers  

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 SMALL 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 & Sciences
   a. Mathematics internships or cooperative education with government departments, corporations and education
   b. Biology internship/cooperative education with state and federal agencies research laboratories and educational institutions
   c. English internships or cooperative education in writing laboratory and developmental writing programs on campus
   d. Construction Management internships or cooperative education with local contractors

2. School of Social Sciences and Public Affairs
   a. Social Work internships or cooperative education with various government agencies
   b. Canadian Studies internships with corporations and governmental agencies
   c. Communication internships and cooperative education with many corporations, nonprofit organizations, television and radio stations, government offices, and business enterprises
   d. History internships with businesses, associations, and federal, state, and local agencies
   e. Military Science internship and cooperative education with various military units (Treasure Valley) working toward excellence in Army Officership
   f. Political Science internships or cooperative education with the Idaho Legislature

3. 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.

4. College of Education
   a. Elementary, secondary, and physical education student teaching.
   b. Psychology internships or cooperative education.
   c. Athletic training and coaching internships.

5. 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

6. School of Vocational Technical Education
   a. Internships and cooperative education between Vocational Technical Education programs and industry.
Women in the Curriculum

The purpose of the Women in the Curriculum enrichment program is three-fold: to assure that students are able to recognize the contributions and significance of women's activities to our culture; to provide students with an enhanced awareness of the major changes in roles and responsibilities of individuals and institutions that have occurred in recent years; and to help students explore the implications these changes may hold for their own lives and future.

The BSU curriculum is beginning to incorporate the new perspectives achieved about women, about their significance to society, and about how views of them have limited the selection of scholarly sources and research strategies in the past. The courses in this program utilize materials and methods which will further an awareness of the importance of women's many roles, and encourage students of both sexes to expand their horizons beyond those of gender based stereotypes.

Faculty and staff in many departments at Boise State have been exploring the new scholarship and integrating women's issues into their disciplines, resulting in several popular courses. A list of women's studies and gender-balanced courses is located in a special section of each semester's class schedule. Students have joined faculty and staff in new scholarly research on women's roles and activities. Examples of this exciting work include Women in Management, Contemporary Women Artists, and Sex Roles and Authoritarianism.

Many of these faculty, staff and students share their expertise with the larger community through serving on the boards and committees of community service organizations. Information is also shared through publications, speeches, appearances and interviews with the media, and the loan of library materials.

The BSU Library is building a microfilm collection which reflects and furthers the interests of women. In addition, the Library's Special Collections include papers from Idaho women and women's groups. Faculty are assisting in the selection of materials to balance this collection in different disciplines and to ensure that students will have access to these materials for research projects and term papers as well as for personal enrichment.

Taken together, the people and materials of The Women in the Curriculum Project comprise a valuable community resource.
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, financial aid, career planning, special services, residential programs and facilities, health services, and Student Union activities.

NEW STUDENT ORIENTATION: The Office of Admissions Counseling/Visitors Center, located at 2065 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 the "Discover BSU" program.

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

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 second year or upper division students who have completed and earned at least a "B" grade in the course they tutor. They are 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 notetaking, speed-reading, textbook study methods, vocabulary development, and test taking. The course teaches a student survival in the college classroom and in many cases is the difference between success and struggle in the university environment.

COUNSELING AND TESTING CENTER: The Counseling and Testing Center offers a wide range of services directed toward students, faculty and staff at no charge. However students must be currently enrolled for a minimum of 6 credit hours. The staff offers these services in a wide variety of forms ranging from individual counseling and crisis intervention to promoting programs aimed at enhancing the overall learning environment at Boise State University.

The primary purpose is to help students become more effective in dealing with concerns that influence their pursuit of personal and academic goals. This includes helping students solve specific educational problems as well as developing the social and personal skills necessary to
Student Services

gain the most from their experience at BSU.

Typical concerns that the Center frequently assists students in resolving include: interpersonal conflicts, test anxiety, stress related problems, depression, marital and pre-marital difficulties, social skill deficits, value clarification, loneliness, academic and career decision making, life style planning, and personal social-emotional adjustment problems.

There are a variety of standardized tests available to complement the counseling process. The Center is also responsible for the administration of such nationwide testing programs as the CLEP, LSAT, GRE, GMAT, MAT, and others.

Appointments can be made by calling 385-1601 between 8 a.m. and 4:30 p.m., Monday through Friday, or by coming to the Center on the sixth floor of the Education Building. Interviews are generally scheduled for 30-60 minutes. Referrals from faculty, residence advisors and others are welcomed by the staff.

DISABLED STUDENT PROGRAM: The university has made special efforts to provide facilities, services, and program accessibility to physically disabled or handicapped students and staff. All 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 on notetaker services as well as tutorial assistance and liaison with the Boise area office of the Idaho Vocational Rehabilitation Service. The office has limited equipment available for use by disabled students such as a TTY (208) 385-1454, portable wheelchair, tape recorders, crutches, modified computer terminals, and electric typewriters for testing. The Library has a talking calculator, Visualtek, Braille typewriter, Braille dictionary and a Talking Books tape player. 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 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 (3-6) children of full-time students first, then part-time students. Care of children 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.

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.

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 as arrival is possible. This office provides assistance and a central contact and information source to registered foreign students. The International Student Organization provides opportunities for American and foreign students to meet, exchange views, and become better acquainted.

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, and other career references;
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 educational, 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 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 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.

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 shows of both nationally 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; with credit 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.

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.
College of Arts and Sciences

Acting Dean: Monte D. Wilson, Ph. D.
Associate Dean: Margaret Peek, Ph. D.

College of Arts & Sciences Emeriti:

Philosophy

The philosophy of the college is to provide students with quality academic programs in the Arts, Humanities, and 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, Music, and Theatre Arts;
   - Humanities—English and Philosophy; and
   - Sciences—Biology, Chemistry, Construction Management (with the College of Business), Earth Science, Geology, Geophysics, 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, pre-Forestry and Wildlife Management, and pre-Architecture.

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.

Students can participate in many activities sponsored by the departments in the College, including art exhibits (Art), 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.
# College of Arts and Sciences

## Department of Art

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

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

### Degrees Offered
- BA and BFA in Art Advertising Design
- BA and BFA in Art Education
- BA and BFA in General Art
- Pre-Architecture

### Degree Requirements

#### ART MAJOR

#### Bachelor of Arts Program

**General University & Basic Core Requirements**

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<tr>
<th>Credits</th>
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<td>51</td>
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**Art Major Requirements**

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<th>Course</th>
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<tbody>
<tr>
<td>Painting and-or Watercolor AR 113, 114, 217, 218</td>
<td>6</td>
</tr>
<tr>
<td>Drawing AR 111, 112</td>
<td>6</td>
</tr>
<tr>
<td>Art History</td>
<td>9</td>
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<tr>
<td>Design AR 105, 106</td>
<td>6</td>
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<tr>
<td>Ceramics AR 225</td>
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<tr>
<td>Sculpture AR 231</td>
<td>2</td>
</tr>
<tr>
<td>Printmaking AR 209</td>
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</tr>
<tr>
<td>Art Metals AR 221</td>
<td>2</td>
</tr>
<tr>
<td>Senior Seminar AR 498</td>
<td>3</td>
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**Total**

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**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**

<table>
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<tr>
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**TOTAL**

<table>
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#### Art Education-Bachelor of Arts Program

**General University & Basic Core Requirements**

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<tr>
<th>Credits</th>
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</table>

**Art Major Requirements**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Painting</td>
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<td>Watercolor</td>
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<td>Drawing</td>
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<td>Art History</td>
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<tr>
<td>Ceramics</td>
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<td>Sculpture</td>
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<tr>
<td>Printmaking</td>
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<tr>
<td>Art Metals</td>
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<tr>
<td>Senior Seminar</td>
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**Total**

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

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Educating Exceptional Secondary Student TE 333</td>
<td>1</td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td>Reading in Content Subject TE 307</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Methods TE 381</td>
<td>3</td>
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<tr>
<td>Educational Psychology P 325</td>
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**Art Methods in Secondary Schools AR 351**

<table>
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**Secondary School Art Methods AR 321**

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**Secondary Student Teaching**

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<tr>
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<tbody>
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**Design**

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**Lettering-Lettering & Layout**

<table>
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<tr>
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<tr>
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**Art History**

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<tr>
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**Printmaking**

<table>
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<tr>
<th>Credits</th>
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<td>2</td>
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**Creative Photography**

<table>
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<tr>
<th>Credits</th>
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**Senior Seminar**

<table>
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<tr>
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**TOTAL**

<table>
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<tr>
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<td>33</td>
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**Electives**

<table>
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<tr>
<th>Credits</th>
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<td>1-9</td>
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**TOTAL**

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>128</td>
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</table>

**Art-Advertising Design-Bachelor of Arts Program**

**General University & Basic Core Requirements**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>51</td>
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**Art Major Requirements**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Advertising Design</td>
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<td>Watercolor and-or Painting</td>
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<td>Advertising Illustration</td>
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<tr>
<td>Design</td>
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</tr>
<tr>
<td>Lettering-Lettering &amp; Layout</td>
<td>4</td>
</tr>
<tr>
<td>Art History</td>
<td>6</td>
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<tr>
<td>Printmaking</td>
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<tr>
<td>Senior Seminar</td>
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**Electives**

<table>
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**TOTAL**

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<tbody>
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</table>

**Art Education-Bachelor of Fine Arts Program**

**General Art-Bachelor of Fine Arts Degree**

**General University & Core Requirements**

<table>
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**Art Major Requirements**

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<td>Ceramics</td>
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**Total**

<table>
<thead>
<tr>
<th>Credits</th>
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<td>65</td>
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</table>

**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.

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

#### ART MAJOR

**Bachelor of Fine Arts Program**

**General University & Basic Core Requirements**

<table>
<thead>
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**Art Major Requirements**

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<td>Sculpture</td>
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**Total**

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**Electives**

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**TOTAL**

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**Art Education-Bachelor of Fine Arts**

**General University & Core Requirements**

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**Art Major Requirements**

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<td>Sculpture</td>
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**Total**

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**Electives**

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**TOTAL**

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<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>128*</td>
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* 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 Methods in Secondary Schools AR 351**

<table>
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**Secondary School Art Methods AR 321**

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**Secondary Student Teaching**

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**Design**

<table>
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**Lettering-Lettering & Layout**

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**Art History**

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**Printmaking**

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**Creative Photography**

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<tr>
<th>Credits</th>
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**Senior Seminar**

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**Electives**

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**TOTAL**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>128*</td>
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College of Arts and Sciences

Crafts ......................................................... 2
Lettering .................................................... 2
Senior Seminar ............................................... 3

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
Educational Psychology .............................................. 3
Art Methods in Secondary Schools ................................. 3
Elementary School Art Methods ................................... 3
Secondary School Teaching .......................................... 8-16

Electives
Credits ......................................................... 13-21

TOTAL 128*

Art-Advertising Design—Bachelor of Fine Arts Degree Advertising Design Emphasis
General University & Core Requirements
Credits ......................................................... 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 ..................................................... 3
Advertising Illustration ......................................... 6
Senior Seminar .................................................. 3

Electives
Professional Electives ............................................ 27

TOTAL 128*

Recommended Program
ART MAJOR
Freshman Year—All Degrees

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>Basic Design AR 105-106</td>
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<tr>
<td>Elementary Drawing AR 111-112</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Elementary Painting AR 113-114</td>
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<tr>
<td>Art History AR 101-102</td>
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<tr>
<td>Lettering AR 107*</td>
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<tr>
<td>Lettering and Layout AR 106*</td>
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<td>2</td>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>History (Area II)</td>
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<tr>
<td>Electives</td>
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</table>

* Not required in general Art degree

Pre-Architectural Program

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

ART COURSES
Introduction to Art AR 103 OR

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2)</td>
<td>(F/S)</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>AR 101 SURVEY OF WESTERN ART (3:0-3)</td>
<td>(Area I)</td>
</tr>
<tr>
<td>A historical survey of Painting, Sculpture, and Architecture from Prehistoric Art through the Middle Ages.</td>
<td></td>
</tr>
<tr>
<td>AR 102 SURVEY OF WESTERN ART II (3:0-3)</td>
<td>(Area I)</td>
</tr>
<tr>
<td>A historical survey of Painting, Sculpture, and Architecture from the Renaissance to the present.</td>
<td></td>
</tr>
<tr>
<td>AR 103 INTRODUCTION TO ART (3:0-3)</td>
<td>(Area I)</td>
</tr>
<tr>
<td>A one-semester course to acquaint the general college student with the aesthetics of Painting, Sculpture, Architecture, and related Art forms.</td>
<td></td>
</tr>
<tr>
<td>AR 105 BASIC DESIGN (2-2-3)</td>
<td>(Area I)</td>
</tr>
<tr>
<td>A two dimensional theoretical and applied study of the basic design elements underlying all Art areas.</td>
<td></td>
</tr>
<tr>
<td>AR 106 BASIC DESIGN (2-2-3)</td>
<td>(Area I)</td>
</tr>
<tr>
<td>A continued exploration of either two or three dimensional design elements. Emphasis on the theoretical and applied study of the structural organization underlying two or three dimensional art forms. PREREQ: AR 105 or PERM/INST.</td>
<td></td>
</tr>
<tr>
<td>AR 107 LETTERING (0-4-2)</td>
<td>(F/S)</td>
</tr>
<tr>
<td>A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout.</td>
<td></td>
</tr>
<tr>
<td>AR 108 LETTERING AND LAYOUT (0-4-2)</td>
<td>(F/S)</td>
</tr>
<tr>
<td>A study of layout typography and lettering techniques used in advertising design, for advertising design majors.</td>
<td></td>
</tr>
<tr>
<td>AR 111 DRAWING (0-4-2)</td>
<td>(F/S)</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>AR 112 DRAWING (0-4-2)</td>
<td>(F/S)</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>AR 113 PAINTING (0-4-2)</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>AR 114 PAINTING (0-4-2)</td>
<td>(F/S)</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>AR 115 LANDSCAPE PAINTING</td>
<td>(0-6-3)</td>
</tr>
<tr>
<td>Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. First summer session.</td>
<td></td>
</tr>
</tbody>
</table>
AR 116 LANDSCAPE PAINTING (0-6-3(SU)). (Description same as AR 115 on previous page.) 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)). Aim in understanding and appropriate use of public school classroom will be introduced. Simple crafts, leather work, mosaics, etc. Skills, etc.

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. Admissible 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 106 AR 203 or PERM/INST.

AR 209 INTRODUCTION TO PRINTMAKING (0-4-2(F)). 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)). 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)). 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)). 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 an 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 materials 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 235 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(F/S)). Study of photographic, the techniques 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 art 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)). 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 (0-6-3(F)). Advanced exploration of two-dimensional and 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 METALSMAKING (0-6-3(F)). Advanced study in materials of jewelry making and metalsmithing with special emphasis on forging, stoneworking, 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)). Introduction to color printing and advanced printmaking in any of the following specialized areas, each of which
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). 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). 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 (2-3-3)(F/S). For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed.

AR 325 STUDIO IN CERAMICS (0-6-3)(F). 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). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting techniques. Advisable to take AR 231 and 232 prior to AR 331. May be repeated once for credit.

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

AR 344 STUDIO IN CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-3-3)(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 (2-3-3)(F). 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 (2-3-3)(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). Art education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum, planning.

AR 361 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3)(F). Advanced study emphasizing techniques and methodology of illustrating finished 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 409 STUDIO IN PRINTMAKING (0-6-3)(F). Individual problems in any of the following areas: woodcut, lithography, intaglio, and serigraphy. May be repeated for credit. PREREQ: AR 309.

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

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

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

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

AR 425 STUDIO IN CERAMICS (0-6-3)(F). Continued study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting techniques. Advisable to take AR 325 prior to AR 425. Individual instruction will be given. May be repeated for credit.

AR 431 STUDIO IN SCULPTURE (0-6-3)(F). Continued study in the materials 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)(F). Individual problems in black and white photography. Advisable to take AR 251 and AR 341. May be repeated for credit.

AR 496 SENIOR SEMINARS (3-0-3)(F). 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, Cant, Fritchman, Fuller, McCloskey, Papenfuss, Wicklow-Howard

Degrees Offered
- BS in Biology
- BS in Biology, Secondary Education
- Pre-Forestry and Wildlife Management

Degree Requirements

BIOLOGY MAJOR
Bachelor of Science Option

1. General University and Baccalaureate Degree requirements
   Credits ................................................................. 30

2. Major Requirements
   Biology ................................................................. 45
   - Biology Core .................................................. 20
   - General Botany BT 131 ...................................... 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
   - Physiology—one course .................................... 4
   - Plant Physiology BT 401 ..................................... 5
   - Human Physiology Z 401 .................................... 5
   - General & Comparative Physiology Z 409 ............... 4
   - Morphology—one course .................................... 4
   - Plant Anatomy BT 302 ....................................... 5
   - Plant Morphology BT 311 ................................... 5
   - Comparative Vertebrate Anatomy Z 301 ................. 5
   - Vertebrate Embryology Z 351 ............................... 5
   - Vertebrate Histology Z 400 .................................. 5
   - Biology Electives to total 45 credits* .................. 17
   - Chemistry .......................................................... 14
   - College Chemistry C 131-134 .............................. 5
   - Organic Chemistry C 317, 319 ............................. 5
   - Mathematics ...................................................... 9
   - Algebra and Trigonometry M 111 ......................... 5
   - Four or more credits chosen from the following: ... 4
     - Applied Statistics with the Computer M 120 ......... 4
     - A First Course in Programming CS 122 .......... 4
     - Introduction to Computer Science CS 127 ...... 4
     - Calculus and Analytic Geometry M 204 ........ 4
     - Digital Computer Programming EN 104 (or CS 124) 4
   - Recommended Electives .................................... 30
   - Area I & II Electives ....................................... 30
   - Biochemistry C 431 ........................................... 5

   TOTAL CREDITS: 55
College of Arts and Sciences

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.

**BIOLOGY MAJOR SECONDARY EDUCATION OPTION Bachelor of Science**

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<td>English Composition E 101-102</td>
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<td>General Botany BT 130</td>
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<td>General Zoology Z 130</td>
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<td>Biology Electives</td>
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<td>Other Electives</td>
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**JUNIOR YEAR**

| Electives (Area I, II) | 3 |
| Biology Electives | 8 |
| Other Electives | 14 |

**SENIOR YEAR**

| Biology Seminar B 498 | 1 |
| Biology Electives | 8 |
| Other Electives | 16 |

**BIOLOGY MAJOR SECONDARY EDUCATION OPTION Bachelor of Science**

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**SOPHOMORE YEAR**

| Organic Chemistry C 317, 319 | 5 |
| Microbiology B 205 | 4 |
| Cell Biology B 301 | 4 |
| Foundations of Education TE 201 | 3 |
| General Psychology P 101 | 3 |
| Electives (Area I) | 3 |
| Electives (Area II) | 3 |
| Other Electives | 3 |

**JUNIOR YEAR**

| Educational Psychology P 325 | 3 |
| Secondary School Methods TE 381 | 3 |
| Secondary School Science Methods TE 384 | 3 |
| Electives (Area I) | 6 |
| Genetics B 343, 344 | 4 |
| Biology Electives | 4 |
| Other Electives | 15 |

**SENIOR YEAR**

| Biology Seminar | 1 |
| Electives | 4-8 |
| Education Courses | 4-8-16 |
| Other Electives | 3 |

**PRE-FORESTRY AND WILDLIFE MANAGEMENT**

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

**FRESHMAN YEAR**

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

**SOPHOMORE YEAR**

| General Physics PH 101, 102 | 4 |
| General Forestry FS 101 | 4 |
| Systematic Botany BT 305 | 4 |
| Fundamentals of Speech CM 111 | 3 |
| Basic Surveying EN 215 | 3 |
| Digital Computer Programming EN 104 | 2 |
| Principles of Economics EC 201-202 | 3 |
| Physical Education | 1 |

**Course Offerings**

**B BIOLOGY Lower Division**

**Recommended Program**

**BIOLOGY MAJOR Bachelor of Science Degree**

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<td>Mathematics</td>
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| SOPHOMORE YEAR |         |
| Organic Chemistry C 317, 319 | 5 |
| Cell Biology B 301 | 3 |
| Electives (Area I) | 6 |
| Electives (Area II) | 3 |
| Other Electives | 14 |

College of Arts and Sciences
B 100 CONCEPTS OF BIOLOGY (3-2-4)(F/S) (Area III). Basic course for nonmajors. General biological principles and how they relate to man. Brief survey of plant and animal diversity. Emphasis areas include populations, pollution, ecology, genetics, and evolution.

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 (2-4-4)(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 334 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)(F). A survey of the physical factors of the environment and their effect on the mode on life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. 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 fleshly fungi with emphasis on collecting and identifying species of Idaho mushrooms. Edible and poisonous species will be discussed. Weekend field trips arranged.

BT 130 GENERAL BOTANY (3-3-4)(F/S) (Area III). An 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 303 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. Included 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


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.


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 (2-4-4)(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 (2-4-4)(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: B 130, PERM/INST.

Z 351 VERTEBRATE EMBRYOLOGY (2-4-4)(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 (2-4-4)(S). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds and mammals. Two weekend field trips. PREREQ: Z 130, PERM/INST.

Z 361 MICROTECHNIQUE (1-6-3)(S). Theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. Offered alternate years. PREREQ: Z 130 PERM/INST.

Z 400 VERTEBRATE HISTOLOGY (3-3-4)(F). Microscopic anatomy of cells, tissues, and organs 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 (3-3-4S). Functional aspects of human tissue and organ systems with emphasis on regulatory and homoeostatic mechanisms. PREREQ: B 301, C 317, PERM/INST.

Z 409 GENERAL AND COMPARATIVE PHYSIOLOGY (3-3-4S). 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 MAMMALOGY (2-3-3S). Mammals as examples of biological principles: classification, identification, distribution, ecology, life histories, and adaptations of mammals. Two weekend field trips. Offered alternate years. PREREQ: 2355, 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.

Degrees Offered
• BS in Chemistry
• BS in 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 government 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.

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 (128 credits total).
   General Requirements ........................................ 53-61
   English Composition E 101, 102 ................................ 6
   Area I Core ................................................................ 12
   Area II Core ................................................................ 12
   Electives, Lower and Upper Division ................................ 23-31
   Chemistry .................................................................. 47
   College Chemistry C 131, 132, 133, 134 .......................... 9
   Organic Chemistry C 317, 318, 319, 320 .......................... 10
   Physical Chemistry C 321, 322, 323, 324 .......................... 8
   Quantitative Analysis C 211, 212 ................................. 5
   Advanced Inorganic Chemistry C 401 ............................ 3
   Organic Qualitative Analysis C 440 ............................... 3
   Instrumental Analysis C 411 ........................................ 4
   Chemistry Seminar C 498, 499 ..................................... 2
   Independent Study C 496 ............................................ 2
   Mathematics ................................................................ 10-18
   (Completion of Mathematics through Calculus M 206) .... 11
   Physics Requirements .............................................. 11
   (PH 220, 221, 222, 223, 224) ........................................

2. Recommended Electives:
   Foreign Language
   Upper Division Mathematics
   Upper Division Physics

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 ................................................... 5 4
   Degree Requirements or Electives ................................ 3 3
   Totals ........................................................................ 15 15

SOPHOMORE YEAR
   Organic Chemistry C 317, 318, 319, 320 ........................ 5 5
   Quantitative Analysis C 211, 212 ................................. 5 5
   Mathematics M 206 .................................................. 4 4
   Physics PH 221, 222, 223, 224 .................................. 4 4
   Degree Requirements or Electives ................................ 6 6
   Totals ........................................................................ 18 15

JUNIOR YEAR
   Physical Chemistry C 321, 322, 323, 324 ........................ 4 4
   Organic Qualitative Analysis C 440 ............................... 3 3
   Degree Requirements or Electives ................................ 9 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
College of Arts and Sciences

CHEMISTRY MAJOR
Bachelor of Science

NOTE: For students with a general high school background.

<table>
<thead>
<tr>
<th></th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>FRESHMAN YEAR</td>
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<tr>
<td>English Composition E 101, 102</td>
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<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
<td>4</td>
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<tr>
<td>Mathematics M 111, 204</td>
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<td><strong>Totals</strong></td>
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| 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         |         |         |
| Chemistry Seminar C 321, 322, 323, 324 | 4       | 4       |
| Quantitative Analysis C 211, 212 | -       | 5       |
| Physics PH 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 496, 499 | 1       |         |
| Degree Requirements and Electives | 12      | 8       |
| **Totals**          | 17      | 17      |

CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree

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</tr>
<tr>
<td>General Zoology Z 130</td>
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<tr>
<td>General Botany BT 130</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>17</td>
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| 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 496, 499 | 1       | 1       |
| Secondary School Methods TE 381, 384 | 3       | 3       |
| Senior High School Teaching TE 483, 487 | -9      |         |
| Educating Exceptional Secondary Students TE 333 | 1       |         |
| Degree Requirements or 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)(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.

C 107 ESSENTIALS OF CHEMISTRY (3-0-3)(Area III). The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic Chemistry. Satisfactory score on Mathematics Placement Exam “B” 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 110 LABORATORY FOR ESSENTIALS OF CHEMISTRY (1-3-2)(SU)(Area III). The laboratory to accompany C 106. One three-hour laboratory and one one-hour recitation. The recitation will include discussion of both lecture and laboratory material. COREQ: C 109.

C 111 COLLEGE CHEMISTRY (3-0-3)(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 221. Concurrent enrollment in C 132 is required.

C 132 LABORATORY FOR COLLEGE CHEMISTRY (0-3-1)(SU)(Area III). Laboratory work to accompany C 131. Concurrent enrollment in C 131 is required.

C 133 COLLEGE CHEMISTRY (3-0-3)(SU)(Area III). A continuation of C 131 to include equilibrium, redox, and complex ions. 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 319 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). 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 332, 334 PHYSICAL CHEMISTRY LABORATORY (0-3-1)(F). 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 (3-0-1). 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, PERS/INST.

C 411G INSTRUMENTAL ANALYSIS (2-6-4S). 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 concurrently with C 411.

C 413G INTRODUCTION TO BIOCHEMISTRY (3-0-3)(F). A study of the chemistry of important biologically compounds and an introduction to metabolism. PREREQ: C 317.

C 432G BIOCHEMISTRY LABORATORY (0-3-1). Identification, isolation, and reaction to 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. 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 English
Liberal Arts Building, Room 228 Telephone (208) 385-1246

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

Degrees Offered
- BA, English, Liberal Arts emphasis
- BA, English, Secondary Education
- BA, English, General Literature emphasis
- BA, English, American Literature emphasis
- BA, English, British Literature emphasis
- BA, English, Linguistics emphasis
- BA, English, World Literature emphasis
- BA, English, Writing emphasis
- BA, English, Liberal Arts
- MA in education, English emphasis (see Graduate College listing in this Catalog for details)

Department Statement
The major in English was traditionally served to develop skills of imagining, reasoning, and communicating. English majors have come to approach matters from a variety of points of view, to recognize patterns of information or ideas from incomplete reports and to understand other people as well as abstract principles. For these reasons the major in English has provided one of the most successful preparations for professional degrees in law, medicine, and commerce.

Because the major serves students seeking personal development as well as professional training, the department has designed a series of major options to fit student needs. The Secondary Option fulfills Idaho certification requirements and prepares students to teach in school districts around the country. The General Option affords student most flexibility through limiting departmental requirements. The Liberal Arts emphasis, by requiring preparation in a number of areas, offers the broadest, most complete background in the disciplines.

Degree Requirements
All majors must fulfill general university requirements for the Bachelor of Arts degree.

College of Arts and Sciences

1. BA, English, Liberal Arts emphasis
   - Specific Courses
     - Survey of British Literature E240 and E260
     - Shakespeare E345, 346
     - Introduction to Language Studies L1305
     - History of the English Language L1309
     - History of Literary Criticism E393
     - Senior Seminar E498
   - Area Requirements
     - American Literature E271, 272, 378, 384
     - Pre-1800 British Lit E340, 341, 348, 350, 351, 356, 358, 359
   - Upper Division Electives
     - Competence in a Foreign Language equivalent to two years of University instruction
     - 15

2. BA, English, Secondary Education
   - Specific Courses
     - Survey of British Literature E240, E260
     - Shakespeare E345, 346
     - Introduction to Language Studies L1305
     - History of Literary Criticism E393
     - Senior Seminar E498
   - Area Requirements
     - American Literature E271, 272, 378, 384
     - Pre-1800 British Lit E340, 341, 348, 350, 351, 356, 358, 359
   - Special Option Requirements
     - a. Option 7-9 (Junior High)
        - Writing E201, 305, 306, 401
     - b. Option 10-12 (Senior High)
        - Western World Literature E230, 235
   - Idaho Certification Requirements: Successful completion of Secondary Option Writing Proficiency exam.
     - a. Option 7-12 (Senior High)
        - Language L1309 and 307 or 405
        - Methods E 301 and 381 or TE 358
        - Speech
        - 3
        - Advanced Writing E 201, 305, 306, 401

3. BA, English, General Literature emphasis
   - Completion of 53 credits in English or Linguistics excluding E 101, E 102, E 111-H, and E 112-H.
     - a. Of these credits, 38 must be upper division, including E 498, Senior Seminar.
     - b. Of these credits, 15 must be in British Literature, excluding E 385, E 389, and E 487.
     - No more than 9 credits may be in special topics courses in English or Linguistics.
## 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.

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<tr>
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<td>DEVELOPMENTAL WRITING (1-2-0)</td>
<td>Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if ACT, SAT, or TWSE score is below 20th centile. Also for basic review. Successful completion of competency test required. PREREQ: ACT score 20 or SAT score 350 or TWSE score 20 or below.</td>
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<tr>
<td>E 101</td>
<td>ENGLISH COMPOSITION (3-0-3) (Core)</td>
<td>Basic skills in reading and 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.</td>
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<td>E 102</td>
<td>ENGLISH COMPOSITION (3-0-3) (Core)</td>
<td>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 ENGLISH.</td>
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<tr>
<td>E 111, 112</td>
<td>HONORS COMPOSITION (3-0-3) (Core)</td>
<td>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 or E 111. Successful completion of competency test required. PREREQ: E 111 or ENGLISH.</td>
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### Upper Division

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<tbody>
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<td>E 340-369</td>
<td>upper Division Literature</td>
<td>6-8</td>
</tr>
<tr>
<td>E 380-389</td>
<td>upper Division Literature</td>
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<tr>
<td>E 498</td>
<td>Senior Seminar</td>
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<td>E 499</td>
<td>Senior Internship</td>
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### Minor Endorsement in English

#### Advanced Composition

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<tr>
<td>E 301</td>
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<tr>
<td>E 302</td>
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#### Linguistics

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<td>E 305</td>
<td>Applied English Linguistics</td>
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#### Survey of American Literature

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<tr>
<td>E 271, 272</td>
<td>Survey of American Literature</td>
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<tr>
<td>E 345</td>
<td>Shakespeare: Tragedies and Histories</td>
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<tr>
<td>E 346</td>
<td>Shakespeare: Comedies and Romances</td>
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#### Survey of Modern British and American Literature

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<tr>
<td>E 380</td>
<td>Survey of Modern British and American Literature</td>
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#### Upper Division electives in Literature or Linguistics

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## Course Offerings

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### Minor Endorsement in English

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E 101 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 305, 305, Introduction to Language Studies, or inservice teaching.

E 305 CREATIVE WRITING—ADVANCED POETRY (3-0-3)(S). PREREQ: E 205 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours.

E 346 SHAKESPEARE: COMEDIES AND ROMANCES (3-0-3)(F/S). Representative plays such as The Taming of the Shrew, A Midsummer Night's Dream, As You Like It, Twelfth Night, and the Tempest. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1985/1986.

E 349 ELIZABETHAN AND JACOBEAN DRAMA (3-0-3)(F). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster and Ford. PREREQ: Three credits of literature or PERM/CHMN. Alternate years. Offered 1985/1986.


E 358 RESTORATION AND EIGHTEENTH CENTURY POETRY AND PROSE (3-0-3) (F/S). A study of literary currents in the British Enlightenment and its literary expression, with an emphasis on the period following the Restoration. PREREQ: E102 or PERM/CHMN.

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, Fielding, Smollett, Sterne, Austen and others. The emphasis is placed on an understanding of the development of the novel as a literary form. 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. This course focuses on an exploration of the romantic movement in literature.

E 365 VICTORIAN POETRY (3-0-3)(S). Readings in Tennyson, Browning, Arnold, and others. Their poems are the sometimes sanes, sometimes shocking results of an attempt to find and keep artistic and moral hope amidst a world that was changing.

E 366 VICTORIAN PROSE (3-0-3)(S). Readings in Dickens, Thackeray, Constance, Eliot, and others. This course explores the Victorian period in literature, focusing on the works of prominent authors of the time.

E 377 AMERICAN RENAISSANCE (3-0-3)(S). A study of the second generation of American literature experience such as T. E. H. D., McGowan, E. A. T., and others. This course examines the development of American literature from the Renaissance to the modern period.

E 378 AMERICAN REALISM (3-0-3)(S). American literature from the Civil War to World War I. Works of Stephen Crane, Henry James, W. D. Howells, Kate Chopin, and others. This course focuses on the realism of American literature.


E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(S). The literature of the American West, with an emphasis on the works of authors such as O. Henry, H. James, W. D. Howells, and others. This course explores the literature of the American West.

E 385 MODERN BRITISH AND AMERICAN FICTION (3-0-3)(S). A study of the development of modern British and American fiction since 1900. Reading includes novels by authors such as Virginia Woolf, D.H. Lawrence, and others. This course explores the development of modern fiction.

E 389 MODERN BRITISH AND AMERICAN DRAMA (3-0-3)(S). A study of the various dramatic forms and techniques used in modern British and American drama. The emphasis is placed on an understanding of the development of the dramatic form.

E 390 FOLKLORE (3-0-3)(S). Study of the role of folklore in literature, with an emphasis on the influence of folklore on the development of literature.

E 393 HISTORY OF LITERARY CRITICISM (3-0-3)(F). A survey of the development of literary criticism from ancient Greece to the twentieth century. PREREQ: A literature survey or PERM/CHMN.

E 401 ADVANCED WRITING (3-0-3)(F). Writing for the student who wants advanced training in expression ideas. The emphasis is on developing effective prose styles, taking into account the techniques appropriate for specific audiences. This course 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 study of literature suitable for children and young adults. The emphasis is placed on the development of reading skills and the ability to read and interpret literature.

E 487 MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F). A study of the development of modern British and American poetry from the early twentieth century to the present. PREREQ: Three credits of literature or PERM/CHMN.

E 488 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 490 SENIOR SEMINAR (3-0-2)(S). Required of all senior English majors. PREREQ: Senior standing or PERM/CHMN.

LI LINGUISTICS

LI 305 INTRODUCTION TO LANGUAGE STUDIES (3-0-3)(F). A general survey of contemporary language study, with an emphasis on language as a social and cultural phenomenon. 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. PREREQ: LI 305 or PERM/CHMN.

LI 309 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(S). A survey of the development of English, with an emphasis on the role of language in history. PREREQ: LI 305 or PERM/CHMN.

LI 405 MODERN ENGLISH STRUCTURE (3-0-3)(F). An introduction to modern English grammar, with an emphasis on the role of grammar in language study. PREREQ: LI 305 or PERM/CHMN.

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 the role of English in the classroom. PREREQ: LI 305 or PERM/CHMN.

Department of Geology/Geophysics

Mathematics-Geology Building, Room 104 Telephone (208) 385-1631

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

Degrees Offered

- BS, Geology
- BS, Geophysics
- BS, Earth Science Education, Secondary Education
- MS, Education, Earth Science emphasis; see Graduate section of this Catalog for program details.
- MS, Geology: cooperative program with Idaho State University; see Graduate section of this Catalog for program details.

Special Information for Students

The Department of Geology and Geophysics offers a range of programs designed to meet the needs of students. The department offers a Bachelor of Science in Geology, Bachelor of Science in Geophysics, Bachelor of Science in Earth Science Education, and Bachelor of Science in Education, Earth Science emphasis. These programs are designed to provide students with a strong foundation in the geological sciences and prepare them for careers in a variety of fields. Interested students are encouraged to consult with their academic advisors to determine the best course of study for their individual needs and goals.
Degree Requirements

**GEOLOGY MAJOR**
Bachelor of Science Degree Requirements

1. General University and BS Degree Requirements. Note that Area III is fulfilled by the major requirements below.

   **Recommended Core Courses:**
   - Area I, Foreign Language (201 or higher)
   - Area II, Economics, Geography

2. Major Requirements:

   - **Geology and Geophysics**: 53 credits
     - Physical Geology (GO 101) 4
     - Historical Geology (GO 103) 4
     - Mineralogy (GO 221) 3
     - Field Geology (GO 280) 3
     - Igneous & Metamorphic Petrology (GO 324) 3
     - Sedimentation & Stratigraphy (GO 310) 4
     - Geomorphology (GO 313) 3
     - Structural Geology (GO 314) 4
     - Invertebrate Paleontology (GO 351) 4
     - Geophysics 300 or GP 301 3
     - Summer Field Camp GO 482 4
     - Senior Seminar GO 498 or 499 1
     - Geology Electives 11
     - College Chemistry C 131, 132, 133, 134 9
     - Physics 7
     - Mathematics M 204-205* or M 211-212 9-10
     (Mathematics through M 206 is recommended for students planning graduate studies.)
     - Cartography GG 220 or Surveying EN 215 3-2

3. Education Requirements

   - Foundations of Education 3
   - Educational Psychology 3
   - Secondary Student Teaching 8-16
   - Secondary School Methods 3
   - Educating the Exceptional Secondary Student 3
   - Reading in Content Subject 3
   - Secondary School Science Methods TE 384 3
   - TOTAL 24-32

**GEOPHYSICS MAJOR**
Bachelor of Science Degree Requirements

1. General University and BS Degree Requirements. Note: Area III is fulfilled by the major requirements below.

2. Major Requirements:

   - Geophysics 21 credits
     - Grav-Mag Methods (GP 310) 3
     - Electrical Methods (GP 320) 3
     - Seismic Methods (GP 330) 3
     - Geophysics Field Camp (GP 340) 6
     - Exploration Well Logging (GP 410) 3
     - Geophysical App. of Dig. Sig. Proc. (GP 420) 3
     - Geology 26 credits
     - Physical Geology (GO 101) 4
     - Historical Geology (GO 103) 4
     - Mineralogy (GO 221) 3
     - Field Geology (GO 200) 3
     - Igneous & Metamorphic Petrology (GO 323) 3
     - Sedimentation & Stratigraphy (GO 310) 4
     - Structural Geology (GO 314) 4
     - College Chemistry Lab (C 132) 3
     - College Chemistry II (C 133) 3
     - (C 134 not required)
     - Physics 14 credits
     - Physics I—Mechanics (PH 220) 3
     - Physics II—Waves & Heat (PH 221) 3
     - Physics II—Lab (PH 223) 1
     - Physics III—Elect & Mag (PH 222) 3
     - Physics III—Lab (PH 224) 1
     - Electricity and Magnetism (PH 381) 2
     - Mathematics 24 credits
     - Digital Computer Programming (CS 124 or EN 104) 2
     - Calculus & Analytic Geometry I (M 204) 5
     - Calculus & Analytic Geometry II (M 205) 4
     - Calculus & Analytic Geometry III (M 206) 2
     - Vector Calculus (M 320) 2

3. Free Electives 15-18

**EARTH SCIENCE EDUCATION MAJOR**
Bachelor of Science Degree Requirements

1. General University and Baccalaureate Degree Requirements.

2. Major Requirements:

   - Geology 4 credits
   - Physical Geology 4
   - Historical Geology 4
   - Introduction to Ocean Geology 3
   - Meteorology 3
   - Senior Seminar 1
   - Geomorphology 3
   - Geology electives to total 30 credits 18
   - College Chemistry 9
   - General Physics or General Biology 8
   - Mathematics through M 204 10
   - Electives 4
   - Recommended electives: Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy

3. Education Requirements

   - Foundations of Education 3
   - Educational Psychology 3
   - Secondary School Methods 3
   - Secondary Student Teaching 8-16
   - Educating the Exceptional Secondary Student 3
   - Reading in Content Subject 3
   - Secondary School Science Methods TE 384 3
   - TOTAL 24-32
College of Arts and Sciences

Differential Equations (M 331) ............................................ 3
Lin Sys and Sig Proc (CS 426) ........................................... 4
Electives* ................................................................. 9

* Recommended electives usually include 3 courses tailored to an individual student's needs. See an advisor for assistance.

Recommended Programs

GEOLGY MAJOR

FRESHMAN YEAR

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<tr>
<th>Course</th>
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<td>English Composition E 101, and 102</td>
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<td>Physical Geology GO 101</td>
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<td>Historical Geology GO 103</td>
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<tr>
<td>Algebra and Trigonometry M 111</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 204</td>
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SOPHOMORE YEAR

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<tr>
<td>Cartography GG 220 or alternate</td>
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<tr>
<td>Mineralogy GO 221</td>
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<tr>
<td>Ig. &amp; Met. Petrology GO 323</td>
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<td>Ig. &amp; Met. Petrography GO 324</td>
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<td>Field Geology GO 280</td>
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<tr>
<td>Physics PH 220 and PH 221, PH 223</td>
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<td>Calculus &amp; Analytic Geometry M 205 or alternate</td>
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<td>Electives Area I &amp; II</td>
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<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
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<td>SUMMER OF JUNIOR YEAR</td>
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JUNIOR YEAR

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<tr>
<td>Sedimentation &amp; Stratigraphy GO 310</td>
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<td>Geomorphology GO 313</td>
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<tr>
<td>Geophysics GP 300 or GP 301</td>
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<td>Electives Area I &amp; II</td>
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<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
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<td>SUMMER OF JUNIOR YEAR</td>
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SENIOR YEAR

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<td>Seminar</td>
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<td>Secondary School Methods</td>
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<td>Student Teaching</td>
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GEOPHYSICS MAJOR

FRESHMAN YEAR

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<tr>
<td>Physical Geology GO 101</td>
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<td>Historical Geology GO 103</td>
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<td>College Chemistry I.C 131</td>
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<td>College Chemistry Lab C 132</td>
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<td>College Chemistry C 133</td>
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<td>Calculus &amp; Anal. Geometry M 204</td>
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<tr>
<td>Digital Computer Programming EN 104 or CS 124</td>
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JUNIOR YEAR

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<tr>
<td>Structural Geology GO 314</td>
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<tr>
<td>Sedimentation &amp; Stratigraphy GO 310</td>
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<td>Geomorphology GO 313</td>
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<td>Geophysics GP 300 or GP 301</td>
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<td>Upper Division Geology &amp; Geophysics Electives</td>
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SENIOR YEAR

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<td>Physics III-Elec. &amp; Mag. PH 222</td>
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<td>Physics III Lab PH 224</td>
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<td>Grav-Mag Methods GP 310</td>
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<td>Sed &amp; Strat GO 310</td>
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<td>Structural Geology GO 314</td>
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<td>Vector Calculus M 320</td>
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<td>Electrical Methods GP 320</td>
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<td>Seismic Methods GP 330</td>
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SUMMER OF JUNIOR YEAR: Geophysics Field Camp GP 340

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<tr>
<td>Linear Systems &amp; Signal Proc CS 426</td>
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<tr>
<td>Elec. &amp; Mag. (advanced) PH 381</td>
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<td>Exploration Well Logging GP 410</td>
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<td>Geophys App of Dig. Sig. Proc. GP 420</td>
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Course Offerings

GO GEOLOGY

Lower Division

GO 100 FUNDAMENTALS OF GEOLOGY (3-24/4) (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 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). 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 310 SEDIMENTATION AND STRATIGRAPHY (3-1-4)(S). The study of sedimentary rocks, their classification, processes involved in their genesis, and chronology of deposition. Subjects covered include: Weathering and erosion, transportation, diagenesis, depositional facies and environments, and correlation techniques. PREREQ: GO 103, GO 323.

GO 313 GEOFORMS (3-3-2)(F). 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 (3-3-4)(S). A study of the origin and reconstruction of structures within the Earth's crust, and a theoretical treatment of stress and strain. Laboratory problems in orthographic and stereographic methods, and solution of structural problems using geologic maps and cross-sections. PREREQ: M 111, GO 181, 221, 283.

GO 322 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 PETROLOGY (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). A study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hard part morphology, ontogeny, phylogeny and taxonomy of the geologically more abundant groups. Laboratory work based on standard collections. Special project, field trips. PREREQ: GO 103.

GO 403 ENGINEERING GEOLOGY (2-3-3)(S). Introduction to soil and rock mechanics. Slope stability analysis. Surface and subsurface exploration of rocks. Geological and geophysical considerations for construction projects. Current applications of geology to engineering projects. Alternate years. PREREQ: GO 280, PH 102 or PH 220, GO 323 or PERM/INST.


GO 421 ORIGIN DEPOSITS (2-3-3)(F). 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. Laboratory work consists of detailed studies of ore and alteration suites. Transmitted and reflected-light microscopy will be used to supplement hand specimen study.

GO 422 EXPLORATION AND MINING GEOLOGY (3-0-3)(S). The course emphasizes geologic, engineering, and economic factors as they relate to exploration 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 (3-3-3)(Field trip(s) required). 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 432 ORE DEPOSITS (2-3-3)(F). Origin, 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. Laboratory work consists of detailed studies of ore and alteration suites. Transmitted and reflected-light microscopy will be used to supplement hand specimen study.

GO 440 VOLCANOLOGY (2-0-2)(F). 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 structures produced. Field and laboratory study of various types of volcanic deposits as well as their volcanic-tectonic relationships will be emphasized. An independent project pertaining to volcanoes or volcanic rocks will be required of all students taking the course for graduate credit. PREREQ: GO 323.

GO 471 REGIONAL FIELD STUDY (1, 2, or 3 cr)(F/S/SU). Field trips and field exercises to study geology of classic localities in North America. Review of pertinent literature and maps, recording of geologic observations and the preparation of a comprehensive report on the geology of the areas visited. PREREQ: GO 103 or PERM/INST.

GO 482 GEOLOGY SUMMER FIELD CAMP (0-6-4)(SU). The study of geology in its natural environment, the field. Emphasis is upon geologic mapping, the collection, plotting and analysis of data to solve geologic field problems, mapping on aerial photographic and topographic base. Student should expect to be in the field 6-10 hours per day, 6 days per week for 4 weeks. Students working toward a professional degree in geology (Bachelor of Science at BSU) must take: COREQ: GO 483.

GO 483 GEOLOGY SUMMER FIELD CAMP REPORT (0-0-2)(SU). A comprehensive geologic report, map and cross-section based upon mapping experiences at summer field camp. Map, report and cross-section must be of professional quality. COREQ: GO 482.

GO 493 SENIOR THESIS (4-4 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

GO 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). 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 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 Africa 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.


GP GEOPHYSICS

Upper Division

GP 300 PHYSICS OF THE EARTH (3-0-3)(F). 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. Alternate years. PREREQ: PH 102.

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. Alternate years. PREREQ: PH 102, CO 101.

GP 310g GRAVIMETRIC AND MAGNETIC METHODS (3-0-3)(F). Basic potential field theory, instrumentation, reduction of observed data, methods of data interpretation. Application to petroleum and mineral exploration, geotechnical and engineering investigations. PREREQ: CO 101; must be concurrently taken or have taken PH 222, PH 224. 


GP 410g EXPLORATION WELLOGGING (2-3-3)(F). Fundamentals of geophysical and geological well logging applied to petroleum, groundwater, and engineering-site exploration. Exercises in conventional interpretation of logs in sedimentary sections, and special considerations of logs in igneous and metamorphic rocks and fresh-water bearing sections. Interpretation of well logging, seismic reflection data, and surface geology. PREREQ or Coreq: CO 310.

GP 420G GEOPHYSICAL APPLICATIONS OF DIGITAL SIGNAL PROCESSING (3-0-3)(S). Digital processing of geophysical data including stacking, filtering, deconvolution, migration, synthetic seismograms, two-dimensional operations. PREREQ: CS 426.

GP 430G MATHEMATICAL MODELING IN GEOPHYSICS (3-0-3)(S). Introduction to useful mathematical techniques in geophysics. Examples include: Taiwan modeling, statistical evaluation of aeromagnetic anomalies, and finite-element and finite-difference techniques applied to seismic wave propagation. PREREQ: M 331, M 301, M 406, CS 426.

GS GENERAL SCIENCE

GS 301 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3-0-3)(S). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science—both as a 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 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, Griffin, Hausrath, Kenny; Assistant Professors: Ayers, Grantham, Porter.

Degrees Offered

- BA and BS in Mathematics
- BA and BS in Mathematics, Secondary Education
- MA and MS in Education, Mathematics emphasis: see the Graduate section of this Catalog for program description.

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 or Applied 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 Arts or Bachelor of Science Degree

1. University Requirements for BA or BS Degree
2. Mathematics Requirements: Lower Division
   a. M 204, M 205, and M 206 or M 211 and M 212 Calculus
   b. CS 127
3. Upper Division Mathematics—27 credits including:
   a. M 301 Linear Algebra
b. One or more selections in at least 4 of the 5 following groups:
1) M 302 Introduction to Abstract Algebra
2) M 314 Foundations of Analysis
3) M 361 Fundamentals of Statistics or both M 431 and M 432 Probability and Statistics
4) M 306 Number Theory, M 356 Discrete Mathematical Structures, M 441 Abstract Algebra, or M 456 Linear Programming
5) M 406 Theory of Functions of a Complex Variable, M 340 Numerical Analysis, M 331 Differential Equations, M 401 Advanced Calculus, or M 411 Introduction to Topology
c. One of the following sequences:
1) CS 354 Programming Languages, CS 358 Data Structures, CS 451 Systems Programming
2) M 401-402 Advanced Calculus
3) M 421 Fourier Series and Boundary Value Problems and M 456 Linear Programming
4) M 431-432 Probability and Statistics
5) M 441-442 Abstract Algebra
d. And a 400-level course (numbered below M/CS 490) in addition to those in the sequence selected.

All upper division mathematics courses numbered below M/CS 490 count toward the requirement of 27 upper division mathematics credits. No more than 4 credits of the combined total of credits earned for requirements and Endorsements for Secondary Education, in the section for the Department of Teacher Education.

MATHEMATICS, SECONDARY EDUCATION MAJOR
Bachelor of Science or Bachelor of Arts Degree
1. University Requirements for BS or BA Degree
2. Mathematics Requirements:
   a. Computers: CS 122 or 124
   b. Calculus through M 206 or M 212
   c. Linear Algebra: M 301
   d. At least one of
      • Intro. to Abstract Algebra M 302
      • Number Theory M 306
   e. Foundations of Geometry M 311
   f. Foundations of Analysis M 314
   g. Statistics M 361 or both M 431-432
   h. Mathematical Modeling M 464
   i. Mathematics in Secondary Schools M 490
   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—24-32 credits. See "Certification Requirements and Endorsements for Secondary Education", in the section for the Department of Teacher Education.

Suggested Programs

MATHEMATICS MAJOR

FRESHMAN YEAR
Calculus M 204-205 or M 211-212
English Composition E 101-102 or E 111-112
Pascal Programming CS 125
Introduction to Computer Science CS 127
Area I and Area II core requirements
Area III Core Requirements
College Chemistry C 131-134
Physics I—Mechanics PH 220

SOPHOMORE YEAR
Calculus M 206
Linear Algebra M 301
Differential Equations M 331
Intro to Abstract Algebra M 302
Area I and Area II core requirements
Suggested electives:
Economics EC 201-202
Physics II—Wave Motion and Heat PH 221-223
Physics III—Electricity and Magnetism PH 222-224

JUNIOR YEAR
Foundations of Analysis M 314
Discrete Math Structures M 356 or Number Theory M 306
Linear Programming M 456
Statistics M 431-432
Area I and Area II core requirements

SENIOR YEAR
Advanced Calculus M 401-402
Abstract Algebra M 441-442
Senior Seminar M 498
Area I and Area II core requirements

MATHEMATICS MAJOR
Emphasizing Computer Science

FRESHMAN YEAR
English Composition E 101-102 or E 111-112
Calculus M 204-205 or M 211-212
Pascal Programming CS 125
Intro to Computer Science CS 127
Area I and Area II core requirement.
Suggested electives:
Speech CM 111
Logic PY 121
College Chemistry C 131-134
Physics I—Mechanics PH 220

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 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:
Introduction to Abstract Algebra M 302
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 420
Systems Analysis and Design IS 430
Software Design IS 430

MATHEMATICS, SECONDARY EDUCATION

In order for students to complete the requirements for the Secondary Education Degree, careful course scheduling and ordering are necessary. The following suggested program reflects these considerations.

1st 2nd

FRESHMAN YEAR
English Composition E 101-102 or E 111-112 ....... 3 3
Calculus M 204, 205 or 211, 212 ................. 5 4-5
Programming CS 101-102, or 124 ................. 2 -
Electives ........................................ 6 9-8

55
I've 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.

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 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 125 PASCAL PROGRAMMING (3-0-3). An introduction to the Pascal programming language: structured programming, logical control, procedures and functions, data types, I/O and files. PREREQ: M 111 or M 106 or PERM/INST.

CS 127 INTRODUCTION TO COMPUTER SCIENCE (4-0-4). Concepts of assembly language programming; number systems and data representation; algorithms; procedures and subroutines; files; recursion; elementary data structures; searching and sorting; floating point errors; good programming practice; structured design, testing and verification. PREREQ: CS 125 or PERM/INST.

CS 226 ASSEMBLER LANGUAGE (4-0-4). Assembly language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, handmade 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/I, SNOBOL, LISP, APL), their programming and design. Syntax and semantics. Information binding, 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, hierarchical data structures, recursion, searching and sorting, files, data structures in programming languages. PREREQ: CS 226 or PERM/INST.

CS 426 LINEAR SYSTEMS AND SIGNAL PROCESSING (4-0-4). Introduction to linear systems and Fourier analysis of continuous and discrete signals. Examples of applications will be drawn from the physical, biological, and social sciences. PREREQ: M 331 and a knowledge of Fourier, BASIC, or Pascal 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 measurements 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 CS 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 or 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, 106 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 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 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. PREREQ: 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, 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 Music

Morrison Center, Room C-100, Boise State University, Boise, Idaho 83725

Chairman and Professor: Wilber D. Elliott; Associate Chairman and Associate Professor: Donald Oakes; Professors: Baldwin, Hsu, Shelton; Associate Professors: Bratt, Hopper, Parkinson, Speake; Assistant Professors: Baldassarre, Belfy, Samball, Schroeder, Thomason.

Degrees Offered

• BA and BM in Music
• BM in Music 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
Dr. & Mrs. Arthur C. Jones
Bryant S. Martineau
Mr. & Mrs. Edward Utey
William K. Dunkley Family

Alice Gould
Senator Len Jordan
Marjorie Palmquist
Mrs. Eli Weston

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

Music Major Programs: The Music Department offers two Bachelor of Arts 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 Examinations.
3. Theory-Composition Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree .......... 32
b. Music Requirements:
   (1) Music Core ........................................ 35-37
   (2) Major Instrument Performance Studies ........................................ 14
   (3) MC 300 Level or above: 4 cr minimum
   (4) Additional Lower Division Courses ........................................ 7
      Orientation to Music Educ MU 271 ........................................ 1
      Instrumental Tech & Meth MU 257, 266 ........................................ 4
   (5) Additional Upper Division Courses ........................................ 13
      Band Arranging MU 455 ........................................ 2
      Band & Orchestra Meth & Mater MU 387 ........................................ 2
      Choral Methods & Mater MU 385 ........................................ 2
      Choral & Instr Conducting MU 365, 366 ........................................ 4
      Instrumental Tech & Meth MU 368, 369 ........................................ 4
   (6) Electives Credits ........................................ 9-14
      Recommended Major Electives:
      Functional Piano MU 213 ........................................ 2
      Teaching Music in the Elementary Classroom MU 372 ........................................ 2
      (to qualify students for Idaho State Certification for Elementary School Music Specialist)

   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.

4. Music Education Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree .......... 32
b. Music Requirements:
   (1) Music Core ........................................ 35-37
   (2) Major Instrument Performance Studies ........................................ 14
   (3) MC 300 Level or above: 4 cr minimum
   (4) Additional Lower Division Courses ........................................ 7
      Orientation to Music Educ MU 271 ........................................ 1
      Instrumental Tech & Meth MU 257, 266 ........................................ 4
   (5) Additional Upper Division Courses ........................................ 13
      Band Arranging MU 455 ........................................ 2
      Band & Orchestra Meth & Mater MU 387 ........................................ 2
      Choral Methods & Mater MU 385 ........................................ 2
      Choral & Instr Conducting MU 365, 366 ........................................ 4
      Instrumental Tech & Meth MU 368, 369 ........................................ 4
   (6) Electives Credits ........................................ 9-14
      Recommended Major Electives:
      Functional Piano MU 213 ........................................ 2
      Teaching Music in the Elementary Classroom MU 372 ........................................ 2
      (to qualify students for Idaho State Certification for Elementary School Music Specialist)

   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.

BACHELOR OF ARTS PROGRAM

General Music Major Option

1. General University and Basic Core Requirements for the Bachelor of Arts Degree.
2. Minimum Music Requirements:
   (1) Performance Studies ........................................ 8
   (2) Materials of Music I-IV MU 179, 180, 191, 192 ........................................ 14
   (3) Ear Training I-IV MU 171, 172, 181, 182 ........................................ 4
   (4) Survey of Music History and Literature Courses (2 to be chosen from MU 341, 342, 343, 344) ........................................ 4-6
   (5) Ensemble ........................................ 4
   (6) Concert Class MA 010 each semester ........................................ 0
   (7) Performance, Theory, Music Education, Music History Electives (to support Senior Recital* or Senior Project**): 10
   (8) Senior Recital* or Senior Project** ........................................ 1

*See MA 444 course description for details of the Senior Recital.
**An independent study terminal project under faculty supervision and with approval of the Dept. Chairman in the areas of Music Theory, Music Instruction, or Music Education.

Music/Business Option

General University and Basic Core Requirements for the Bachelor of Arts Degree to include the following:

1. Area II:
   (1) CM 111 Fundamentals of Speech Communication ........................................ 3
2. Area II: At least one course in Mathematics selected from the following:
   (1) M 100 Cultural Approach to Math, or M 105, 106 Math for Business Decisions ........................................ 4-8
3. Minimum Music Requirements
   (1) Total credits ........................................ 45
   (2) Performance Studies ........................................ 8

College of Arts and Sciences
4. Business courses (a maximum of 33 credits in Business courses allowed in this option)

   (24-33)

5. Required Courses:
   GB 101 Introduction to Business
   MM 101 Salesmanship
   MM 105 Elements of Management
   MM 203 Principles of Advertisements
   AC 205 Introduction to Financial Accounting
   AC 206 Introduction to Managerial Accounting
   GB 202 Legal Environment of Business
   IS 210 Introduction to Information Sciences

6. Additional courses-electives (up to 9 credits may be chosen from the following):
   EC 201 Principles of Economics-Macro
   EC 202 Principles of Economics-Micro
   AS 309 Records Preparation
   AS 317 Office Management
   MK 301 Principles of Marketing
   MK 307 Consumer Behavior

An Independent Study terminal project under faculty supervision with the approval of the Music Department Chairman.

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

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

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
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<tr>
<td>Area II Courses</td>
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<td>Concert Class MA 010</td>
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<tr>
<td>Materials of Music I, II MU 119-120</td>
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<td>0</td>
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<tr>
<td>Ear Training I, II MU 121-122</td>
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<tr>
<td>Performance Major MC 1-2, 1-4</td>
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<tr>
<td>Major Ensemble ME 1-2</td>
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<td>SOPHOMORE YEAR</td>
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<tr>
<td>Area I Literature</td>
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<tr>
<td>Area II Course and Elective</td>
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<td>Electives</td>
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<tr>
<td>Concert Class MA 010</td>
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<tr>
<td>Materials of Music III, IV MU 219-220</td>
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<tr>
<td>Ear Training III, IV MU 221-222</td>
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<tr>
<td>Music History III, IV MU 343, 344</td>
<td>3</td>
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<tr>
<td>Keyboard Harmony* MU 313-314-Electives**</td>
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<tr>
<td>ELECTIVE</td>
<td>18</td>
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JUNIOR YEAR

<table>
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<tr>
<th>FRESHMAN YEAR</th>
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<tr>
<td>Foreign Language</td>
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<td>Concert Class MA 010</td>
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<td>Music History I, II MU 341, 342</td>
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<tr>
<td>Keyboard Harmony* MU 313-314-Electives**</td>
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<tr>
<td>Counterpoint MU 423 or 424</td>
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<tr>
<td>Performance Major MC 3-4</td>
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4. Business courses (a maximum of 33 credits in Business courses allowed in this option)

   (24-33)

5. Required Courses:
   GB 101 Introduction to Business
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   AS 317 Office Management
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   MK 307 Consumer Behavior

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

THEORY COMPOSITION MAJORS

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<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
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<tr>
<td>English Composition E 101-102</td>
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<td>Area II Courses</td>
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<tr>
<td>Materials of Music I, II MU 119-120</td>
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<tr>
<td>Ear Training I, II MU 121-122</td>
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<tr>
<td>Major Ensemble ME 1</td>
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<tr>
<td>Major &amp; Minor Performance Studies MC 2-2</td>
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<tr>
<td>ELECTIVE</td>
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</table>

SOPHOMORE YEAR

| Area I Literature | 3 |
| Area II Course and Elective | 3 | 3 |
| Electives | 3 | 3 |
| Concert Class MA 010 | 3 |
| Materials of Music III, IV MU 219-220 | 3 |
| Ear Training III, IV MU 221-222 | 1 |
| Music History III, IV MU 343, 344 | 3 |
| Keyboard Harmony* MU 313-314-Electives** | 4 | 5 |
| ELECTIVE | 18 | 14 |

JUNIOR YEAR

| Concert Class MA 010 | 0 |
| Music Composition MA 410 | 2 |
| Major Performance Studies MC 3-2 | 2 |
| Major Ensemble ME 3 | 1 |
| Band Arranging MU 455 | 2 |
| Counterpoint MU 423 or 424 | 2 |
| Basic Conducting MU 261 | 2 |
| Advanced Form and Analysis MU 410 | 1 |
| Music History I, II MU 341, 342 | 3 |
| Major Ensemble ME 1 | 1 |
| Major and Minor Performance Studies MC 2-2 | 4 | 4 |
| ELECTIVE | 17 | 17 |

SENIOR YEAR

| Foreign Language | 4 |
| Concert Class MA 010 | 0 |
| Music Composition MA 410 | 2 |
| Major Performance Studies MC 3-2 | 2 |
| Major Ensemble ME 3 | 1 |
| Band Arranging MU 455 | 2 |
| Counterpoint MU 423 or 424 | 2 |
| Basic Conducting MU 261 | 2 |
| Advanced Form and Analysis MU 410 | 1 |
| Music History I, II MU 341, 342 | 3 |
| Keyboard Harmony* MU 313-314-Electives** | 4 | 5 |
| ELECTIVE | 18 | 14 |

MUSIC EDUCATION EMPHASIS MAJORS

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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>General Psychology P 101 (Area II)</td>
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<td>History Elective</td>
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College of Arts and Sciences

**Performance Studies MC 1-1** ........................................... 2 2
17 17

**SOPHOMORE YEAR**

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<th>Area I Literature</th>
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<td>Foundations of Education TE 201/Area II</td>
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<td>Ear Training III, IV MUS 221-222</td>
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<td>Inst. Tech. &amp; Meth. MUS 257, 266</td>
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<tr>
<td>Orientation to Music Educ. MUS 271</td>
<td>2 2</td>
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<tr>
<td>Functional Piano MUS 213 (elective)</td>
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<tr>
<td>Vocal Techniques MUS 256</td>
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<tr>
<td>Music History I, II MUS 341-342</td>
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<td>Major Ensemble ME 1-</td>
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<tr>
<td>Performance Studies MC 2-2</td>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Foreign Language or Area III</th>
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<tr>
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<td>Inst. Tech. &amp; Meth. MUS 368, 369</td>
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<tr>
<td>Band and Orch. Meth. MUS 387</td>
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<tr>
<td>Choral Methods MUS 385</td>
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<td>Choral Conducting MUS 365</td>
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<td>Instrumental Conducting MUS 366</td>
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<td>Major Ensemble ME 3-</td>
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<td>Performance Studies MC 3-2</td>
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<td>Educational Psychology P 325</td>
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**SENIOR YEAR**

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<td>Senior Recital MA 444</td>
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<td>Major Ensemble ME 3-</td>
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<tr>
<td>Band Arranging MUS 455</td>
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<tr>
<td>Elementary Music MUS 372</td>
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<td>Educating Exceptional Students MUS 333</td>
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<td>Reading in the Content Subjects TE 307</td>
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<td>Student Teaching TE 482, 483</td>
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<td>Electives</td>
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<th>Course Offerings</th>
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<tr>
<td><strong>MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS</strong></td>
<td></td>
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<tr>
<td><strong>Lower Division</strong></td>
<td></td>
</tr>
<tr>
<td>MA 010 CONCERT CLASS (0-1-0)(F/S)</td>
<td>2 2</td>
</tr>
<tr>
<td>Student, guest and/or faculty performances. Minimum attendances per semester: 10 for music majors. 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.</td>
<td></td>
</tr>
<tr>
<td>MA 107 RECORDER CLASS (1-0-1)(F/S)</td>
<td>2 2</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MA 127 BEGINNING GUITAR CLASS (0-2-1)(F/S)</td>
<td>2 2</td>
</tr>
<tr>
<td>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.</td>
<td></td>
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<tr>
<td>MA 128 INTERMEDIATE GUITAR CLASS (0-2-1)(F/S)</td>
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</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MA 327 ADVANCED GUITAR CLASS (0-2-1)(F/S)</td>
<td>2 2</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MA 328 JAZZ GUITAR CLASS (0-2-1)(F/S)</td>
<td>2 2</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MA 310 MUSIC COMPOSITION (2-0-2)(F/S)</td>
<td>2 2</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>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 required senior recital.</td>
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</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MA 447 SENIOR COMPOSITION RECITAL (0-V-2). A recital for the performance of compositions by the Theory-Composition major. Students must make their own arrangements with personnel required for the recital. Required of Theory-Composition majors.</td>
<td></td>
</tr>
<tr>
<td>MA 327 ADVANCED GUITAR CLASS (0-2-1)(F/S)</td>
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</tr>
</tbody>
</table>

**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 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 at least once 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); 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, Brasos: A horn, B trumpet, C trombone, D tuba; Keyboard: A piano, B organ; Fretted string 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.

MC 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 142, 144, 242, 244, 342, 344, 442, 444 KEYBOARD INSTRUMENTS Private lessons.
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 320, 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 ME 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, and 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 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.

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-I (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 open course 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 17th century 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, 3, 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 371 MUSIC METHODS FOR THE ELEMENTARY SCHOOL TEACHER (2-D-2). A survey course to acquaint the student with the important literature from all periods and 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 261 or equivalent. Odd numbered years.

MU 385 CHORAL METHODS AND MATERIALS (1.2-2)(S). Designed for music majors: Includes special methods, materials and teaching techniques for classroom choirs. PREREQ: MU 271.

MU 398 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, Reiman, Smith; Associate Professors: Affleck, Gabert, Haefer; Assistant Professors: Dykstra, Mason.

Degrees Offered
- BS in Construction Management
- BS in Physics
- BS in 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 handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take four and one-half, five or more years to earn the degree. Therefore, a convenient option based on three years at 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 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
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 .......................... 3
       Seminar PH 499 .............................. 1
   * 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.

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 .................................................................. 20
       Calculus Sequence M 204, 205, 206 .... 13
       Differential Equations M 331 ......... 3
       Numerical Analysis M 340 ............... 4
   D. Chemistry ....................................................... 9
   E. Recommended Electives ...................................... 7

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
   B. Engineering ..................................................... 16
       Computer Prog. Course, such as EN 104 or CS 122 .. 2
       C. Math ......................................................... 16
       Differential Equations M 331 .......... 3
   D. Chemistry C 131, 132, 133, 134 ........ 9
   E. General Zoology Z 130 .................. 5
   F. General Botany BT 130 ................ 4
   G. Recommended Electives ....................... 9
   H. Possible Earth Science Elective .......... 4
3. Education Requirements ......................... 24-32
   Foundations of Education
   Secondary School Methods
   Secondary School Teaching
   Educational Psychology


Recommended Programs

ENGINEERING MAJOR

COMMON FRESHMEN YEAR
(All Engineering Majors)

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COMMON SOPHOMORE YEAR

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</table>
| * 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

Mechanical Engineering
Dynamics of Rigid Bodies EN 206 .............. 2

Chemical Engineering
Organic Chemistry C 318 ....................... 3
Principles of Economics EC 201 ............... 3

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.

FRESHMEN

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College of Arts and Sciences

**College of Arts and Sciences**

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<thead>
<tr>
<th>Engineering Graphics EN 108</th>
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<tbody>
<tr>
<td>Elective (Area II Social Sci)</td>
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<tr>
<td>Elective (Area I, Arts &amp; Humanities)</td>
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<tr>
<td>Calculus and Analytical Geometry M 204</td>
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<td>Engineering Fund and Comp Prog EN 107</td>
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<tr>
<td>Intro to Management of Construction CO 240</td>
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**SOPHOMORE**

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<th>General Physics PH 101-102</th>
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<tr>
<td>Basic Surveying EN 215</td>
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<tr>
<td>Intro to Financial Accounting AC 205</td>
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<tr>
<td>Construction Blue Print Commn CO 235</td>
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<tr>
<td>Materials &amp; Methods of Architecture AR 290</td>
<td>3</td>
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<tr>
<td>The Legal Environment of Business GB 202</td>
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<tr>
<td>Stat Tech for Decision Making DS 207</td>
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<tr>
<td>Intro to Managerial Accounting AC 206</td>
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<tr>
<td>Contracts and Specifications CO 246</td>
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<tr>
<td>Intro to Mechanics EN 205</td>
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**JUNIOR**

| Construction Equipment & Methods CO 320 | 3 |
| Mechanics of Materials EN 306 | 3 |
| Labor Law MG 330 | 3 |

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<th>1st SEM</th>
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<tbody>
<tr>
<td>Mechanical Installations CO 351</td>
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<tr>
<td>Principles of Economics-Macro EC 201</td>
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<tr>
<td>Principles of Economics-Micro EC 202</td>
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<td>Technical Writing E 202</td>
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<tr>
<td>Cost Accounting AC 351</td>
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<tr>
<td>Cost Estimating and Bidding CO 370</td>
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<tr>
<td>Soil Mechanics and Foundation Const CO 330</td>
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<tr>
<td>Principles of Finance FI 303</td>
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<tr>
<td>Electrical Installations CO 352</td>
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**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 |
| Project Scheduling & Control CO 417 | 3 |
| Organizational Behavior MG 401 | 3 |
| Electives | 2 |

**Course Offerings**

**CO CONSTRUCTION MANAGEMENT**

**Lower Division**

<table>
<thead>
<tr>
<th>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 form. 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.</th>
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<tr>
<td>Modern Physics PH 311,312</td>
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<td>Electronics Lab PH 301</td>
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<td>Transducers PH 304</td>
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<td>Lab Microprocessor Applications PH 307</td>
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<tr>
<td>Thermodynamics EN 320</td>
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<tr>
<td>Optics PH 331</td>
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<tr>
<td>Numerical Analysis M 340</td>
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<td>Area I or II Requirements</td>
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**Upper Division**

<table>
<thead>
<tr>
<th>CO 320 CONSTRUCTION EQUIPMENT &amp; METHODS (3-0-3)(F). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment.</th>
<th>3</th>
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<tbody>
<tr>
<td>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.</td>
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<td>CO 370 COST ESTIMATING AND BIDDING (3-0-3)(S). Extracting quantities from drawings, compiling and pricing estimates, preparation of bids.</td>
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<tr>
<td>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.</td>
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**PHYSICS MAJOR**

**Bachelor of Science Degree**

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<th>1st SEM</th>
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<tr>
<td>Applied Programming PH 225</td>
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**JUNIOR YEAR**

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<tr>
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<td>Transducers PH 304</td>
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<td>Thermodynamics EN 320</td>
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<td>Optics PH 331</td>
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**SENIOR YEAR**

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<tr>
<th>Electricity &amp; Magnetism PH 381,382</th>
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<td>Mechanics PH 341</td>
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<tr>
<td>Senior Lab PH 481</td>
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<td>Advanced Topics PH 422</td>
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<td>Electives</td>
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<td>Area I or II Requirements</td>
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<tr>
<td>Physics Seminar PH 499</td>
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</table>

**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 form. 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. | 2 |
| Modern Physics PH 311,312 | 3 |
| Electronics Lab PH 301 | 4 |
| Transducers PH 304 | 2 |
| Lab Microprocessor Applications PH 307 | 3 |
| Thermodynamics EN 320 | 4 |
| Optics PH 331 | 4 |
| Numerical Analysis M 340 | 4 |
| Area I or II Requirements | 3 |

**Upper Division**

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<th>CO 320 CONSTRUCTION EQUIPMENT &amp; METHODS (3-0-3)(F). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment.</th>
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<td>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.</td>
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CO 417 PROJECT SCHEDULING AND CONTROL (3-0-3SF). 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 (3-2-4HF)(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 (CS 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 subprograms, 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 (3-0-3HF). 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 (2-2-2HF). 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 (2-0-2SF). 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 (1-3-2HF). 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 (1-3-2SF). 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 I (3-0-3HF). 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). A continuation of EN 221 extending into second order circuits, the use of phasors, AC steady-state analysis and frequency-domain analysis. Transform methods of circuit analysis are introduced. PREREQ: EN 221.

Upper Division

EN 301 FLUID MECHANICS (3-0-3SF). Physical properties of fluids; fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and channels. PREREQ: EN 206 and EN 205.

EN 306 MECHANICS OF MATERIALS (3-0-3SF). 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 (3-0-3SF). 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

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). This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula, and may be taken by pre-forestry, pre-dental and pre-medical students. PREREQ: Algebra and Trigonometry.

PH 105 INTRODUCTION TO DESCRIPTIVE ASTRONOMY (3-3-4HF)(Area III). A study of 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 106 RADIOLOGICAL PHYSICS (2-2-3HF). Fundamental concepts of radiation physics involving structure of the atom, radioactivity, electricity, magnetism, and electromagnetic radiation. Includes the physical principles of magnetic resonance and diagnostic ultrasound.

PH 109 (CS 121) 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). A course relating basic 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 (3-1-3HF)(Area III). Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. PREREQ: M 204. Must be concurrently taken or have taken M 205.


PH 223 WAVE MOTION AND HEAT LAB (0-1-3HF)(Area III). A lab designed to be taken concurrently with PH 221. Basic experiments in mechanics, wave motion, sound, optics and heat. PREREQ: PH 220. CoreQ: PH 221.

PH 224 (EN 224) ELECTRICITY AND MAGNETISM LAB (0-1-3HF)(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 (2-0-2SF). 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 (2-6-4HF). 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 (1-3-2S). An introduction to some common devices used to convert energy forms into electrical signals. Included are photomultiplier tubes, photoductive 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)/RF/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)/RF/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)/RF. 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)/RF. 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)/RF/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)/RF. 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)/RF. 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)/RF. Individual reports on selected topics. PREREQ: Senior status.

Department of Theatre Arts
Morrison Center, Room C-100
Telephone (208) 385-3957
Chairman and Professor: Stephen R. Buss; Professor: Lauterbach, Shankweiler; Associate Professor: Ericson; Assistant Professor: Buss.

Degrees Offered
• BA in Theatre Arts
• BA in Theatre Arts, Secondary Education

Program Requirements

THEATRE ARTS
Bachelor of Arts Degree

General University Requirements except
1. Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
2. Physical Education Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.) 2
3. Area I
   Credits 12
   Intro to Theatre and Art or Music 6
   Dramatic Literature 3
   Elective Literature Course 3
4. Area II
   Credits 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

(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

THEATRE EMPHASIS

1st 2nd
FRESHMAN YEAR

SEM SEM

English Composition E 101-102 3 3
*Physical Education 1 1
Laboratory Science 4 4
*Introduction to Theatre 3 -
*Technical Theatre 4 4
Art or Music - 3
Intro to Use of Books & Libraries - 2

15 17

SOPHOMORE YEAR

*Literature Elective 3 -
*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 0
*Theatre History 3 3
Electives, Upper Division 6 12
*Contemporary Theatre 3 -

12 18

* Departmental Requirements.

SECONDARY EDUCATION EMPHASIS

1st 2nd
FRESHMAN YEAR

SEM SEM

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 -

66
### 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**
  - One of the following: 
    - Expository Composition E 201
    - Creative Writing, Poetry E 205
    - Creative Writing, Fiction E 206
  - Upper Division Electives other than English
  - *Total in English Minor for Theatre Arts Major: 19*

**Courses Applying to Both Disciplines**
- *This requirement cannot be fulfilled by E 297, Special Topics Courses.

**Social Science Elective**
- 3

**Acting**
- 3

**Electives**
- 6

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Foreign Language</td>
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<td><em>Dramatic Literature</em></td>
<td>3</td>
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<tr>
<td><em>Shakespeare</em></td>
<td>3</td>
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<tr>
<td>Speech for Teachers</td>
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<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>Foundations of Education</td>
<td>3</td>
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<tr>
<td>Education Elective TE 307 &amp; 333</td>
<td>4</td>
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<tr>
<td><em>World Drama</em></td>
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**TOTAL:** 16

**SENIOR YEAR**

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<thead>
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<tbody>
<tr>
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<tr>
<td><em>Theatre History</em></td>
<td>3</td>
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<tr>
<td>Secondary School Methods</td>
<td>3</td>
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<tr>
<td>Student Teaching</td>
<td>8</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
</tr>
</tbody>
</table>

**TOTAL:** 16

*Departmental Requirements.*

**Course Offerings**

**TA THEATRE ARTS**

**Lower Division**

- **TA 010 THEATRE SYMPOSIUM (no credit)/FS:** 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 B:** 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)/FS:** 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 production, 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)/FS:** Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of makeup and other technical aspects that influence this particular art. Practical application emphasized.

- **TA 211, 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.

- **Course Options:**
  - **Historical Periods:** Varying courses, offered as needed. See Program of Study for specific course offerings.
  - **Creative Writing:**
    - Creative Writing, Fiction E 205
    - Creative Writing, Poetry E 206
  - **Drama:**
    - Expository Composition E 201
    - Drama Literature
    - World Drama
    - Shakespeare: Tragedies
    - Shakespeare: Histories
    - Shakespeare: Comedies and Romances
  - **Dramatic Literature:**
    - Modern Dramatic Literature
    - Shakespearean Drama
    - Restoration Comedy
  - **Production:**
    - Directing
    - Lighting Design
    - Stage Lighting Design
    - Costume Design
  - **Technical Theatre:**
    - Technical Theatre
    - Technical Theatre (3-4-4)/FS
    - Technical Theatre Electives
    - Technical Theatre Electives
  - **Directing:**
    - Directing (3-0-3)/FS
    - Directing electives

**Upper Division**

- **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 moving 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)/FS:** 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)/FS:** 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)/FS:** 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.

**Social Science Elective**
- 3

**Educational Psychology**
- 3

**Dramatic Literature**
- 3

**World Drama**
- 3

**Creative Writing, Fiction**
- 3

**Creative Writing, Poetry**
- 3

**Expository Composition**
- 3

**Department Drama Courses**
- 6

**Total:** 24
The State Board of Education has designated the social sciences and public affairs as primary emphasis areas for Boise State University. In 1984 the School of Social Sciences and Public Affairs was established to meet this responsibility. The school contains six academic departments:

- Communication
- History
- Military Science
- Political Science
- Social Work
- Sociology, Anthropology, and Criminal Justice Administration

These departments offer eighteen undergraduate degree programs. The school also cooperates with other units of the University in planning and conducting public affairs programs for students and the public. Included among such activities is the annual Frank Church Conference on Public Affairs, which brings distinguished national and international figures to the campus. The school also serves the people of Idaho through providing consulting services and research assistance on public issues.

The school’s location in the state’s population, business, and governmental center provides outstanding opportunities for students, including internships and other educational experiences unique in Idaho.
America's evolution from an industrial to an informational society.

The department has a broad-based program which offers students an opportunity to develop an understanding of the basic processes involved when humans attempt to communicate with one another. We believe that all majors in communication should understand the basic principles and theories about human communication before they specialize in any particular area of communication. It is also our belief that after having gained the basic knowledge, students should be allowed to create programs which are best suited to meet their particular career plans. Therefore, the number of required courses is as limited as possible, and the student, working with an advisor, selects sufficient additional courses to complete the requirements for a major.

A BA in Communication includes a common core of courses required of all Communication majors. Beyond the basic core, students may choose a combined major in Communication-English, or a communication emphasis area. Communication study is enlivened through communication laboratory, the campus newspaper, the campus radio station, forensic activities, and on-the-job opportunities afforded through internships and practica.

Degree Requirements

COMMUNICATION MAJOR
Bachelor of Arts Program

1. Completion of general University requirements for Bachelor of Arts degree as listed in the Part 3 of this Catalog.

2. All majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:
   - Introduction to Communication Studies CM 115 2
   - Perspectives on 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
   - Courses for Area of Emphasis 25-35
   - TOTAL 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 practicum credits may count toward departmental major requirements. Additional internship and practicum credits may count toward general education electives.

COMBINED MAJOR
Communication—English

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

TOTAL 27

ENGLISH

British or American Literature survey 6
Composition above the basic sequence 6
To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or technical writing.

Introduction to Language Study LI 305 3
UD Literature Electives (3 hours in courses before 1800) 12

TOTAL 27

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

Communication emphasis:

Department requirements

COMMUNICATION

Introduction to Communication Studies CM 115 2
Perspectives on Communication CM 201 3
Perspectives on Communication CM 421 3
Communication Seminar CM 498 3
Communication Electives (Upper Division) 10

TOTAL 27

COMMUNICATION MAJOR
Bachelor of Arts Program

Perspectives on Communication CM 421 3
Perspectives of Inquiry CM 116 3
Perspectives of Communication CM 221 3
Perspectives of Communication CM 421 3
Communication Electives (Upper Division) 10

TOTAL 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 credits 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.

(Add Senior Seminar—either CM 498-3 hours or E 498-2 hours)
Total hours: 56 (27 and 27 and 2) or 57 (27 and 27 and 3).

Recommended Programs

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

Interpersonal Communication Emphasis:

1. General University Requirements
2. Departmental Core Requirements
Total credit hours: 9

3. 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
   Total credit hours 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
      Total credit hours 9

   c. Rhetorical Theories CM 321
      Message Analysis and Criticism CM 331
      Contemporary Public Communication CM 332
      Total credit hours 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
      Total credit hours 4-14

TOTAL 45-55

Mass Communication Emphasis:

1. General University Requirements
2. Departmental Core Requirements
Total credit hours: 20

69
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
   Total credit hours ................................................. 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
   Total credit hours ................................................. 9
   c. Departmental Electives
   Total credit hours ................................................. 7-17
   TOTAL 45-55

Secondary Education Emphasis:

1. General University Requirements
2. Departmental Core Requirements
   Total credit hours ................................................. 20
3. Education Requirements: see Department of Teacher Education listing
   in the College of Education in this Catalog.

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 ............................... 6
   Total credit hours ................................................. 20

5. 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
   Total credits ......................................................... 6
   TOTAL 17

6. Nine credits chosen from any of the following:
   Fundamentals of Speech Communication CM 111
   Voice and Diction CM 121
   Listening CM 131
   Mass Communication: Concepts and Perspectives CM 171
   Public Speaking CM 231
   Oral Interpretation CM 241
   Communication in the Small Group CM 251
   Reporting and Newswriting CM 273
   Interviewing CM 307
   Speech Communication for Teachers CM 311
   Rhetorical Theories CM 321
   Message Analysis and Criticism CM 331
   Nonverbal Communication CM 341
   Intercultural Communication CM 351
   Communication Graphics CM 379
   Persuasion CM 412
   Small Group Process CM 341
   Communication Practicum CM 451
   Ethics, Law and Communication CM 461
   Total credits ......................................................... 9
   TOTAL 46

7. Suggested Extra-Department 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
   Total credit hours ................................................. 20
3. Other Required Courses:
   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
   TOTAL 18

4. Suggested Courses, chosen from the following:
   Mass Communication: Concepts and Perspectives CM 171
   Journalistic Communication Practicum CM 372
   Radio-TV Newswriting CM 471
   Feature Writing CM 473
   Critical Writing CM 474
   Public Relations CM 478
   TOTAL 12

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 a special area emphasis should reflect the career plans of the student, and should be made in consultation with an advisor.

Course Offerings

CM COMMUNICATION

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 communication skill. Analysis of variables as they promote or impede the process of listening.
CM 171 MASS COMMUNICATION: CONCEPTS AND PERSPECTIVES (3-0-3)(F/S).
A survey of communication theory as related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication.

CM 201 PERSPECTIVES OF INQUIRY (3-0-3). The nature, sources and tests of knowledge; various 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 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 221 INTERPERSONAL COMMUNICATION (3-0-3). An examination of the nature of human communication. Focuses, through experiential learning, on awareness of self, communicative relationships and context.

CM 231 PUBLIC SPEAKING (3-0-3). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.

CM 241 ORAL INTERPRETATION (3-0-3). Practice in reading prose, poetry, and drama to help the student determine a logical and emotional meaning for a selection, and project that meaning to listeners.

CM 251 COMMUNICATION IN THE SMALL GROUP (3-0-3). A study of human interaction in small groups. Emphasis on actual experience in working in small groups. Includes concepts in planning, preparing, and participating in group discussion and decision making.

CM 273 REPORTING AND NEWS WRITING (3-0-3). Fundamentals of reporting, 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 publica- tion 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 (3-0-3). 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 to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 216, 416.

CM 321 RHETORICAL THEORIES (3-0-3). An examination of theories concerning the complexity of interaction among ideas, messages, and men, including analysis of various message strategies.

CM 322 INTERMEDIATE MANUAL ENGLISH (3-0-3)(S). A continuation in building skills, vocabulary, and expressive signing techniques. A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover educational and social situations. PREREQ: CM 122.

CM 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 dialogue which reflect, reinforce, and alter public opinion.

CM 341 NONVERBAL COMMUNICATION (3-0-3). An examination of the function of non-verbal behavior codes in communication.

CM 351 INTERCULTURAL COMMUNICATION (3-0-3). An 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 with in 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 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 to 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-television 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 PERMINST.

CM 473 FEATURE WRITING (3-0-3). Non-fiction writing for the mass media with emphasis on editorials, personal columns, and reviews of the arts. Alternate years.

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


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 PERMINST.

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: PERMINST.

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: PERMINST.

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: PERMINST.

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: PERMINST.

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 History
Library Building, Room 247  Telephone (208) 385-1255
Chairman and Professor: Warren L. Vinz; Professors: Barrett, Fletcher, Keiser, Lovin, Odahl, Oourada, Sims, Zirinsky; Associate Professors: Buhler, Jones, Lundy; Assistant Professors: Baker, Shallat.

Degrees Offered
- BA, History
- BA, History, Secondary Education
- BA, History, Social Science, Secondary Education
- MA, Education. History emphasis: see the Graduate section of this Catalog for program requirements

Department Statement
The Department of History offers three baccalaureate degree programs: History-Liberal Arts (42 hours of History) History-Secondary Education Option (42 hours of History; 24-32 hours State Teacher Certification requirements); and History-Social Science, Secondary Education Option (minimum 33 hours History, 20 hours each in two Social Sciences, 24-32 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.

Degree Requirements

History-Liberal Arts Option
1. General University Requirements to include:
   * One year of college level Foreign Language. ................. 6-8
   * Language equivalency required by the History Department will be determined by the Department of Teacher Education.
   * American National Government. .................. 3

2. History Requirements:
   - 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
   - Total Lower Division Courses 15
   - History Seminar .................. 3
   - Seminar or Colloquium .................. 3
   - Upper Division History (minimum) .................. 12
   - Additional History Upper Division or nonrequired Lower Division9
   - **Total Other History Courses 27
   - **Majors must have course work distributed between U.S., European and Third World History with at least 12 hours in one area and at least 6 hours in each of the other two.

3. Other Electives .................. 28-36

History-Secondary Education Option
1. General University Requirements:
   - American National Government. .................. 3

2. History Requirements:
   - 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
   - Total Lower Division Courses 15
   - 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
   - **Total Other History Courses 27
   - **Majors must have course work distributed between U.S., European and Third World History with at least 12 hours in one area and at least 6 hours in each of the other two.

3. Education Requirements for State Certification for Secondary Education:
   - To include TE 385 .................. 24-32

4. Other Electives .................. 18-13

History-Social Science-Secondary Education Option
1. Lower Division Courses:
   - U.S. History HY 151, 152 or 251, 252 .................. 6
   - Western Civilization HY 101, 201 or 202, 202 ........... 6
   - Intro to the Study of History HY 210 .................. 3

2. Other History Courses
   - Minimum 15 Upper Division, 3 of those 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 re-
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 early modern era to the present, including the growth of American business, and the emergence of the nation to a world power.

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 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 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)(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)(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 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 102 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 deGualle. HY 102 recommended. Alternate years.

HY 309 THE RENAISSANCE (3-0-3)(F/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 1660. Second Semester: Great Britain from the seventeenth century to the present. 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 ramifications, 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 impact on the Atlantic world, 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)(FS). Traces the 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 334 UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(FS). 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)(FS). 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)(FS). The development of the concept of 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 352 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)(FS). 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)(FS). The frontier as a region in transit from pre-conquest 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 356 HISTORY OF MODERN AFRICA; 1750-Present (3-0-3)(FS). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its impact on the Atlantic world, independence movements and the emergence of the modern African state. Mediterranean, Black and White African states will be included. Alternate years.

HY 360 COLOQUIUM 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 361 COLOQUIUM 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 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 primary sources. Alternate years.

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 423 EUROPEAN DIPLOMATIC HISTORY 1871-Present (3-0-3)(FS). 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 emerging 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)(FS). 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 489 HISTORY SEMINAR (3-0-3).

Department of Military Science (Army ROTC)

Pavilion, Room 2025
Telephone (208) 385-3500
Cadre: Chairman and Professor: Lieutenant Colonel Earl Stock; Assistant Professors: Anderson, Elliott, Munns, Koehler; Instructor: Harlow.

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, or by obtaining 90 military contract hours. 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 the Army;
7. attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year;
8. enlist in the ROTC Control group (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 as a commissioned officer for eight years to include an initial period of active duty of up to four years. If the Army does not require service on active duty, agree to serve an initial period of active duty training of three to six months and remain a member of, and participate satisfactorily in, a Reserve component until the eighth anniversary of such appointment unless sooner relieved under other provisions. Guaranteed Reserve Forces (GRF) assignments are 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.

School of Social Sciences and Public Affairs

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 requirements for this assistance may be selected to serve four years of active duty after commissioning.

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, 18 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 an Army ROTC, the organization of the U.S. Army, 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 the 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.
School of Social Sciences and Public Affairs

Upper Division

**MILITARY SCIENCE INTERNSHIP (V-V-6).** Provides the student with the opportunity to apply the skills they have learned. 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.

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**Department of Political Science & Philosophy**

Administration Building, Room 218  
Telephone (208) 385-1458

*Chairman and Professor:* Dr. Willard M. Overgaard; *Professors:* Brin-  
ton, Donoghue, Moncrief, Raymond, Skilloem; *Associate Professors:* Bar-  
ton, Harbison, Kinney, Schoedinger; *Assistant Professor:* Sallie; *Special Lecturer:* Kuykendall.

**Degrees Offered**
- BA and BS in Political Science
- BA and BS in Political Science, Political Philosophy and Public Law emphasis
- BA and BS in Political Science, American Governmental Systems and Processes emphasis
- BA and BS in Political Science, International Relations emphasis
- BA and BS in Political Science, Public Administration emphasis
- BA and BS in Political Science, Social Science, Secondary Education emphasis
- BA in Philosophy
- Master of Public Administration: see Graduate section of this Catalog for program requirements.

**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.

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**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
- Contemporary Political Ideologies PO 141
- International Relations PO 231
- Political Behavior PO 298
- Senior Seminar (Scope & Meth of Poli Sci) PO 498
- Lower Division Electives (Select one requisite to the appropriate area of emphasis):
  - State and Local Government PO 102
  - Public Policy PO 220
  - Comparative European Govt & Politics PO 229

The course requirements applicable to each of the four designated areas of emphasis, offered as optional major programs in Political Science, are described below.

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1. **Political Science—Political Philosophy and Public Law Emphasis**

This area of emphasis is designed for those students whose principal interest in Political Science concerns both the fundamental political thought, past and present, in the development of political institutions in society and the systematized legal norms and processes of diverse societies.

   a. General University and Core Requirements
      - Political Science Major Requirements
      - Lower Division Courses
        - American National Government PO 101
        - Contemporary Political Ideologies PO 141
        - Comparative European Govt & Politics PO 229
        - International Relations PO 231
        - Political Behavior PO 298
      - Upper Division Courses
        - American Political Theory PO 331
        - Constitutional Law PO 351
        - International Law PO 421
        - Western Political Theory I PO 441
        - Western Political Theory II PO 442
        - Comparative Legal Systems PO 451
        - Senior Seminar (Scope & Meth of Poli Sci) PO 498

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2. **Political Science—American Governmental Systems and Processes Emphasis**

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

a. General University and Core Requirements

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<tr>
<th>Political Science Major Requirements</th>
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1) LOWER DIVISION

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<th>Lower Division Courses</th>
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<td>American National Government PO 101</td>
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<td>State and Local Government PO 102</td>
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<td>Contemporary Political Ideologies PO 141</td>
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<td>International Relations PO 231</td>
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<td>Political Behavior PO 298</td>
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2) UPPER DIVISION

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<th>Upper Division Courses</th>
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<tr>
<td>American Parties &amp; Interest Groups PO 301</td>
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<tr>
<td>Public Opinion &amp; Voting Behavior PO 302</td>
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<td>American Chief Executive PO 309</td>
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<td>Legislative Behavior PO 312</td>
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<tr>
<td>American Political Theory PO 331</td>
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<td>Constitutional Law PO 351</td>
<td>3</td>
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<td>Senior Seminar (Scope &amp; Meth of Poli Sci) PO 498</td>
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<td>Political Science Electives</td>
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3. Political Science—International Relations Emphasis

The area of emphasis in International Relations is available for students wishing to attain 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

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<td>Senior Seminar (Scope &amp; Meth of Poli Sci) PO 498</td>
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<td>Political Science Electives</td>
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4. Political Science—Public Administration Emphasis

As an optional area of emphasis in Political Science, the course requirements are designed to provide a broad foundation in the 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

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<td>Public Finance PO 310</td>
<td>3</td>
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<tr>
<td>Administrative Law PO 467</td>
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<td>Intergovernmental Relations PO 469</td>
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<td>Organizational Theory &amp; Bureaucratic Structure PO 487</td>
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<td>Senior Seminar (Scope &amp; Meth of Poli Sci) PO 498</td>
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5. Political Science—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, Anthropology, and Criminal Justice. Each of these departments provides a major emphasis with the Social Science Secondary Option. The following requirements apply for students choosing this option.

1. Must complete a minimum of 30 credits in the subject matter of one of the above departments.
2. Must complete a minimum of 15 credits in each of two of the social sciences.
3. Must complete six additional credits in U.S. History for certification requirements.
4. Must complete 3 credits in American National Government for certification requirements.

See the department listings for each of these departments for additional information.

30 Credit Hour Program—24 Credit Hours Required Courses:

1. LOWER DIVISION

| 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 |

2. UPPER DIVISION

| American Parties and Interest Groups PO 301 | 3 |
| Intro to Public Administration PO 303 | 3 |
| American Chief Executive PO 309 | 3 |
| Legislative Behavior PO 312 | 3 |
| American Political Theory PO 331 | 3 |
| Western Political Theory I or II, PO 441 or 442 | 3 |
| Constitutional Law PO 351 | 3 |
| Political Science Electives | 6 |

15 Credit Hour Emphasis—12 Credit Hours Required Courses:

1. LOWER DIVISION

| American National Government PO 101 | 3 |
| Contemporary Political Ideologies PO 141 | 3 |
| Comparative European Government & Politics PO 229 | 3 |
| International Relations PO 231 | 3 |

2. UPPER DIVISION

| American Parties and Interest Groups PO 301 | 3 |
| Introduction to Public Administration PO 303 | 3 |
| American Chief Executive PO 309 | 3 |
| Constitutional Law PO 351 | 3 |
| Upper Division Electives | 3 |

| |
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).

1. LOWER DIVISION
   - American National Government PO 101 .................................................. 3
   - Contemporary Political Ideologies PO 141 ................................................ 3
   - Comparative European Govt & Politics PO 229 ........................................... 3
   - International Relations PO 231 ................................................................. 3

2. UPPER DIVISION
   - Upper Division Electives ............................................................................ 6

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:

1. PY 101, Introduction to Philosophy
2. PY 121, Introduction to Logic
3. PY 211, Ethics
4. PY 305, Ancient Philosophy
5. PY 309, Modern Philosophy
6. PY 313, Twentieth Century Analytic Philosophy
7. PY 333, Metaphysics or PY 335, Epistemology
8. 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.


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)(F). 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). Study, administrative organization, functions and problems of governmental units. PREREQ: PO 101.

PO 309 AMERICAN CHIEF EXECUTIVE (3-0-3)(F). Consideration of the importance and involvement of the President in the political and policy-making processes and powers of the Presidency. Presidential campaigns and elections. Role of the President as policy-maker and administrator. Effect of personality of a President on performance in office. PREREQ: PO 101.


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

PO 312 LEGISLATIVE BEHAVIOR (3-0-3)(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-STATE 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 332 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). 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 ideological 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 international 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 INTERNATIONAL RELATIONSHIPS (3-0-3)(F/S). International 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-Q.3). 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-Q.3)(F/S)(Area I). A general introduction to some basic philosophical problems and concepts, with emphasis on selected major philosophers and with an emphasis on philosophical method.

PY 121 INTRODUCTION TO LOGIC (3-Q.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-Q.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-Q.3)(S). 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 385 ANCIENT PHILOSOPHY (3-Q.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 309 MODERN PHILOSOPHY (3-Q.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-Q.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-Q.3)(F). 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-Q.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 EPITHEMEOLOGY (3-Q.3)(S). An investigation of basic problems on 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-Q.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, the nature of beauty. Alternate years.

PY 404 SYMBOLIC LOGIC (3-Q.3)(F). 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 completeness and incompleteness. PREREQ: PY 121. Alternate years.

PY 406 PHILOSOPHY OF SCIENCE (3-Q.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-Q.3)(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-Q.3)(F). An examination of various solutions to the mind/body problem, the problem of the other minds as well as related mental concepts. Problems of action theory may be explored. PREREQ: PY 101. Offered on demand.

Department of Social Work

Education Building, Room 716

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 funding, 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.

Degrees Offered

- BA in Social Work

Degree Requirements

SCHOOL 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
School of Social Sciences and Public Affairs

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

FRESHMAN YEAR

1st SEM 2nd SEM

English Composition E 101-102 ...................................................... 3
Concepts of Biology B 100 ............................................................. 4
Science/Math (Core) ................................................................. 4
History (Core) ................................................................. 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 (Core) ................................................................ 3

16 16

6 7

6 7

15 18

SOCIAL WORK

Junior Social Work Processes SW 201 .............................................. 3
Social Welfare Policy SW 301 ......................................................... 3
Human Behavior in Social Environment SW 321 ............................ 3
Social Work Methods-Casework SW 385 ....................................... 3
Psychology Electives ................................................................. 6
UD Soc. Sci. & Public Affairs Electives ........................................... 6
Lower or Upper Division Electives .................................................. 3

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15 18

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15 17

SENIOR YEAR

Field Work SW 480,481 ................................................................. 5
Senior Seminar SW 498,499 .......................................................... 1
Social Work Methods-Groupwork SW 435 .................................... 3
Social Work Methods-Community Organization SW 430 ............... 3
Lower or Upper Division Electives .................................................. 3
Psychology Elective (U.D.) ............................................................ 3

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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 five clock hours of service per year 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 and all lower division requirements.

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, SO101 and P 101.

SW 380 SOCIAL WORK STATISTICS AND RESEARCH METHODS (3-0-3)(F/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 interwines 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 435 SOCIAL WORK METHODS-GROUP WORK (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 (3-0-5)(F). Sixteen clock hours per week, the student works as a practicing social worker under the 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)(F). 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)(F). 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: Blain, Corbin, Foraker-Thompson, Plew, Walsh.

Degrees Offered

• AA, BA, and BS in Criminal Justice Administration
• BA in Anthropology
• BA in Anthropology, Social Science, Secondary Education
• BA in Multi-Ethnic Studies
• BA in Social Science
• AA in Social Science (MHAFB only)
• BA and BS in Sociology
• BA in Sociology, Social Science, Secondary Education
Department Statement

The Department of Sociology, Anthropology and Criminal Justice Administration is responsible for eight 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

1. Liberal Arts Option
   a. General University and Basic Core Requirements
   b. ANTHROPOLOGY
      Total Requirements ............................................ 42
         1) LOWER DIVISION
            Total Lower Division Courses ................................ 9
            Physical Anthropology AN 101 ............................. 3
            Cultural Anthropology AN 102 ............................... 3
            Intro to Archaeology AN 103 ................................. 3
         2) UPPER DIVISION COURSES
            Total Upper Division Courses ............................... 27
            History of Anthropology AN 401 ........................... 3
            Elementary Social Statistics SO 310 or equivalent .... 3
            Recommended Electives: One year of a foreign language; a computer application course; and LI 305 Introduction to Linguistics.
         c. Specialized Electives
            Upper Division Anthropology Electives .................... 9
   c. State Department of Education Certification Requirements, Social Studies .................................. 9
   d. U.S. History ..................................................... 6
   e. Federal Government ............................................. 3
   f. 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

2. Anthropology—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, Anthropology, and Criminal Justice. Each of these departments provides a major emphasis with the Social Science Secondary Option.

The following requirements apply for students choosing this option.

a. Must complete a minimum of 30 credits in the subject matter of one of the above departments.

b. Must complete a minimum of 15 credits in each of two of the social sciences.

2. Must complete six additional credits in U.S. History for certification requirements.

a. Anthrology Courses
   Total Credits ..................................................... 30
   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.

Criminal Justice Administration

Bachelor of Arts Degree

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

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

Core COURSES: .................................................. Credits
   English Composition E 101-102 ........................................ 6
   Literature ............................................................. 3
   Humanities (Area I) .................................................. 9
   Science or Mathematics (Area III) ................................ 12
   History ................................................................. 3
   Introduction to Financial Accounting AC 205 or 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 Enforcement
   - Defensive Tactics FA 141 ........................................... 1*
   * Must be completed prior to senior year.
   - Law of Criminal Evidence CR 275 .............................. 3
   - Law of Arrest, Search & Seizure CR 276 ....................... 3
   - Police Organization & Management CR 351 ................. 3

2. Courts-Law
   - Intermediate Criminal Procedure CR 201 ..................... 3
   - Criminal Law CR 321 ............................................. 3
   - Federal Criminal Procedure CR 301 ............................. 3
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
   - Theory 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 .............................................. 3

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 Departments of Economics, History, Political Science, and Sociology, Anthropology, and Criminal Justice. Each of these departments provides a major emphasis with the Social Science Secondary Option. The following requirements apply for students choosing this option.

1. Must complete a minimum of 30 credits in the subject matter of one of the above departments.
2. Must complete a minimum of 15 credits in each of two of the social sciences.
3. Must complete six additional credits in U.S. History for certification requirements.
4. Must complete 3 credits in American National Government for certification requirements.

See the department listings for each of these departments for additional information.

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 (Six must be Upper Division) ......................... 12

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

MULTI-ETHNIC STUDIES
Bachelor of Arts Degree

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 traditions, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. Prospective majors may contact Dr. John Jensen, Department of Teacher Education; Dr. P.K. Ourada, Department of History; 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
   Total credits ................................................................. 51
2. Ethnic Studies Requirements:
**Recommended Programs**

**SOCIOLOGY PROGRAM**

Following is a suggested sequence of courses for the Bachelor of Science degree. An asterisk marks each course that is not required, but recommended for a well-rounded program.

### FRESHMAN YEAR

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<tr>
<th>Course</th>
<th>1st SEM</th>
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<tr>
<td>English Composition E 101-102</td>
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<td>Concepts of Biology B-100*</td>
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<td>Cultural Approaches to Math M-100*</td>
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<td>Introduction to Sociology SO 101</td>
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<td>Cultural Anthropology AN 102*</td>
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<td>American National Government PO 101*</td>
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<td>History of Western Civilization HY 101*</td>
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<td>Science Electives for B.S. OR</td>
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### SOPHOMORE YEAR

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<td>General Psychology P 101*</td>
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<td>Theories of Society SO 201</td>
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<td>Computer Applications SO 210</td>
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### JUNIOR YEAR

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<td>Social Research SO 311</td>
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### SENIOR YEAR

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<tr>
<td>History of Sociology SO 401</td>
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<tr>
<td>Contemporary Soc Theory SO 402</td>
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<td>Emphasis: General:Applied</td>
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<td>Sociology Electives</td>
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<td>Sociology Seminar SO 496</td>
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<td>Electives</td>
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**Criminal Justice**

**ASSOCIATE OF SCIENCE PROGRAM (TWO YEAR)**

### FRESHMAN YEAR

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<td>Introduction to Sociology SO 101</td>
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<td>Defensive Tactics FA 141</td>
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**SOPHOMORE YEAR**

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<td><strong>Total Upper Division Credits</strong></td>
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**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, the development of culture 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)(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 early hominid to the rise of complex societies in the Old World. The course is divided into two parts: an introduction to the biology, paleoanthropology and prehistory of early hominids, and an examination of the development of modern human behavior and cultural diversity in the Old World. **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 the Pacific Islands, including Polynesia, Micronesia, Melanesia, and Australia. From Pre-European contact to the present, theories of settlement; cultural diversity; effects of European colonization and World War 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 survey emphasizing the description and analysis of native cultures and the role of environment and historical factors in North America. **PREREQ:** Upper Division status or PERM/INST.

**AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)(F/S).** A general world-wide survey of selected non-industrial cultures with emphasis on cultural diversity, cultural adaptation, historical development and results of contact with the Industrial World. **PREREQ:** AN 102, Upper Division status or PERM/INST.

**AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S).** A 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 a 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 313 INDIAN PEOPLES OF IDAHO (3-0-3)(F/S).** A study of the prehistoric 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 pre-columbian civilizations of Latin America with emphasis on those of...
School of Social Sciences and Public Affairs

Mexico and Central America, particularly the Maya and Aztec. PREREQ: Upper division status or PERM/INST.

AN 325 HUMAN VARIATION (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 presenting 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 examined. 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). 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 nature 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 337 CORRECTIONS IN THE COMMUNITY (3-0-3)(S). Development, organization, operation and results of post-conviction criminal justice rehabilitative 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 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)(F/S). Seven year 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). 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. The application of research methods 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/BIS 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 reassess his/her own values in reference to the problems under consideration.

SO 121 DATING AND MARRIAGE (3-0-3). An informative study and discussion of mate selection, marital relationships and adjustments, and related subjects, each exploited at length in popular culture but usually ignored as a cultural aspect of educational processes and institutions. The application of anthropological method and theory to the problems under consideration.

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). 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). The objective of this course is 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). 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.
School of Social Sciences and Public Affairs

AN 421 SEMINAR IN ARCHAEOLOGY (3-0-3)(S). A survey of the philosophical and theoretical foundations of archaeology. Includes the developments in methodology and technical advances as applied to archaeological research. PREREQ: AN 103. Upper division status or PERM/INST. Alternate years.

AN 430 APPLIED ANTHROPOLOGY (3-4-3)(F/S). Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Both the positive and negative impact of cultural change will be examined. Also considered is the application of anthropological concepts in contemporary societies and institutions. PREREQ: An 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 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 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 362 CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F)(Cross list SO 362). An in-depth study of correctional institutions and their organization, development, and administration. This course will draw from the literature of correctional administration, prison theory, criminology and penology. PREREQ: Upper division CJA standing.

CR 380 INTRODUCTION TO CRIMINALISTICS (3-0-3)(F). An introduction to the field of scientific evidence as an integral part of criminal investigation and prosecution. Examines the basic sciences related to criminalistics and their applications to criminal investigations and court proceedings. PREREQ: CR 231. Alternate years with CR 451.

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S). 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 comparison of the criminal justice system. 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 413, 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 and 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 introductory study of mate selection, marital relationships and adjustments, parenthood and related subjects, each explored at length in popular culture but usually ignored as a serious subject of academic examination. This course will focus on the sociological perspective on marriage in a changing society.

SO 201 THEORIES OF SOCIETY (3-0-3)(F). Introduction to the major theoretical 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 and interpretative contributions of Sociology towards an understanding of the nature and causes 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)(S). The objectives of this course are (a) to develop an understanding of computer applications to social science data and (b) to provide students with 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)(F/S/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 delves into the depth 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 quantitative methods 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 fundamental principles of sociological 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-Marxism and Elitist theory. PREREQ: SO 101 and Upper Division Standing, Alternate Years.

SO 325 SOCIOLOGY OF AGING (3-0-3)(F). 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
I was initially recognized as a separate perspective within Social Science. Major SO 401 HISTORY OF SOCIOLOGY (3-0-3)(F). Examination of the intellectual and political participation in the U.S. This course will examine the pluralistic insights of sociological writers of this period. PREREQ: SO 101, upper division status.

SO 340 SOCIOLOGY OF THE FAMILY (3-0-3)(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)(S). The social organization of work is examined in historical and contemporary perspectives. PREREQ: SO 101, upper division standing.

SO 362 (CR 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 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 403 SOCIAL CHANGE (3-0-3)(F). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper division standing. 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 418 SOCIAL INEQUALITY (3-0-3)(F). 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; consumption and poverty; public policy and the politics of wealth and welfare. PREREQ: SO 101 and Upper Division Status. Alternate years.

SO 425 URBAN COMMUNITY AND PLANNING (3-0-3)(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 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURE (3-0-3)(F). 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, PERMAINST.

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 strategic objective is to attain an increasing level of quality in its degree and nondegree programs, research and service so as to:

- Fulfill the expectations established by its designation as the program of primary emphasis in business and economics in the State;
- ...and
- Merit 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...
College of Business

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 101-102, Mathematics M 105-106, Economics EC 201-202, Accounting AC 205-206, Legal Environment of Business GB 202, 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 designation “Core Electives” appears, refer to the allowed listing of courses in the Degree Requirements (Core) section of this Catalog. Where the designation “Non-Business Electives” appears, lower or upper division courses are to be chosen in any discipline other than those administered in the College of Business, but must include hours from at least two of the three defined areas: Area I, II, or III. The designation “Free Electives” refers to those hours which may be earned in courses offered by the College of Business or other academic units.

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

The College of Business 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.

The Accounting program provides thorough training in accounting, general business, and economics, along with abroad 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 general university requirements, the following courses are required for an Accounting major:


Plus any two of the following: 352, 402, 405, 406, 460, 470.

Recommended Program

ACCOUNTING PROGRAM
Bachelor of Business Administration Degree

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>English Composition F 101-102</td>
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<td>Mathematics M 105-106 or M 111-204</td>
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<tr>
<td>Core Electives (Area I, II)</td>
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<tr>
<td>Non-business electives</td>
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<td><strong>Total</strong></td>
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| **SOPHOMORE YEAR** | |
| Intro to Financial Accounting AC 205 | 3 |
| Intro to Managerial Accounting AC 206 | 3 |
| Principles of Economics EC 201-202 | 3 |
| Intro to Information Science IS 210 | 3 |
| Statistical Techniques I DS 207 | 3 |
| Legal Environment of Business GB 202 | 3 |
| Core Elective (Area III) | 4 |
| **Total** | 17 |

| **JUNIOR YEAR** | |
| Intermediate Accounting I,II AC 304-306 | 3 |
| Cost Accounting AC 351 | 3 |
| Advanced Analysis & Audit of Accounting Information Systems AC 420 | 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 |

| **SENIOR YEAR** | |
| Principles of Income Taxation AC 401 | 3 |
| Commercial Law GB 302 | 3 |
| Organizational Behavior MG 401 | 3 |
| Business Policies GB 450 | 3 |
| General Electives | 7 |
| Accounting Theory AC 440 | 3 |
| Accounting Electives | 3 |
| **Total** | 15 |

| **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) | 3 |
| Recruiting for employment (50-100 hours) | 3 |

Core Courses: The following courses (or permission of the instructor are prerequisites for all Upper Division Accounting courses: AC-205, 206, E-101,102, EC 201-202, DS-207, IS-210, plus M-106 or M-204.

Course Offerings

**AC ACCOUNTING**

**Lower Division**

AC 205 INTRODUCTION TO FINANCIAL ACCOUNTING (3-0-3). Introduction to financial accounting, the accounting cycle. Emphasis is on understanding the basic terminology and theoretical framework of the double entry system.

AC 206 INTRODUCTION TO MANAGERIAL ACCOUNTING (3-0-3). Introduction to managerial accounting, cost behavior analysis, cost-volume-profit relationships, and the cost-volume-profit model.

**Upper Division**

AC 304 INTERMEDIATE ACCOUNTING I (3-0-3). Continuation of AC-204. Operational, fixed and intangible assets are covered. Concepts of current and non-current assets are included. PREREQ: AC-206.

AC 306 INTERMEDIATE ACCOUNTING II (3-0-3). Continuation of AC-304. Operational, fixed and intangible assets are covered. Concepts of current and non-current assets are included. PREREQ: AC-206.

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). 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). 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). 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 profit, and an introduction to partnerships, trust and estate and gift taxation. PREREQ: AC-306, AC-401.

AC 405 AUDITING (3-0-3). 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 406 AUDITING—SPECIAL PROBLEMS (3-0-3). This course is reserved for in-depth study of particular problems in auditing. The topics change to cope with the dynamic nature of the profession. PREREQ: AC 405 or PERM/INST.

AC 420 ANALYSIS, DESIGN, AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3). This course provides a study of alternative accounting information systems. The primary focus of this course is on the design, analysis, and audit of computerized accounting systems. There is a heavy emphasis on controls that can be designed into a system to prevent and detect errors. PREREQ: AC-304, PERM/INST.

AC 440-440G ACCOUNTING THEORY (3-0-3). 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 NOT-FOR-PROFIT ACCOUNTING (3-0-3). Topics taught in this course include principles of accounting and financial reporting for not-for-profit organizations; fund and fiduciary accounting; budgetary procedures; financial statement analysis. PREREQ: AC 306.
AC 470 ADVANCED ACCOUNTING (3-0-3) (F/S). Topics covered in this course include partnership organization, business combinations and consolidated financial statements; international accounting standards. PREREQ: AC 306.

AC 482 CPA PROBLEMS (6-0-6). 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: Billings, Lamborn, Lichtenstein, Payne, Reynolds; Associate Professor: Draayer; Assistant Professors: Dalton, McGrath; Special Lecturers: Eberle, Loegering

Degrees Offered
- BA in Economics
- BA in Economics, Social Science, Secondary Education
- BBA in Economics
- BBA in Real Estate

Degree Requirements
ECONOMICS MAJOR
SOCIAL SCIENCE OPTION Bachelor of Arts Degree

The Social Science Secondary Education Option Degree programs are cooperative, interdisciplinary programs involving the Departments of Economics; History; Political Science; and Sociology, Anthropology, and Criminal Justice. Each of these departments provides a major emphasis with the Social Science Secondary Option. The following requirements apply for students choosing this option.

1. Must complete a minimum of 30 credits in the subject matter of one of the above departments.
2. Must complete a minimum of 15 credits in each of two of the above departments.
3. Must complete six additional credits in U.S. History for certification requirements.

See the department listings for each of these departments for additional information.

1. TOTAL Requirements
   General University and Major Requirements ..................... 128
2. LOWER DIVISION
   Lower Division Courses (Total) ..................... 54
   English Composition E101, E102 or E111, E112 ..................... 6
   Literature (Area I Core) ..................... 6
   Introduction to Philosophy PY101 ..................... 3
   Other Arts and Humanities (Area I) Core Courses* ..................... 6
   Principles of Economics EC201, EC202 or EC202H, EC202H ..................... 6
   History of Western Civilization HY 101, 102 or Problems of Western Civilization HY201, 202 ..................... 6
   Social Science (Area II) Core Course other than HY or EC ..................... 3
   Math M105, M106 or M111, M204 ..................... 8
   Natural Science (Area III Core) ..................... 4
   Accounting AC205 ..................... 3
   Statistical Techniques DS207 ..................... 3
   Introduction to Information Science IS210 ..................... 3
3. UPPER DIVISION
   Upper Division Courses (Total) ..................... 42
   Intermediate Microeconomics EC303 ..................... 3
   Intermediate Macroeconomics EC305 ..................... 3
   History of Economic Thought EC311 ..................... 3
   Econometrics EC421, EC422 ..................... 6
   Economics Electives ..................... 12
   Upper-division social science electives** ..................... 15
4. ELECTIVES
   Electives: Lower or Upper division*** ..................... 3

* Must include at least one Area I field other than literature or philosophy.
** Selected from philosophy, political science, sociology, anthropology, geography, or history.
*** Among these courses must be at least 6 credits in Arts and Humanities (Area II) or Non-economics Social Sciences (Area I). These courses need not be chosen from the list of core courses. They may be either lower- or upper-division.

Those students considering or planning on graduate study in economics should complete a calculus sequence (M204-206 or M211-212) and linear algebra (M-301).

Recommended Program

<table>
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<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
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<tr>
<td>English E101-102 or E111-112</td>
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ECONOMICS MAJOR
QUANTITATIVE OPTION Bachelor of Arts Degree

1. TOTAL Requirements
   General University and Major Requirements ..................... 128
2. LOWER DIVISION
   Lower Division Courses (Total) ..................... 53 or 56
   English Composition E101, E102 or E111, E112 ..................... 6
   Literature (Area I Core) ..................... 3
   Introduction to Philosophy PY101 ..................... 3
   Other Arts and Humanities (Area I) Core Courses* ..................... 6
   Principles of Economics EC201, EC202 or EC202H, EC202H ..................... 6
   History of Western Civilization HY 101, 102 or Problems of Western Civilization HY201, 202 ..................... 6
   Social Science (Area II) Core Course other than HY or EC ..................... 3
   Math M105, M106 or M111, M204 ..................... 8
   Natural Science (Area III Core) ..................... 4
   Accounting AC205 ..................... 3
   Statistical Techniques DS207 ..................... 3
   Introduction to Information Science IS210 ..................... 3
   Calculus and Analytical Geometry M204, M205, M206 or Accelerated Calculus M211, M212 ..................... 13 or 10
   Natural Science (Area III Core) ..................... 4
   Accounting AC205 ..................... 3
   Introduction to Information Science IS210 ..................... 3
3. UPPER DIVISION
   Upper Division Courses (Total) ..................... 43 or 45
   Intermediate Microeconomics EC303 ..................... 3
   Intermediate Macroeconomics EC305 ..................... 3
   History of Economic Thought EC311 ..................... 3
   Econometrics EC421, EC422 ..................... 6
   Economics Electives ..................... 12
### Recommended Program

**FRESHMAN YEAR**
- **1st SEM**
  - Economics E101-102 or E111-112 3
  - Math M204-206 or M211-212 5-5
  - History HY101-102 OR 201-202 3
  - Philosophy PY101 3
  - Area I core (third field) 3
  - Electives 3
- **2nd SEM**
  - Economics E101-102 or E111-112 3
  - Math M204-206 or M211-212 5-5
  - History HY101-102 OR 201-202 3
  - Philosophy PY101 3
  - Area I core (third field) 3
  - Electives 3

**TOTAL** 16-16

**SOPHOMORE YEAR**
- **1st SEM**
  - Economics EC201-202 or EC201H-202H 3
  - Area I core (Literature) 3
  - Area III core (Science) 3
  - Information Sc IS210 3
  - Accounting AC205 3
  - Area I core 3
  - Area II core (except EC or HY) 3
  - Math M206 or Elective 4-3
  - Electives 3
- **2nd SEM**
  - Economics EC201-202 or EC201H-202H 3
  - Area I core (Literature) 3
  - Area III core (Science) 3
  - Information Sc IS210 3
  - Accounting AC205 3
  - Area I core 3
  - Area II core (except EC or HY) 3
  - Math M206 or Elective 4-3
  - Electives 3

**TOTAL** 16-16

**JUNIOR YEAR**
- **1st SEM**
  - Intermied Micro EC303 3
  - Intermied Macro EC305 3
  - Hist Econ Thght EC311 3
  - Economics Electives 3
  - Linear Algebra M301 4
  - Stat DS-208 (if M361 not taken) or Elective 3
  - UD Math or Dec Sci 3-4
  - Elective 3
- **2nd SEM**
  - Intermied Micro EC303 3
  - Intermied Macro EC305 3
  - Hist Econ Thght EC311 3
  - Economics Electives 3
  - Linear Algebra M301 4
  - Stat DS-208 (if M361 not taken) or Elective 3
  - UD Math or Dec Sci 3-4
  - Elective 3

**TOTAL** 16-16

**SENIOR YEAR**
- **1st SEM**
  - Econometrics EC421-422 3
  - Economics Electives 3
  - UD Math or Dec Sci 3
  - Area I or II Elective 3
  - Electives 3
- **2nd SEM**
  - Econometrics EC421-422 3
  - Economics Electives 3
  - UD Math or Dec Sci 3
  - Area I or II Elective 3
  - Electives 3

**TOTAL** 18-16

**ECONOMICS—SOCIAL SCIENCE**

**SECONDARY EDUCATION OPTION**

Bachelor of Arts Degree

1. **TOTAL Requirements**
- General University and Major Requirements 128

2. **LOWER DIVISION**
- Lower Division Courses (Total) 54 or 55
- English Composition E101, E102 or equivalent 6
- Other Arts and Humanities (Area I) Core Courses 6
- Principles of Economics EC201, EC202 or EC201H, EC202H 6
- Non-Economics Social Science (Area II) Core Courses 6
- Math M105, M106 or M111, M204 8 or 9
- Natural Sciences (Area III Core) 4
- Accounting AC205, AC206 3
- Introduction to Information Science IS210 3
- Legal Environment of Business GB202 3
- Statistical Techniques DS207, DS208 6

3. **UPPER DIVISION**
- Upper Division Courses (Total) 48
- Intermediate Microeconomics EC303 3
- Intermediate Macroeconomics EC305 3
- History of Economic Thought EC311 3
- Econometrics EC421, EC422 6
- Economics Electives 12
- Business Communications AS328 3
- Principles of Management MG301 3
- Principles of Finance FI303 3
- Principles of Production Management DS345 3
- Organizational Behavior MG401 3
- Business Policies GB450 3

4. **ELECTIVES**
- Electives—Lower- or Upper-division (Total) 25 or 26
- Non-business electives 16
- Free Electives 9 or 10

*Must include courses from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics) although the selections need not be chosen from the list of University core courses.

*Those students considering or planning on graduate study in economics should complete a calculus sequence (M204-206 or M211-212) and linear algebra (M-301).*

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**Recommended Program**

**FRESHMAN YEAR**
- **1st SEM**
  - English E101-102 or E111-112 3
  - Math M105-106 or M111-204 4-5
  - Area I core 3
  - Area II core (Non-economics) 3
  - *Non-business Electives (Area I, II, III)* 3
- **2nd SEM**
  - English E101-102 or E111-112 3
  - Math M105-106 or M111-204 4-5
  - Area I core 3
  - Area II core (Non-economics) 3
  - *Non-business Electives (Area I, II, III)* 3

**TOTAL** 16-17

**SOHOMORE YEAR**
- **1st SEM**
  - Economics EC201-202 or EC201H-202H 3
  - Area III core (Science) 3
- **2nd SEM**
  - Economics EC201-202 or EC201H-202H 3
  - Area III core (Science) 3

**TOTAL** 18-16
College of Business

Intro to Financial Acctg AC 205 ........................................... 3
Intro to Managerial Acctg AC 206 ......................................... 3
Leg Env Thght EC 311 ........................................................... 3
Bus Comm AS 328 ............................................................... 3
Prin Prod Mgmt DS 345 ........................................................ 3
*Non-business Electives (Area I, II, III) .................................... 3
TOTAL 15 16

JUNIOR YEAR

Intermediate Micro EC 303 ...................................................... 3
Intermediate Macro EC 305 ..................................................... 3
Hist Econ Thght EC 311 ......................................................... 3
Prin Mgmt and Org Theory MG 301 ......................................... 3
Prin Finance FI 303 ............................................................... 3
Prin Marketing MK 301 .......................................................... 3
Prin Prod Mgmt DS 345 ........................................................ 3
*Non-business Electives (Area I, II, III) .................................... 3
TOTAL 15 16

SENIOR YEAR

Economics EC 421-422 ......................................................... 3
Economics Electives ............................................................ 6
Org. Behavior MG 401 .......................................................... 3
Business Policies GB 450 ....................................................... 3
Free Electives ........................................................................ 4-5 5-6
TOTAL 16-17 17-18

* Must include courses in at least two of the three Areas I, II, III.

REAL ESTATE MAJOR
Bachelor of Business Administration Degree

1. TOTAL Requirements
   General University and Major Requirements 128

2. LOWER DIVISION
   Lower Division Courses (Total) .......................................... 57
   English Composition E 101, E 102 or equivalent .................... 6
   Other Arts and Humanities (Area I) Core Courses .................... 3
   Principles of Economics EC 201, EC 202 or EC 201H, EC 202H .. 6
   Fundamentals of Speech Communication CM 111 ................. 3
   General Psychology P 101 .................................................... 3
   Math M 105, M 106 or M 111, M 204 ................................... 8
   Natural Science (Area III Core) ........................................... 4
   Fundamentals of Real Estate RE 201 .................................... 4
   Law of Real Estate RE 220 ................................................... 3
   Accounting AC 205, AC 206 ................................................. 6
   Introduction to Information Science IS 210 ......................... 3
   Legal Environment of Business GB 202 ................................ 3
   Statistical Techniques DS 207 .............................................. 3
   TOTAL 45

3. UPPER DIVISION
   Upper Division Courses (Total) ........................................... 45
   Appraisal of Real Estate RE 331 ......................................... 3
   Real Estate Investment and Taxation RE 340 .......................... 3
   Real Estate Finance RE 360 ................................................. 3
   Real Estate Electives* ....................................................... 6
   Intermediate Microeconomics EC 303 .................................... 3
   Regional Economics EC 321 ............................................... 3
   Business Communications AS 328 ....................................... 3
   Management and Organizational Theory MG 301 .................... 3
   Principles of Marketing MK 301 ......................................... 3
   Principles of Finance FI 303 ............................................... 3
   Principles of Production Management DS 345 ...................... 3
   Organizational Behavior MG 401 ........................................... 3
   Business Ethics GB 450 ..................................................... 3
   Business Policies GB 450 ................................................... 3
   TOTAL 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.

Recommended Program

FRESHMAN YEAR

   English Composition E 101-102 ......................................... 3
   Fund of Speech Communication CM 111 .............................. 3
   Math M 105-106 or M 111-204 ......................................... 4 4
   Electives (Area I) ............................................................. 3
   TOTAL 15 16

SOPHOMORE YEAR

   Science Elective (Area III) ................................................ 4
   Intro to Fin Acctg AC 205 .................................................. 3
   Intro to Man Acctg AC 206 ................................................. 3
   Prin of Econ EC 201-202 .................................................... 3
   Intro to Info Sc IS 210 ....................................................... 3
   Leg Env of Bus GB 202 ...................................................... 3
   Law of Real Estate RE 220 .................................................. 3
   Statistical Tech I DS 207 .................................................... 3
   Gen Elect (Area I, II, III) ................................................... 4
   TOTAL 16 16

JUNIOR YEAR

   Int Micro EC 303 ............................................................. 3
   Regional Econ EC 321 ....................................................... 3
   Prin of Mktg MG 301 .......................................................... 3
   Mgmt & Organ Theory MG 301 .......................................... 3
   Prin of Fin FI 303 ............................................................. 3
   RE Finance RE 360 ........................................................... 3
   Appr of RE RE 331 ........................................................... 3
   Bus Ethics and Social Responsibility GB 360 ....................... 3
   Gen Elect (Area I, II, III) ................................................... 4
   Bus Com AS 328 .............................................................. 3
   TOTAL 18 16

SENIOR YEAR

   Organ Behav MG 401 ........................................................ 3
   Prin of Prod Mgt DS 345 ..................................................... 3
   Real Estate Inv & Tax RE 340 ............................................. 3
   Bus Policies GB 450 .......................................................... 3
   *Major Elective ............................................................... 6
   Gen Elect (Area I, II, III) ................................................... 3
   Gen Electives ................................................................. 3
   TOTAL 15 15

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.

Upper Division

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). 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 (PO 310) PUBLIC FINANCE (3-0-3). 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). 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). 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). The benefits and patterns 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). 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). 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). 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). 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). The theoretical and policy issues associated with the use of natural resources are addressed, including property rights issues which arise when considering collective goods, externalities and common property resources. Tools used in the design and evaluation of resource policy, such as benefit/cost analysis, are covered. PREREQ: EC 202.

EC 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). 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 forecast economic activity. May be taken for graduate credit. EC 421G-Fall; EC 422G-Spring. EC 421 is PREREQ for EC 422.

RE REAL ESTATE

RE 201 FUNDAMENTALS OF REAL ESTATE (3-0-3). 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). 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: CR 202 and RE 201.

RE 311 APPRAISAL OF REAL ESTATE (3-0-3). Modern real estate appraisal 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). Real Estate from the investor'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). 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). 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). The traditional development process, including market analysis, feasibility study, land acquisition, zoning, layout and design, review financing, construction, occupancy, and sales. 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). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an estimate 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). 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.

Department of Information, Decision Science & Finance

Chairman and Associate Professor: Emerson C. Maxson; Professors: Brender, Groenbner, Stitzel; Associate Professors: Frankle, Gallup, Gardner, Gill, LaCava, Shannon, Warberg Visiting Associate Professor: Freeman; Assistant Professors: Capell, Wojtkowski (O), Wojtkowski (W); Special Lecturers: Brown, Cavaiani, Seydel.

Degrees Offered

• BBA, BA, and BS in Computer Information Systems
• BBA, BA, and BS in Finance
• BBA, BA, and BS in Quantitative Management
• BBA, BA, and BS in Production Management

Recommended Programs

The Finance curriculum is designed with major emphasis in three areas of finance: corporate finance, investment and portfolio management, and financial institutions and markets. The student can select a general program or may concentrate course selection around the broad areas of finance. The course offerings are preparation for financial decisions making utilizing accounting and market information within a framework.
College of Business

of economic theory. A major in the area of finance prepares students to deal with a wide range of financial situations, including those which concern businesses, financial institutions, individuals, and government.

FINANCE MAJOR
Bachelor of Business Administration Degree

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<th>Year</th>
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<td>English Composition E 101-102</td>
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<td>Intro to Managerial Accounting AC 206</td>
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<td>Intro to Information Sciences IS 210</td>
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<td>Management &amp; Organizational Theory MG 301</td>
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Major elective in Accounting, Economics, Real Estate or Finance, advisor approval required.

COMPUTER INFORMATION SYSTEMS MAJOR
Bachelor of Business Administration Degree

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PRODUCTION MANAGEMENT MAJOR
Bachelor of Business Administration

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*Production Management Elective: Compensation Management, MG 406; Fluid Mechanics, EN 301; Labor Relations, MG 340; Labor Law, MG 330; Thermodynamics and Heat Transfer, EN 320.

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### QUANTITATIVE MANAGEMENT MAJOR

Bachelor of Business Administration

**Course Offerings**

#### DS DECISION SCIENCE

<table>
<thead>
<tr>
<th>Lower Division</th>
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<tbody>
<tr>
<td>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 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.</td>
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<tr>
<td>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.</td>
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<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
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</table>

| DS 408-409G 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 409-409G OPERATIONS DECISIONS AND CONTROLS (3-4-3)(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 208 PERSONAL FINANCE (3-0-3)(F). (Formerly FI 108, Personal Finance.) This course addresses the growing sophistication of financial decisions 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 231 PRINCIPLES OF INSURANCE (3-0-3)(F). (Formerly FI 217, Principles of Insurance.) 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 PERSONAL INVESTING (3-0-3)(F). The basic mechanics and principles of investing are introduced to acquaint students with investment vehicles, markets, and processes. Other topics will include speculation, options, and commodities. This course may not serve as a finance elective. |

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<tr>
<td>FI 303 PRINCIPLES OF FINANCE (3-0-3)(F). An introductory course focusing on financial management for business concerns. Topics include: allocation of resources for investment in short- and long-term assets, decisions with respect to debt and equity financing, and dividend policy. Lectures and reading are blended with problems and cases for class discussion, and securities. PREREQ: College of Business UD Standing, or PERM/INST.</td>
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<tr>
<td>FI 410-410G WORKING CAPITAL MANAGEMENT (3-0-3)(S). (Formerly FI 325, Financial Management I.) This course considers the short-term financial management of a firm. Financial analysis of past, present, and future operations is emphasized. Cash flow analysis, management of current accounts and cost benefit analysis are stressed. Case discussions provide a merging of theoretical concepts and practical application. PREREQ: Upper Division Standing, or FI 303.</td>
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<tr>
<td>FI 411-411G CAPITAL BUDGETING AND PLANNING (3-0-3)(F). (Formerly FI 326, Financial Management II.) Acquisition and allocation of long-term sources of funds are the subject of this course. Emphasis is placed on fund-raising and the problems associated with measurement and structural influences on the firm’s cost of capital. Cash flow analysis and alternative investment decision rules are examined. Cases are used for classroom discussion as a link between theory and practice. PREREQ: Upper Division Standing, FI 303, DS 208.</td>
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<tr>
<td>FI 420-420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F). (Formerly FI 417, Management of Financial Institutions.) The interaction between financial institutions and financial markets are examined and their roles in the economy are discussed. Emphasis is placed on the changes taking place within the financial community and the effects on financial institutions in general and commercial banking in particular. PREREQ: Upper Division Standing, FI 303, EC 301.</td>
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<tr>
<td>DS 20B, DS 266, DS 366, MG 301, and options and the theory of hedging using both agricultural and financial commodities. This course may not serve as a finance elective.</td>
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| DS 20B, DS 266, DS 366, MG 301, and options and the theory of hedging using both agricultural and financial commodities. This course may not serve as a finance elective. |

| DS 20B, DS 266, DS 366, MG 301, and options and the theory of hedging using both agricultural and financial commodities. This course may not serve as a finance elective. |
College of Business

tion of theory and practice will be sought relying on lecture, text material, journal and trade articles, and guest speakers. PREREQ: Upper Division Standing, FI 450.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3) (FS). 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) (FS). Management Information Systems is the framework tying decision makers together in an organization. This course must describe the system's development process including: (1) feasibility study; (2) requirements definition; (3) system alternatives; (4) selection of alternatives; (5) system design; (6) development and testing; and (7) system implementation.

IS 220 PROGRAMMING TECHNIQUES (3-0-3) (FS). An introduction to computer programming in a business environment. Emphasis on the fundamentals of structured program design, development, testing, implementation, and documentation of common business-oriented applications using BASIC. Discussion and application of top-down design strategies and structured programming techniques. PREREQ: IS 210.

Upper Division

IS 360 PROGRAMMING SYSTEMS—COBOL I (3-0-3) (FS). An introduction to COBOL programming in a business environment. Emphasis on the further application of structured 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: Dr. Bong-Gon Shin; Professors: Kelly, Phillips, Pitts, Willard; Associate Professors: Bigelow, Bixby, Glen, Kettlewell, Waldorf, Wines; Special Lecturer: Jameson.

Degrees Offered
• BBA, BA, and BS in General Business Management
• BBA, BA, and BS in Management, with options in Behavioral, and Industrial Relations.

Recommended Programs

GENERAL BUSINESS MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR

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MANAGEMENT MAJOR

TRANSPORTATION OPTION
Bachelor of Business Administration

FRESHMAN YEAR

<table>
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<th>1st SEM</th>
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<td>Legal Environment of Business GB 202</td>
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JUNIOR YEAR

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96
### Bachelor of Business Administration

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### MANAGEMENT MAJOR

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### Course Offerings

#### AVIATION MANAGEMENT

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<tr>
<td><strong>AV 101 INTRODUCTION TO AERONAUTICS</strong> (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.</td>
<td></td>
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<tr>
<td><strong>AV 201 COMMERCIAL PILOT GROUND SCHOOL</strong> (3-0-3). Study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. <strong>PREREQ:</strong> Private pilot certificate.</td>
<td></td>
</tr>
<tr>
<td><strong>AV 205 INTRODUCTION TO AVIATION MANAGEMENT</strong> (3-0-3/F/S). Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower and career opportunities in the field are featured.</td>
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### Lower Division

<table>
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<tr>
<th>Course Offering</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>AV 331 AIRPORT MANAGEMENT</strong> (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. <strong>PREREQ:</strong> AC 205.</td>
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</table>
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 450 SEMINAR IN AIR TRANSPORTATION (3-0-3)(F/S). Selected readings and topics on current issues in the air transportation industry. It is an in-depth review of past, present and future roles of involvement representing all sectors of the industry.

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 350 LOGISTICS THEORY (3-0-3)(F/S). This course discusses Management's responsibility for the movement of raw materials and finished products, including traffic management, plant location, materials handling, distribution warehousing, inventory control, and production scheduling.

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 371 TRANSPORTATION LAW (3-0-3)(F/S). This course will provide a coverage of the legal issues involved in the field of transportation such as jurisdiction, carrier responsibility, and current regulation in a de-regulated environment.

GB 441-441G GOVERNMENT AND BUSINESS (3-0-3)(F). 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 AND ENTREPRENEURIAL MANAGEMENT (3-0-3)(F/S). Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. PREREQ: MG 301.

MG 318 NEW VENTURE CREATION (3-0-3)(F/S). This course is a continuation of MG 317 Small Business and Entrepreneurial Management. Topics include the legal, financial, marketing, and managerial issues involved in creating a new enterprise. A major requirement of the course is the completion of a comprehensive business plan describing and analyzing a proposed new venture.

MG 330 HUMAN RESOURCE 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 EMPLOYEE AND 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 345 INTERNATIONAL TRANSPORTATION (3-0-3)(F/S). An in-depth into the study of documentation, rates, conferences, terminal problems, government policies and aids, carriers and routes associated with international trade. Water transportation associated with domestic service is featured.

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).ocusing 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)(F/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 and Administrative Services
Business Building, Room 306 Telephone (208) 385-3356
Chairman and Professor: Douglas J. Lincoln; Professors: Clark, Cornwell, Manship, Scudder; Associate Professors: Bounds, Lane, McCain; Assistant Professors: Scott.

Degrees Offered
- BBA, BA, and BS in Marketing
- BBA, BA, and BS in Administrative Services, Business Education Option, with emphasis in:
  Administrative Services
  Distributive Education
  Shorthand
- AS in Marketing-Mid-Management

Recommended Programs
ADMINISTRATIVE SERVICES MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR

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Totals 17 16

*S Offered by School of Vocational Technical Education.

SOPHOMORE YEAR

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<td>Principles of Economics EC 201-202</td>
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<td>Foundations of Education TE 201</td>
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<td>Statistical Techniques I DS 207</td>
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JUNIOR YEAR

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<td>Principles of Production Management DS 345</td>
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<td>Money and Banking EC 301</td>
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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, AS 215, AS 310 or AS 317, and upper division economics elective.

Internship: Business Education students who do not have relevant work experience must complete an internship.

MARKETING MAJOR
Bachelor of Business Administration Degree

FRESHMAN YEAR

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SOPHOMORE YEAR

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<td>Records Management AS 309</td>
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<tr>
<td>Word Processing Applications AS 215</td>
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</tbody>
</table>

Totals 18 18
College of Business

JUNIOR YEAR

- Principles of Marketing MK 301
- Intermediate Microeconomics EC 303
- Management & Organizational Theory MG 301
- Principles of Finance FI 303
- Consumer Behavior MK 307
- Marketing Electives
- *Electives
- Intermediate Marketing Management MK 320
- Principles of Production Management DS 345
- Business Communication AS 328

Totals 18

SENIOR YEAR

- Organizational Behavior MG 401
- Advanced Marketing Management MK 425
- Marketing Electives
- Business Policies GB 450
- Marketing Research MK 415
- *Electives
- Economics Electives (Upper Division)

* 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.

MARKETING—MID-MANAGEMENT MAJOR

Associate of Science

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>1st SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Introduction to Business GB 101</td>
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<tr>
<td>Math or Information Decision Science Elective</td>
<td>4</td>
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<tr>
<td>Salesmanship MM 101</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Financial Accounting AC 205</td>
<td>3</td>
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<tr>
<td>Principles of Economics-Macro EC 201</td>
<td>3</td>
</tr>
<tr>
<td>Mid-Management Practicum MM 100</td>
<td>2</td>
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<tr>
<td>Elements of Management MM 105</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech Communication CM 111</td>
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</table>

Totals 17

SOPHOMORE YEAR

- Consumer Marketing MM 201
- Principles of Economics-Micro EC 202
- Principles of Advertising MM 203
- Report Writing MM 209
- Intro to Microcomputer Applications
- In Retailing MM 250
- Retail Merchandising MM 204
- General Psychology P 101
- Mid-Management Practicum MM 100
- Electives

Totals 16

Course Offerings

AS ADMINISTRATIVE SERVICES

Lower Division

- AS 213 WORD PROCESSING/MACHINE TRANSCRIPTION (2-0-2)(F). 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).

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 nongraphics. 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). 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.

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 (0-0-8)(F). 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)(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). A comprehensive approach to planning 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 assure 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 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.


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). 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). 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 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.

MM 250 INTRODUCTION TO MICROCOMPUTER APPLICATIONS IN RETAILING (3-0-3)(S). Applications in the retail field including basic operation, spreadsheets, and database applications. Spring Semester.
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.

Counseling and Testing Services

The Counseling and Testing Center offers a wide range of services directed toward students, faculty, and staff at no charge, although students must be currently enrolled for a minimum of six credit hours.

Since the pursuit of personal or educational goals always involves changes and personal adjustments, the Center has developed a wide variety of strategies to help with these normal developmental concerns and to prevent potentially traumatic problems. These approaches are geared toward making successful development even better as we support the existing strengths of the campus and our students. Consequently, our staff is involved in offering workshops, and discussion groups designed to promote skill development and enhance the quality of student life.

We are available for consultation with individual students, clubs, classes, and organizations interested in student well being. We are also available to serve a similar role for faculty, administrators, staff, and committees interested in professional consultation. Our staff also teaches in the Psychology Department and offers courses on such subjects as peer counseling, stress management and the transition needs of non-traditional students plus workshops on test anxiety.

We are open to helping students and campus groups develop innovative approaches to meeting academic and personal needs. Let us know your concern and we will do our best to help.

Appointments can be made by calling 385-1601 between 8 am and 4:30 pm Monday through Friday or by coming to the Center on the sixth floor of the Education Building. Interviews are generally scheduled between 30 and 60 minutes.
Department of Health, Physical Education and Recreation

Gymnasium, Room 209

Chairman and Professor: Glenn Potter; Professor: Button; Associate Professors: Lewis, Ritson, Vaughn; Assistant Professors: Connor, Faberson, Pfeiffer, Spitzer, Thorngren, Wallace; Instructor: Miller; Special Lecturers: Carringer, Craner, Koto, Moore, Van Wassenhove; Educational Consultants: Priest, Wade, Young.

Degrees Offered
- BS in Physical Education, Secondary Education
- BS in Physical Education, Non-Teaching Option

Department Statement

The goal of the Department of Health, Physical Education and Recreation is to improve and enrich the quality of life of other people by preparing students to understand, develop, promote, and teach the principles of a healthy lifestyle. This can be met by helping others learn motor skills, follow accepted personal health practices, participate in meaningful leisure and vigorous fitness activities, and appreciate the beauty of skillful movement.

Those students completing a course of study will have developed skills in critical thinking, communication and total fitness. Through an in-depth series of activity, theory and various practicum experiences, they will be able to interact effectively with people in various settings embracing the philosophy of a healthy and skillful lifestyle and possessing the skills and resources necessary to be models of their profession.

To accomplish this challenge, the Department has developed two undergraduate options with different areas of specialty.

1. Teaching Physical Education: for those seeking to certify as teachers at the K-12 or 7-12 grade levels.
   a. Coaching: For those majors who also want to have special preparation for public school coaching.
   b. Athletic Training: For those who also desire to prepare for the National Athletic Trainers Association Certification Examination and qualify as an athletic trainer in a school setting.
   c. Health: For those requesting a strong minor in health education.

2. Non-Teaching, Sport Science: For those wishing to prepare for physical education related careers which do not require teacher certification.
   a. Exercise Physiology: For those desiring a strong emphasis in the biological sciences as preparation for graduate school or for employment in fields related to strength training, commercial or industrial fitness.
   b. Biomechanics: For those desiring additional understanding of the mechanical bases of human movement for coaching, research or preparation for graduate school.
   c. Athletic Training: For those preparing for the National Athletic Trainers Association Certification Examination and qualification as an athletic trainer in a college, professional sport or sports medicine clinic.

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 in G-209.

Application criteria:
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.)
   E 101 English Composition
   E 102 English Composition
   P 101 General Psychology
   PE 100 Health Education
   PE 101 Foundations of PE
   PE 113 Rhythmic Skills
   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 the student's:
   a. involvement in professional activities (e.g., the PE Major's Club, departmental projects, etc.);
   b. skill level, considering both academic and physical skills; and,
   c. 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.

Degree Requirements

PHYSICAL EDUCATION, SECONDARY EDUCATION PHYSICAL EDUCATION, NON-TEACHING OPTION
Bachelor of Science Degree

GENERAL UNIVERSITY REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>English Composition E 101-102</td>
<td>6</td>
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<tr>
<td>Area I Core</td>
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<tr>
<td>Area III Core</td>
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<td>Area II-III Electives</td>
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PHYSICAL EDUCATION CORE REQUIREMENTS

(Required of all Graduates)

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<th>Course</th>
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<tr>
<td>Health Education PE 100</td>
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<tr>
<td>Foundations of Physical Education PE 101</td>
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<tr>
<td>Rhythmic Skills PE 113</td>
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<tr>
<td>Tumbling Skills PE 115</td>
<td>1</td>
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<td>Sports Skills PE 117</td>
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<td>Advanced First Aid PE 122</td>
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<tr>
<td>Human Growth and Motor Development PE 205</td>
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<tr>
<td>Anatomical Kinesiology PE 230</td>
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<td>Microcomputers in PE PE 284</td>
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<tr>
<td>Secondary School PE Methods PE 304</td>
<td>3</td>
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<td>Evaluation in Physical Education PE 309</td>
<td>3</td>
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<tr>
<td>Exercise Physiology PE 310</td>
<td>3</td>
</tr>
<tr>
<td>Biomechanics PE 311</td>
<td>3</td>
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<tr>
<td>Organization and Admin PE PE 457</td>
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</tbody>
</table>

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: Minimum 11

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College of Education

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

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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

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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

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SENIOR YEAR
Organization and Admin of PE 457 ................................. 3
Physical Education Approved Electives .................... 6
Supporting Field Approved Electives ....................... 10
Area I Core ................................................................. 3
Area II Core ............................................................... 3
Area III Core ............................................................... 4
General Electives .......................................................... 2

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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). Instructin in actual clinical aspects of campus athletic training programs, observing 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). In-troduction 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)(F). 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). 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). 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 (2-0-2)(F). Professional activity. Instruction and participation in rhythmic gymnastics for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application. Offered in odd on odd numbered years.


PE 236 INTRODUCTION TO ATHLETIC INJURIES (2-0-2)(F). 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). Instruction in officiating sports for development of skills and application of methods to sports.

PE 282 ADVANCED LIFESAVING (2-0-3)(F). Instruction and participation in lifesaving skills, ARC course, including personal safety, self rescue and rescue training skills. Student must be able to swim 500 yards. Required of all PE majors.

PE 283 WATER SAFETY INSTRUCTOR'S COURSE (1-3-2)(S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC Water Safety Instructor Level I and II. PREREQ: PE 230.

PE 284 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F). 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.

Upper Division

PE 293 INTERNSHIP (1-3 credits)(F). Practicum field experience in physical education related areas. Practical experience utilizing theory and practice of the assigned activity in a school setting. Prerequisite in some options.

PE 303 INTRAMURAL ORGANIZATION (2-0-2). Instruction in organization and administration of intramural activities. Offered in the fall on odd numbered years. PREREQ: Junior standing.

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: Senior 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 the 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, prescription and methods of implementing fitness programs for special populations. PREREQ: Junior standing, PE 361.

PE 401G PSYCHOLOGY OF ACTIVITY (3-0-3)(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). Advanced theory and application of techniques of athletic training for student pursuing a career as professional athletic trainer. PREREQ: PE 236, 311. Offered in spring on odd numbered years.

PE 403 TRAINING ROOM MODALITIES (3-0-2)(F). Instruction in theory and application of various 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)(F). 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). Nature of the coaching profession with emphasis on the functions of the coach in the interscholastic athletic program. PREREQ: PE 304.

PE 433 LEISURE COUNSELING (2-0-2). 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). 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). Instruction in physical education and athletic 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). 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. FA 162 Adapted Physical Education may be repeated for credit 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 is for the individual 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-marital 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.)

Lower Division

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 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, cha cha, samba, tango, tars, 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). 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). 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 cardiovascular-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).
College of Education

Department of Psychology

Education Building, Room 629

Chairman and Professor: John L. Phillips, Jr.; Professors: Barsness, Dodson, Ison, Snow, Steger; Associate Professors: Chastain, Downs, Nelson, Wilkinson; Assistant Professors: Leon, Thurber; Special Lecturer: Stoner.

Degrees Offered

• BA and BS in Psychology

Special Information for Students

1. 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.

2. 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.

3. 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.

4. Every Psychology major must sit for the graduate record examination (Both "Grad" 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 Degree

1. Lower Division:

   a. Psychology (see Area II below)
   b. Area
   c. Total credits: 15-18

   English Composition: 3-6
   Core courses: 12

   Bachelor of Science: 20-24
College of Education

SOPHOMORE YEAR

3. Free Electives

2. Upper Division

Recommended Program

**PSYCHOLOGY MAJOR**

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<td>English Composition</td>
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**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

**JUNIOR YEAR**

Computer Applications in Social Sciences | 3
Statistical Methods | 3
Experimental Psychology | 4
Adolescent Psychology | 3
Perception | 3
General Electives | 10

**SENIOR YEAR**

Psychological Measurement | 3
Experimental Research | 3
Learning | 3
Systems Seminar | 3
Upper Division Electives (Psych. or other) | 3
General Electives | 10

*Specifically required
**Courses approved for the Core
***Highly recommended for students planning for graduate school
****It is advisable for students planning for graduate school to obtain additional credits in mathematics and the sciences.

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. PREREQ: P 101.

P 151 CAREER AND LIFE PLANNING (3-0-3) (SF). 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). 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). 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 225, Z 107.

P 251 PSYCHOLOGY OF ADJUSTMENT (3-0-3). The course is designed to help each student develop a more effective approach to reaching educational and personal goals. Theory and techniques related to individual adjustment (goal identification, value clarification, stress management, self-control) will be presented along with discussion of interpersonal relationships and communication skills. PREREQ: P 101.

P 261 HUMAN SEXUALITY (3-0-3) (SF). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, birth control, 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). 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)/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 (3-6-3). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. 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 DESIGN (2-4-4)/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 322.

P 322 EXPERIMENTAL RESEARCH (1-4-3)/F). A research topic, along with its theoretical background and relevant empirical findings, will be supplied by the instructor to each student. The student will learn to operate the necessary apparatus, prepare instructions, explanation, and answer sheets, run subjects, analyze results, and write the research report in American Psychological Association style. PREREQ: P 321.

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 331 THE PSYCHOLOGY OF HEALTH (3-0-3)/F). Principles that have emerged from the experimental analysis of behavior will be examined. The principles include, but are not limited to, operant and classical conditioning. The course will deal with applications of these principles to the understanding and change of phobias, obesity, smoking, alcoholism, aberrant sexual behavior, and similar problems. 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 343 THE PSYCHOLOGY OF THOUGHT (3-0-3)/F). Examines basic processes of attention and information processing, memory and forgetting; concept formation and the representation of knowledge; reasoning; creativity; and computer simulation of these processes. PREREQ: P 101.

P 345 THE PSYCHOLOGY OF LANGUAGE (3-0-3)/F). Examines language structure, types of grammar, problems of meaning, competence versus performance, whether all thinking is verbal, linguistic determinism, and cultural factors in language. 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). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. PREREQ: P 101.

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)/F). 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). 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 permission.

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.
College of Education

P 431 SOCIAL PSYCHOLOGY (3-0-3)(S). The primary focus is the individual; the unit of analysis, the interpersonal behavior event. A study of individual motives, emotions, attitudes, and cognitions with reference to interactions with other human beings. SO 101 is strongly recommended. PREREQ: P 101.


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 499 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.

P 498 PSYCHOLOGY SEMINAR (1-0-6)(S). Selected topics of special interest to persons planning careers in psychology.

Department of Teacher Education

Education Building, Room 205 Phone (208) 383-3602
Chairman and Professor: Kenneth L. Hill; Professors: Bieter, Bowman, Bullington, Dahlberg, Edmundson, Frederick, Friedli, Hart, Hill, Jensen, Kirtland, Lambert, Sadler, Singh, Waite, Young; Associate Professors: French, Jensen, Lyons, Munns, Pearson; Assistant Professors: Bauwens, Collins, Fuhriman, Hansen, Herrig, Wheeler; Coordinator of Foreign Languages and Assistant Professor: Jay Fuhriman; Professors: Jocums, Valverde; Associate Professor: Robertson.

Degrees Offered

• Elementary
  - BA in Elementary Education
  - BA in Elementary Education, Bilingual-Multicultural

• Secondary
  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.

• Graduate
  A Master of Arts/Science in Education is offered through the Department of Teacher Education. 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.

Department Statement

The Department of Teacher Education 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.

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 tests 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, by

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:

• Elementary Majors
  1. Admission to Teacher Education.
  2. Recommendation by the faculty advisor.
  3. A cumulative grade point average of 2.50.
  4. Elementary Curriculum and Methods, TE 451, 452, taken concurrently with or prior to student teaching.
  5. Student teaching to be completed during 2 consecutive semesters.
  7. A minimum of "C" in all required courses.

NOTE: An early childhood course must be taken prior to or concurrently with student teaching in a kindergarten classroom. No student will be allowed credit towards his/her major department requirements for any grade of D.

• Secondary Options
  1. Admission to Teacher Education.
  2. Completion of an Early School Experience.
  3. Recommendation by the faculty advisor or the Department chairman.
  4. A minimum grade point average of 2.50 in the major field, minor field if applicable, and the Education courses completed.
5. A minimum cumulative grade point average of 2.50.
6. Minimum grade of C in TE 381, Secondary School Methods, and the appropriate class or classes in Special Methods for the teaching area.
7. Senior standing.
8. Sufficient credit hours in the assigned teaching area.

NOTE: 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 co-curricular 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.)

**Services for Students**

Placement: A teacher Placement Service is provided by the Boise State University Career Planning and Placement 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 consisting of general and professional education courses.

1. General University Requirements for BA Degree
   a. English
      English Composition E 101-102 ........................................ 3-6
      NOTE: E 101 may be exempt
   b. Area I
      Area I Requirements .................................................. 12
      Literature (to include E 271 or 272) ............................. 6
      Second Field Elective (Must be Art or Music. See Core requirements) ........................................... 6
      Third Field Elective (see Core requirements) ...................... 6
      NOTE: Choose Third Field Electives from Art, Humanities, Music, Philosophy, Theatre Arts and Foreign Language (201 level or higher).
   c. Area II
      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

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 .............................................. 3
   - Foundations of Education TE 201 ....................................... 3
   - Intro to Microcomputer in Classroom TE 208 ......................... 3
   - 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 ................. 3
   - 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 ................................... 3
   - Elem Curriculum & Methods II TE 452 ................................. 3
   - Classroom Management Skills TE 457 ................................. 2
   - Elem Student Teaching TE 471 ......................................... 5
   - Student Teaching in Special Educ TE 472 OR ........................ 5
   - 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 ................................... 3
   - Elem Curriculum & Methods II TE 452 ................................. 3
   - Classroom Management Skills TE 457 ................................. 2
   - Elem Student Teaching TE 471 ......................................... 5
   - 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 Linguistics in Teaching Engl as 2nd Lang LI 407 ............. 3

**English Section**
- English Composition E 101 ............................................... 3
- English Composition E 102 ............................................... 3
Total 6

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
**Recommended Programs**

**ELEMENTARY EDUCATION MAJOR**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<td>Concepts of Biology (Area III) B 100</td>
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<td>Physical Science (Area III) PS 100</td>
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<td>Intro to Teaching I Class Observation TE 171</td>
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<tr>
<td>General Psychology P101</td>
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<td>Area II, Geography GG 101 or 102</td>
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<td>Area II, Economics or Political Science</td>
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**SOPHOMORE YEAR**

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<tr>
<td>Music Fundamentals MU 101</td>
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<tr>
<td>Foundations of Education TE 201</td>
</tr>
<tr>
<td>Intro to Teaching II: Instr Exper TE 271</td>
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<td>Intro to Microcomputer in Classroom TE 208</td>
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<tr>
<td>Elementary Mathematics for Teachers M 103</td>
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<td>Elementary Mathematics for Teachers M 104</td>
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<tr>
<td>Education of the Exceptional Child TE 291</td>
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<tr>
<td>Second Field (E 271 or E 272) Area I</td>
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<tr>
<td>Additional Literature Course Area II</td>
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<tr>
<td>Social Science: Area II SO 230 or AN 102</td>
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</table>

**JUNIOR YEAR**

| Elective Area III | 4 |
| Total | 33 |

| Teaching Beginning 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 | 3 |
| Educational Psychology P 325 | 3 |
| Child Psychology P 311 | 3 |
| Speech Comm for Teachers CM 311 suggested | 3 |
| Electives | 6 |
| Total | 32 |

**SENIOR YEAR**

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<tr>
<th>First Semester: Block I</th>
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<tbody>
<tr>
<td>Classroom Management Skills TE 457</td>
<td>2</td>
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<tr>
<td>Elem Curriculum &amp; Methods TE 451</td>
<td>6</td>
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<tr>
<td>Elementary Student Teaching TE 471</td>
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<table>
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<th>Second Semester: Block II</th>
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<td>Advanced Curriculum and Methods TE 452</td>
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<tr>
<td>Elementary Student Teaching TE 472</td>
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**ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR**

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<th>FRESHMAN YEAR</th>
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<td>Elective Area I</td>
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<tr>
<td>Intermediate Spanish S 201</td>
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<td>Intermediate Spanish S 202</td>
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<tr>
<td>General Psychology P 101</td>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Intro to Teaching I: Class Observation TE 171</td>
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<tr>
<td>Math for Elementary Teachers M 103</td>
<td>4</td>
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<tr>
<td>Concepts of Biology B 100</td>
<td>4</td>
</tr>
<tr>
<td>Cultural Anthropology AN 102</td>
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<tr>
<td>Total</td>
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</tbody>
</table>

**SOPHOMORE YEAR**

| Elective | 3 |
| Total | 31 |

| 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: Instr Exper TE 271 | 1 |
| Advanced Spanish S 303-304 | 4 |
| 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 | 34 |

**JUNIOR YEAR**

| Elective | 2 |
| Total | 31 |

| 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 | 3 |
| 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 | 2 |
| 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 | 6 |
| Elementary Curriculum & Methods TE 451 | 6 |
| Student Teaching in Biling Elem Class TE 474-475 | 3 |

| Total | 10 |
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 the handicapped may enroll in one of the following programs and upon successful completion may be recommended for Idaho certification. This program has been designed so students may pursue a dual emphasis leading to certification as a special educator and also in elementary or secondary education. In order to avoid conflicts, students should begin planning early in their program with their advisors and if necessary a member of the special education faculty. Several courses in the required program are applicable to both the special education and the elementary emphasis. All students seeking certification in special education must complete the initial program for the Generalist endorsement prior to seeking the Severely Handicapped endorsement. A minimum of a 30 credit program in special education is required to meet the standards for the Idaho exceptional Child certificate.

GENERALIST — Educationally Handicapped: Upon completion of this program a student will be recommended for certification as a teacher for the mildly and moderately handicapped. Emphasis will be upon the training of the resource teacher working with the learning disabled, mentally retarded, and emotionally handicapped.

REQUIRED COURSES (30 Credit Hours)

- Education of the Exceptional Child TE 291 3
- Technology in Special Education TE 340 3
- Teaching in Special Education TE 334 3
- Teaching Mildly Handicapped Adolescents TE 335 3
- Diagnosis of the Handicapped TE 430 6
- Teaching Reading and Written Expression to the Handicapped TE 431 3
- Teaching Math and Language to the Handicapped TE 432 3
- Behavior Intervention Techniques TE 450 3
- Classroom Management Skills TE 457 3

Elementary Student Teaching in Special Education TE 473 11

SEVERELY HANDICAPPED — Mentally Retarded: A student desiring to certify in the area of the severely handicapped shall in addition to completion of the above requirements, complete a minimum of the following courses.

- Teaching the Severely Handicapped TE 423 3
- Student Teaching in Classes for the Severely Handicapped TE 424 5

NOTE: In order for a student to complete all of the course work it is possible that an extra semester may be required. There are many electives available to strengthen the basic requirements. The student should seek advisement from the special education faculty early to establish a program.

EARLY CHILDHOOD Emphasis

Required 16 credits:

- Child Behavior & Management in Early Childhood Education TE 361 3
- Curriculum in Early Childhood Education TE 362 3
- Internship in Early Childhood Education TE 293-493 3
- Creating Materials in Early Childhood Education TE 465 2
- Student Teaching Kindergarten TE 472 6

Electives 5 credits:

- Infant Education TE 463G 3
- Diagnosis of the 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 361 and 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.

READING Emphasis

Required 17 credits:

- Reading and Study Skills TE 108 3
- Teaching Beginning Reading K-3 TE 305 3
- Teaching Intermediate Reading 4-6 TE 306 3
- Children's Literature TE 316 3
- Corrective Reading TE 358 3
- Internship in Reading TE 493 6

Electives 3 credits:

- Literature for Young Adults TE 341 3
- 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.

ART Emphasis

Required 22 credits:

- Area Credits
- Introduction to Art AR 103 3
- Basic Design AR 105, 106 3
- Drawing AR 111 2
- Painting AR 113 3
- Painting-Watercolor AR 217 3
- Ceramics AR 225 3
- 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 1 and 3 of which apply to the elementary education major.

BILINGUAL Emphasis:

Required 18-22 credits:

- Area Credits
- Mexican American Tradition & Culture TE 278 3
- Foundations of English as a 2nd Lang TE 202 3
- ESL Identif. Test & Stu. Placement TE 322 3
- Bilingual Methods TE 454 3
- Methods of Teaching English as 2nd Lang TE 456 3
- Spanish 1-4 8

Must achieve a S-202 level proficiency either by taking 100 and 200 level courses or by demonstrating proficiency through examination.

Electives 3 credits:

- Intro to Multiethnic Studies SO 230 3
- Spanish for the Content Areas S 305 3
- History of Minorities in U.S. HY 261 3
- Cultural Anthropology AN 102 3

NOTE: This emphasis requires 21 to 25 credit hours, depending upon student’s level of Spanish proficiency. Eight 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.

FRENCH Emphasis:

Required 19 Credits:

- Area Credits
- Elementary French F 201-202 8
- Intermediate French F 201-202 1
- 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 Emphasis:

Required 19 credits:

- Area Credits
- Elementary German G 101-102 8
- Intermediate German G 201-202 1
- Teaching Methodology in For Lang FL 412 3

Electives 3 credits:

- Advanced German G 303 3
- Advanced German G 304 3
- German Culture and Civilization G 377 3

NOTE: This emphasis requires 22 credit hours, 8 of which may also apply to Area I.

HEALTH Emphasis:

Required 15 credits:

- Area Credits
- Health Education PE 100 3
- Nutrition H 207 3

College of Education
Electives 8 credits:
- Human Sexuality P 261
- Drugs: Use and Abuse H 109
- Man and The Environment B 200
- Disease Condition I H 211
- Abnormal Psychology P 301

NOTE: This emphasis requires 21 credit hours.

LANGUAGE ARTS Emphasis:
Required 21 credits:
- Survey of American Literature E 271 or 272
- Introduction to Literature E 131
- Grammar & Language Use for Teachers TE 216
- Fundamentals of Speech Communication CM 111 or CM 311

OR
- Speech Communication for Teachers CM 311
- Children's Literature TE 316
- Teaching English Composition E 301
- Intro to Language Studies LI 365

Electives 3 credits:
- Mythology E 217
- North American Indian Folklore & Lit E 219
- Children's Theatre TA 287
- Literature for Young Adults TE 341

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 Emphasis:
Required 21 or 22 credits:
- Elem Math for Teachers M 103 and 104
- Math for Liberal Arts Students M 100
- Intermediate Algebra M 108
- Alg and Trig M 111
- A First Course in Programming M 122
- Intro to Computers M 109
- Intro to Music MU 133
- Elements of Music MU 103
- Teach Music in Elem Classroom MU 372
- Private voice lessons (one year)
- Music Ensemble (one year)
- Basic Conducting MU 261

Electives 6 credits:
- Piano or Guitar Lessons

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 Emphasis:
Required 14 credits:
- Intro to Music MU 133
- Elements of Music MU 103
- (In lieu of MU 101) Teach Music in Elem Classroom MU 372
- (In lieu of MU 371) Private voice lessons (one year)
- Music Ensemble (one year)
- Basic Conducting MU 261

Electives 6 credits:
- Piano or Guitar Lessons

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 an Elementary Education major.

NOTE: This emphasis requires 22 credit hours, 3 of which may also apply to Area I.

PHYSICAL EDUCATION Emphasis:
Required 12 Credits:
- Rhythmic Skills PE 113
- Tumbling Skills PE 115
- Sports Skills PE 117
- Human Growth & Motor Development PE 205
- Dance New Chitlins PE 357
- Elem School PE Methods PE 361
- Motor Prog for Special Groups PE 369

Electives 8 credits:
- Health Education PE 100
- Nutrition H 207
- Human Anatomy & Physiology Z 107

This emphasis does not qualify a person to be certified as a music specialist.

SCIENCE Emphasis:
Required 16 credits:
- Concepts of Biology B 100
- Foundations of Physical Science PS 100
- Intro to Descriptive Astronomy PH 105
- Fundamentals of Geology GO 100

Electives 4 credits:
- Concepts of Chemistry C 100
- General Physics PH 101 & 102

NOTE: This sequence may be taken instead of PS 100.

This emphasis requires 21 credit hours. 4 of which apply to Area III.

SPANISH Emphasis:
Required 19 credits:
- Advanced Spanish S 303
- Advanced Spanish S 304
- Cultura y Civilizacion Hispanoamericana S 377

NOTE: This emphasis requires 24 credit hours, 12 of which may apply to Area III.

MIDDLE SCHOOL Emphasis:
- MIDDLE SCHOOL/ART ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/BILINGUAL ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/FRENCH ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/GERMAN ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/HEALTH ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/LANGUAGE ARTS ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/MATHEMATICS ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/PHYSICAL EDUCATION ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/READING ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/SCIENCE ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/SOCIAL STUDIES ELEMENTARY EMPHASIS
- MIDDLE SCHOOL/SPANISH ELEMENTARY EMPHASIS

NOTE: Special emphases will lead to an endorsement on the elementary teaching certificate enabling the candidate to teach the specific subject matter in secondary schools.

Middle School emphases, except for French, German, and Spanish, require 4 additional credit hours beyond the emphases without the "Middle School" prefix, as explained below:

- 3 additional credits by taking TE 482 Jr. High Student Teaching (6 CR) in lieu of TE 472 Elementary Student Teaching (5 CR).
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.
3. A recommendation by the Dean of the College of Education indicating that the candidate has met the certification requirements. Such an 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.

Certification Requirements and Endorsements for Secondary Education


Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of Baccalaureate degree including Education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education.
3. A recommendation by the Dean of the College of Education indicating that the candidate has met the certification requirements. Such an 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.

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:

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<th>Alternatives</th>
<th>Single</th>
<th>Composite</th>
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<tr>
<td>Foundations of Education TE 201</td>
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<td>3</td>
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<tr>
<td>Reading in Content Subjects TE 307</td>
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<td>Educating Exceptional Secondary Students TE 333</td>
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<td>Educational Psychology P 325</td>
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<td>Secondary School Methods TE 381</td>
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<td>Special Methods required by Major Department (varies by major)</td>
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<tr>
<td>Student Teaching in Junior High TE 482</td>
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<td>Total (not including special methods)</td>
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Secondary Student Teaching

An Idaho Standard Secondary Certificate allows the holder to teach in grades 7 through 12. Both the Single and Composite alternatives lead to the same certificate.

Students choosing the Single alternative may select either junior or senior high school for their student teaching. Normally, the request can be granted and the student teacher will usually teach only in his/her major fields. Students selecting the Composite alternative will be placed in a junior high school for approximately 8 weeks and a senior high school for the remaining weeks. Normally, students will teach in their major fields in one experience and their minor fields in the other. Students may complete the student teaching experience in either the spring or fall semester and should work closely with their advisors and members of the secondary faculty in the Department of Teacher Education. Student teaching is scheduled through the Office of the Coordinator of Field Services in the Department of teacher Education. See Admission to Student Teaching, above.

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
- Anthropology-Social Science Secondary Education Option
- Biology
- Business Education
- Chemistry
- Communication
- English
- Earth Science
- Economics-Social Science Secondary Education Option
- History
- History-Social Science Secondary Education Option
- Mathematics
- Music
- Physical Education
- Physics
- Political Science-Social Science Secondary Education Option
- Sociology-Social Science Secondary Education Option
- Theatre Arts

A listing of the Boise State University minor certification endorsements is included for the convenience of students:

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
- Cultural Anthropology AN 102
- Peoples and Cultures of the World AN 311
- Additional upper division Anthropology

Non-Social Science Major

- Physical Anthropology AN 101
- Cultural Anthropology AN 102
- Introduction to Archeology AN 103
- Peoples and Cultures of the World AN 311
- Additional upper division Anthropology
ART
Introduction to Art AR 103 ........................................ 3
Basic Design AR 105-106 ........................................... 4
Drawing AR 111, 112 .................................................. 2
Painting AR 113, 114 ................................................. 2
2 hours from Sculpt, Metals, Ceramics, Methods in Craft ....... 2
Electives from 100-400 Regular Courses ......................... 7
Suggested Electives: Art History, Lettering Photography, Printmaking, Weaving and those listed above .............................................. 20

BIOLOGY
General Botany BT 130 & Gen Zool Z 130 ...................... 9
Systematic Botany BT 305 .......................................... 4
Concepts of Anatomy and Physiology Z 107 .................... 4
Genetics, Lab B 343, 344 OR Vertebrate Nat Hist Z 355 ....... 4

BUSINESS EDUCATION
(No Minor Certification Endorsement)

CHEMISTRY
100 level General Chemistry Courses ......................... 8-10
Organic Chemistry Courses ..................................... 5
Additional Courses in Analytical, Physical, Inorganic or Biochemistry ....................................................... 4
Mathematics to the M 111 Algebra and Trig Level ............. 5

COMMUNICATION (Speech)
Fundamentals of Speech CM 111 .................................. 3
Reasoned Discourse CM 112 ....................................... 3
Interpersonal Communication CM 221 .......................... 3
Speech-Communication for Teachers CM 311 ................... 3
Methods of Teaching Communication CM 401 .................. 3
Electives selected from: ........................................... 5
Mass Communication CM 171 ................................... 3
Oral Interpretation CM 241 ....................................... 3
Communication in the Small Group CM 251 .................... 3
Interviewing CM 307 ............................................... 3
Message Analysis and Criticism CM 331 ....................... 3
Non-Verbal Communication CM 341 ............................ 2
Intercultural Communication CM 351 .......................... 3

CONSUMER EDUCATION
(See Marketing and Administrative Services Department)
Consumer in the Marketplace HE 250 .......................... 3
Principles of Economics EC 201-202 ............................ 6
Personal Finance and Investments FI 108 ....................... 3
Money and Banking EC 301 ....................................... 3
Basic Marketing Management MK 301 .......................... 3
Consumer Education in Schools BE 411 ...................... 3

EARTH SCIENCE
Physical Geology GO 101 ......................................... 4
Historical Geology GO 103 ........................................ 4
Introduction to Ocean Geology GO 201 ......................... 3
Introduction to Meteorology GO 213 ........................... 3
Introduction to Descriptive Astronomy PH 105 ................. 4
Electives selected from: 3
Geology of Idaho & Pacific NW GO213 ................. 3
Mineralogy GO 221 .............................................. 4
Geomorphology GO 313 ........................................... 3
Invertebrate Paleontology GO 351 ............................. 3
Physics of the Earth GP 325 .................................... 3

ECONOMICS
Principles of Macroeconomics EC 201 ........................ 3
Principles of Microeconomics EC 202 .......................... 3
Intermediate Microeconomics EC 303 ........................... 3
Intermediate Macroeconomics EC 305 .......................... 3
Upper Division Economics Courses .......................... 9

ENGLISH
Advanced Composition E 201 .................................. 3
Linguistics ......................................................... 3
Survey of American Literature E 271 or 272 ................. 3
Teaching English Composition E 301 OR .......................... 3
Methods of Teaching Secondary School English E 381 ....... 3
Lower Division Literature E 230, 235, 240, 260, 215 ....... 6
Upper Division Literature ......................................... 6
Successful completion of secondary writing proficiency .... 8

FOREIGN LANGUAGE
French
Required 19 credits: .................................................. 8
Elementary French F 101-102 .................................... 8
Intermediate French F 201-202 .................................. 1
Teaching Methodology in For Lang FL 412 .................... 3

Electives 3 credits: .................................................. 3
Advanced French F 303 ........................................... 3
Advanced French F 304 ........................................... 3
La Civilisation Francophone Moderne F 377 ................... 3

German
Required 19 credits: .................................................. 8
Elementary German G 101-102 .................................. 8
Intermediate German G 201-202 ................................ 1
Teaching Methodology in For Lang FL 412 ................. 3

Electives 3 credits: .................................................. 3
Advanced German G 303 .................................... 3
Advanced German G 304 .................................... 3
German Culture and Civilization G 377 ....................... 3

Spanish
Required 19 credits: .................................................. 8
Elementary Spanish S 101-102 .................................. 8
Intermediate Spanish S 201-202 ................................ 1
Teaching Methodology in For Lang FL 412 ................. 3

Electives 3 credits: .................................................. 3
Advanced Spanish S 303 .................................... 3
Advanced Spanish S 304 .................................... 3
Cultura y Civilizacion Hispanoamericano S 377 .......... 3

Geography
Introduction to Geography GG 101 ............................ 3
Cultural Geography GG 102 .................................... 3
Upper Division Geography (minimum) ....................... 6
Geography Courses (minimum) ............................... 8

GENERAL SCIENCE
Complete the basic sequence of courses in BT 130 and Z 130 . . . . 9
Chemistry C 107, 108, 109, 110 .................................. 9
Geology GO 101-103 .............................................. 8
Physics PH 101-102 .............................................. 8

HEALTH EDUCATION
Anatomy and Physiology Z 107 .................................. 4
Health Education PE 100 ....................................... 3
Advanced First Aid PE 122 ..................................... 3
Nutrition H 207 .................................................. 3
Adolescent Psychology P 312 ................................... 3
School Health Problems & Methods PE 305 ................... 3
Consumer Health PE 405 ....................................... 2

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
### HISTORY

**Lower Division**
- US History HY 151-152 or Prob in US History HY 251-252 .......................... 12
- 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 or 3 major History areas (U.S., European, Third World) ......................... 12

**MATHEMATICS**

- Programming Languages M 122 or M 126 ........................................ 2
- Calculus M 204 or M 211 ................................................................. 2
- Calculus M 205 or M 212 ................................................................. 4
- At least 1 of the following ................................................................. 4
  - Linear Algebra M 301 ................................................................. 4
  - Introduction to Abstract Algebra M 302 ........................................ 3
  - Foundations of Geometry M 311 .................................................. 3
  - Fundamentals of Statistics M 361 ................................................. 4
- Electives to complete 20 hours ......................................................... 20

### MUSIC

#### Instrumental Track

- Materials of Music MU 119-120 ....................................................... 8
- Ear Training MU 121-122 ............................................................... 2
- Basic Conducting MU 261 ............................................................... 1
- Orientation to Music Education MU 271 .......................................... 1
- 1 year Applied Music ................................................................. 2
- 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 385 .............................. 2

#### 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

### 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
- Elementary School P.E. Methods PE 361 ....................................... 3
- Coaching Methods PE 3 .............................................................. 3
- Internship in P.E. PE 493 .............................................................. 3
- Total 24

Additional Electives to be selected from the following courses with the approval of the Physical Education Department.

### 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 (4-1-4F/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 in its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 101-P 102-P PROGRAMMED ELEMENTARY FRENCH (V-V-V). 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 (4-1-4F/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 AV 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 structures 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. Alternate years.

F 328 LECTURES AVANCEES DE LA POESIE ET DE LA PROSE FRANCAISES (3-0-3). Selected unbridled 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 unbridled 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, Aymé, Beckett, Sartr, 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 FRANCO-PHONE 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 (4-1-4F/S). 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 101-P 102-P PROGRAMMED ELEMENTARY GERMAN (0-4-4). Self-paced course; programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student’s pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

G 201-202 INTERMEDIATE GERMAN (4-1-4F/S) Area B. A continuation of G 101-12, this course emphasizes listening, speaking, reading and writing, focuses 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 (3-0-3F). Major writers and periods provide samples from various genres and an overview of German literary development. The course is intended to provide insights into literary craftsmanship. PREREQ: G 202 or equivalent as determined by placement examination and consultation.

G 376 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.

G 377 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from 1900 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). Fundamental applications of linguistic theory to foreign language teaching and learning practices. Analysis of ways in which traditional, descriptive, and transformational models deal with morphology, syntax, and phonology. PREREQ: Li 305 and minimum of six credits upper division German and/or in-service teaching and/or equivalency as determined by placement test and interview. Alternate years.

G 415 AUFLARUNG 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 Gotthold, 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 (1780-1830)(3-0-3). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 435 REACTION: 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, Goethe, 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). “Isms”, trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden, Literature, and 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 BITTER 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, Grimmelshausen, 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.

G 410 GREEK

NOTE: Most Greek Courses require a lab fee.

Lower Division

G 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.
Ethyological 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 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 COURSES**

**Lower Division**

**LS 102 LIBRARY SKILLS I (0-2-1)** 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)** 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)** (FLS) 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 321 BASIC BOOK SELECTION (3-0-3)** 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 discardng and weeding, and materials for slow and gifted readers. PREREQ: LS 201 or PERM/INST.


### R RUSSIAN

**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. 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 fundamental structures of Spanish and vocabulary. Topics for conversation, reading, and writing focus upon culture of 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 Spanish ability by sufficient formal training in grammar, reading and 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. Critical 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)** A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary expression, 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 Hispanic-American 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 LOS 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 ESPANOL AVANZADO (3-0-3)** An advanced oral and written communication course for those who need extended training in expressing ideas. Special emphasis is placed on style, vocabulary building and 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 LITERATURA CONTEMPORANEA ESPANOLA (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 LITERATURA 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 Hispanic America. PREREQ: S 331 or PERM/INST. Alternate years.

**S 445 LITERATURA ESPANOLA: SIGLOS 18 Y 19 (3-0-3)** The main manifestations of thought and literature from 1770 to 1900, including the periods of the Enlightenment, Realism and Romanticism. PREREQ: S 331 or PERM/INST. Alternate years.

**S 447 LITERATURA 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 LITERATURA ESPANOLA (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 LITERATURA 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 455 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 333 or PERM/INST. Alternate years.

S 475 EVENTOS CONTEMPORÁNEOS DE AMÉRICA Y FRAÍLES HISPANOAMERICANOS (3-0-3). A lecture and discussion course based on current social, economic and cultural 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 these people in their respective countries today. PREREQ: S 376 or S 370 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. Prerequisite: Independent study approach, 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). Develops the reading and study habits 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). 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/SU) (Area II). A general introduction 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/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 components of 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 4-6. 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 271 INTRODUCTION TO TEACHING II: INSTRUCTIONAL EXPERIENCE (1-2-1/F). 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). 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 institutional needs will be included. PREREQ: P 101 and TE 171.

Upper Division

TE 305 TEACHING BEGINNING READING, K-3 (3-0-3/F/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/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/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 on 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/SU). 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/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). 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/F). The course is designed to provide the special education teacher an insight into and understanding of instruction of the handicapped. Topical presentations and activities include legal and educational implications, consulting and counseling with parents and professionals, utilization of school and community resources, professional publications and organization. PREREQ: TE 291.

TE 335 TEACHING MILDLY HANDICAPPED ADOLESCENTS (3-0-3/F). Five topical areas related specifically to mildly handicapped adolescents will be examined. These are: Assessment procedures, eligibility criteria, service delivery options, intervention techniques, and instructional strategies. PREREQ: TE 334 or PERM/INST.

TE 340 TECHNOLOGY IN SPECIAL EDUCATION (2-0-2/F). This course introduces special educators to uses of computers and technology that are especially valuable for the handicapped. Specific attention will be given to adapting the computer and technology to special student needs, Computer Assisted Instruction (CAI) and Computer Managed Instruction (CMI). PREREQ: TE 208 or PERM/INST.

TE 341 LITERATURE FOR YOUNG ADULTS (3-0-3). 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). Motion pictures, filmstrips, transparencies, 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/F/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 361 CHILD BEHAVIOR AND GUIDANCE IN EARLY CHILDHOOD EDUCATION (3-0-3/F). The influence of the home and school environments will be examined in relation to child behavioral and emotional development will be emphasized. Parent and teacher manuals will be examined in relation to theories and appropriateness in managing young children's behavior. PREREQ: P 101.

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/F). This course provides the theoretical and practical background for science instruction at the second...
TE 456 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S). This course acquaints future teachers with a variety of approaches and techniques for teaching English as a Second Language (ESL). Included are topics such as: Audio-lingual, Cognitive, Situational, Oral Language 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—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 (3-3-3)(SLU). 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)(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 476 STUDENT TEACHING IN CLASSES FOR THE SEVERELY HANDICAPPED (0-20-5)(F/S). Supervised student teaching in a classroom as well as with special conditions unique to the severely handicapped. These may include vocational needs, community services and public agencies serving this population. PREREQ: TE 423, TE 473.

TE 477 ELEMENTARY STUDENT TEACHING—SPECIALTY AREA (0-30-6) or (0-30-6)(F/S). This course is reserved for students who are seeking an endorsement to teach in specific disciplines in grades 1-8 or who are seeking an elementary specialist certificate. Students are given assignments in elementary schools where they observe and teach under the supervision of a cooperating teacher and a university supervisor. PREREQ: Admission to student teaching.

TE 482 JUNIOR HIGH/MIDDLE SCHOOL STUDENT TEACHING (0-14-0)(SU). 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 (0-14-0)(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 supervision of university faculty. PREREQ: Prior acceptance to student teaching; TE 201, 381. COREQ: TE 487. Graded pass/fail.

TE 484 JUNIOR HIGH/MIDDLE SCHOOL STUDENT TEACHING—COMPOSITE (0-14-0)(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 (0-14-0)(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.
College of Education

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). 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 483 or 485.

TE 487 THE SENIOR HIGH SCHOOL (1-0-1)(F). 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/U).


TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER) (3-0-3)(S/U).

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(F/S/U).

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 514 COUNSELING SKILLS FOR EDUCATORS (3-1-3)(S).

TE 515 TEACHING SKILLS FOR REMEDIATION OF LEARNING DISABLED STUDENTS (3-0-3)(F).

TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S).

TE 517 DEVELOPMENT OF SKILLS FOR TEACHING MODERATELY/SEVERELY HANDICAPPED (3-0-3)(S).

TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S).

TE 519 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3)(S).

TE 520 EDUCATIONAL MEDIA (3-0-3)(S).

TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(F/S/U).

TE 523 EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3)(F/S/U).

TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S).

TE 541 EDUCATION IN EMERGING NATIONS (3-0-3)(S).

TE 543 EARLY CHILDHOOD: READINGS (3-0-3)(S).

TE 544 EARLY CHILDHOOD: ADVANCED CHILD DEVELOPMENT (3-0-3)(F).

TE 546 EARLY CHILDHOOD: ENVIRONMENTS AND PROGRAMS (3-0-3)(S).

TE 547 EARLY CHILDHOOD: LANGUAGE ACQUISITION AND DEVELOPMENT (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)(S).

TE 564 CREATIVE TEACHING—SECONDARY SCHOOL (1-0-1)(S).

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(S).

TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(S).

TE 567 TEACHING SUBJECT CONTENT THROUGH READING (1-0-1)(S).

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(S).

TE 569 TESTING AND GRADING (1-0-1)(S).

TE 570 GRADUATE CORE-ISSUES IN EDUCATION (3-0-3)(S).

TE 571 GRADUATE CORE-DIRECTED WRITING (3-0-3)(S).

TE 573 CREATIVE TEACHING—ELEMENTARY SCHOOL (1-0-1)(S).

TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3)(S).

TE 589 PRACTICUM (V-V-V).

TE 591 PROJECT (V-V-V).

TE 593 THESIS (V-V-V).
The College of Health Science is organized and dedicated to provide a stimulating and challenging milieu in which students can gain the professional, technical, and liberal arts foundation to prepare them for life-long service and training.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. Preprofessional coursework and counseling are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The school also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners.

Faculty of the school not only have the required academic degrees but are also registered or certified as practitioners in the areas in which they teach. Hospitals, clinics, government agencies, and a variety of health care practitioners afford the necessary patients, professional support and clinical facilities which are required to complement the classes and laboratories at the university.

Cooperating Agencies
Boise Samaritan Village, Boise, Idaho
Booth Memorial Home (Salvation Army), Boise, Idaho
Central District Health Department, Boise, Idaho
Community Home Health, Boise, Idaho
El Ada Head Start, Boise, Idaho
Grand Oaks Healthcare, Boise, Idaho
Hillcrest Care Center, Boise, Idaho
Idaho Elks Rehabilitation Hospital, Boise, Idaho
Idaho Veterans Nursing Home, Boise, Idaho
Independent School District of Boise City, Boise, Idaho
College of Health Science

Intermountain Hospital, Boise, Idaho
Kootenai Memorial Hospital, Coeur d'Alene, Idaho
Magic Valley Regional Medical Center, Twin Falls, Idaho
Mercy Medical Center, Nampa, Idaho
Missoula Community Hospital, Missoula, Montana
Moritz Community Hospital, Sun Valley, Idaho
Nelson Institute, Boise, Idaho
Patient and Family Support Institute, Inc., Boise, Idaho
St. Alphonsus Regional Medical Center, Boise, Idaho
St. Joseph's Hospital, Inc., Lewiston, Idaho
St. Luke's Regional Medical Center/Mountain States Tumor Institute, Boise, Idaho
St. Mary's School, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Walter Knox Memorial Hospital, Emmett, Idaho
West Valley Medical Center, Caldwell, Idaho
YWCA (Battered Women's Unit), Boise, Idaho
Veterans Administration Medical Center, Boise, Idaho

University/Community Health Sciences Association, Inc.

The University/Community Health Sciences Association, Inc., is a non-profit corporation chartered by the State of Idaho for educational and charitable purposes, and to otherwise serve the University.

The objectives of the Association are to promote optimum health services for the community through excellence in health professional education, to promote the growth and development of the College of Health Science of Boise State University and its constituent educational programs, departments, and activities, and to encourage donations of funds and gifts to assist in carrying out these objectives.

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

Mr. Armand Bird, Treasurer
Mr. James A. Goff, Vice President
Mr. Robert Conrad
Mrs. M. M. Burkholder, M.D., President
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university to complete the Bachelor of Science requirements.

**Degree Requirements**

**ENVIRONMENTAL HEALTH**  
Bachelor of Science Degree

1. General Requirements (30 credits):
   - English Composition E 101-102 ........................................ 6
   - Electives (Area I Core) ............................................. 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 ................................. 5
     - Applied & Environmental Microbiology B 415 .......... 4
     - Entomology Z 305 .................................................. 4
     - English Composition E 101-102 ............................... 6
     - College Chemistry C 131-134 ................................ 9
     - General Physics PH 101-102 ................................ 8
     - Applied & Environmental Microbiology B 415 .......... 5
     - Health Sciences (24 credits):
       - Water Supply and Water Quality Management EH 310 .. 3
       - Air Quality Management EH 380 ............................... 2
       - Community Environmental Health Management ....... 4
       - Public Health Administration H 304 ..................... 3
       - Public Health Law H 435 ....................................... 3
       - 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
   - Health Science Requirements (24 credits):
     - Pathogenic Bacteriology B 310 ............................... 4
     - Human Physiology Z 401 .......................................... 4
     - Economics EC 201 .................................................. 3
     - Biocell C 301 ....................................................... 3
     - Pathology B 412 .................................................... 4
     - Management & Organizational Theory MC 301 .......... 4
     - Physical Geology G 101 ......................................... 3
     - Environmental Health Seminar H 498 ..................... 1
   - Other (6 credits):
     - General Botany BT 130 ......................................... 4
     - Electives (Area I) .................................................. 9

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
   - Medical Terminology H 101 .................................... 3
   - Epidemiology H 480 ............................................... 3
   - Environmental Health Practicum EH 160 ............... 1
   - Other (6 credits):
     - Public Health Administration H 304 ....................... 3
     - Sociology, Psychology or Communication Elective .. 3

4. Free Electives (13-16 credits)

**Recommended Programs**

**ENVIRONMENTAL HEALTH**

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<th>FRESHMAN YEAR</th>
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<td>English Composition E 101-102</td>
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<td>Electives (Area I)</td>
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<tr>
<td>Psychology P 101</td>
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<td>Sociology SO 101</td>
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<td>Environmental Health Practicum EH 160</td>
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<tr>
<th>JUNIOR YEAR</th>
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<tr>
<td>Organic Chemistry C 318-319</td>
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<td>Electives</td>
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<td>Health Science Requirements</td>
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<td>Cell Biology B 301</td>
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<td>Elective (Area II)</td>
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<td>Applied and Environmental Microbiology B 415</td>
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<td>Health Science Requirements</td>
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<td>Sociology, Psychology or Communication Elective</td>
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<td>Entomology Z 305</td>
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**HEALTH SCIENCE STUDIES**

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<tr>
<td>English Composition E 101-102</td>
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<td>College Chemistry C 131, 132, 133, 134</td>
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<td>Mathematics M 111, 204</td>
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**College of Health Science**
College of Health Science

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

SOPHOMORE YEAR
Botany BT 130 ........................................ 4 4
Zoology Z 130 ........................................ 5 5
Science Elective ....................................... 4 4
Health Delivery Systems H 202 ....................3 3
Electives (Area I) ........................................ 3 3
Electives (Area II) ..................................... 3 3

JUNIOR YEAR
Organic Chemistry C 317-320 ......................... 5 5
Free Electives .......................................... 3 3
Health Science Electives ............................ 3 3
Cell Biology B 301 ...................................... 3 3
Science Electives (Area III) ......................... 3 3

SENIOR YEAR
Bacteriology B 303 ...................................... 5 5
Physiology Z 401 or 409 ............................... 4 4
Science Electives ....................................... 7 3
Health Science Elective ...............................3 3
Immunology B 420 ..................................... 3 3
Free Electives .......................................... 7 7

PRE-DIETETICS PROGRAM
1st SEM 2nd SEM
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 3
Sociology SO 101 ........................................ 3 3
Area I Elective ......................................... 3 3

SOPHOMORE YEAR
Nutrition H 207 ......................................... 3 3
Principles of Food Preparation H 209 ............. 4 4
Math M 108 ............................................. 4 4
Microbiology B 205 ..................................... 4 4
Technical Writing E 202 .............................. 3 3
Cultural Anthropology AN 102 ..................... 3 3
A First Course in Programming M 122 ............ 2 2
Economics EC 201 or 202 ............................ 3 3
Statistics DS 207 ....................................... 3 3
Sociology of the Family SO 340 ..................... 3 3

Course Offerings
EH ENVIRONMENTAL HEALTH

Lower Division
EH 150 ENVIRONMENTAL HEALTH PRACTICUM (0-0-0)(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). 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). Sanitation and management practices for community problems dealing with 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). 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). 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). Introduction to Greek and Latin prefixes, suffixes, combining forms, and roots used in medical terminology, as well as the study of anatomical, physiological and pathological terms, clinical procedures, abbreviations, and lab tests according to systems of the body. Medical terminology is treated as a medical language, and clinical application is stressed.

H 109 DRUGS: USE AND ABUSE (3-0-3). 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). 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). 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 (2-4-4). 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). 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). 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). 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). 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). Emphasis on use of drugs in relation to health and illness in any setting, on legal aspects, and on patient education. Students will be expected to use prerequisite information in pharmacology to study drugs and their intersystem relationships. PREREQ: H 300; 64 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). . Interdisciplinary course in basic laboratory procedures used in a primary care setting. Clinical significance of tests in relation to disease processes is stressed. Lectures and 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)(S). 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 preservice health education, in-service education, continuing education, and community health education.

H 435 PUBLIC HEALTH LAW (2-0-2S). 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. Students keep a record of experiences and discuss 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 Record Science**

Health Sciences Building

Telephone (208) 385-1661

Chairman and Associate Professor: Conrad Colby; Associate Professor: Seddon; Instructor: Rockne.

**Degrees Offered**

- AS in Medical Record Technology

**Departmental Statement**

Medical Record technicians are qualified to work in any health care agency where health records are prepared, analyzed, and preserved. Areas of concentration include classifying diseases and operations, analyzing records of discharged patients, compiling statistical information for research, and storing 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 midterm of spring semester of the first year.
3. Fill out and return to the Medical Record Program Office (H-210) a "Special Programs Application for the Department of Medical Record Science" on or before March 1 of the year in which the student is in the 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 RECORD SCIENCE PROGRAM**

**Associate of Science Degree**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology Z 111-112</td>
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<tr>
<td>Introduction to Allied Health H 100</td>
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<td>Medical Terminology H 101</td>
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<tr>
<td>Introduction to Medical Records MR 115</td>
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<td>3</td>
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<tr>
<td>Health Data MR 205</td>
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<td>Disease Conditions I H 211</td>
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<td>Disease Conditions II H 212</td>
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**Sophomore Year**

- Medical Records I MR 201-202
- Diagnostic and Operative Coding MR 207
- Introduction to Allied Health H 100
- Area III Core Elective
- Medical Terminology H 101
- Introduction to Medical Records MR 115
- Health Data MR 205
- Area I Core Elective
- Area II Core Elective
- Medical Records II MR 203-204
- Health Record Transcription MR 209
- Disease Conditions I H 211
- Disease Conditions II H 212
- Introduction to Information Science IS 210 OR First Course in Programming M 122

After the successful completion of the professional year at BSU, students will have a three to four-week period of directed practice in one of several affiliated health facilities.

- Clinical Practice MR 215

**Course Offerings**

**MR MEDICAL RECORDS**

**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 manually and by computer. The value of this information to the patient, the doctor, and the community. PREREQ: MR 115. COR- EQ: MR 202.
College of Health Science

MR 202 MEDICAL RECORDS I LABORATORY (0-4-2)(F). Practice in the various methods of numbering, filing, and retrieving health records manually and by computer. 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, communication theory and practices for medical records professionals. PREREQ: MR 201. COREQ: MR 204.

MR 204 MEDICAL RECORDS III LABORATORY (0-4-2)(S). Applications in quality assurance, management, and communication principles. Observation of record keeping practices in non-hospital settings and continued 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 210 CLINICAL PRACTICE (0-2-2). 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) 385-3907
Chairman and Professor: Dr. Neila Poshek; Associate Professors: Baker, Fountain, Job, Lynch, Matson, Penner, Taylor, Wade, Wilcox; Assistant Professors: Butterfield, Chase, Nelson, Peterson, Schall; Instructors: Bledsoe, Leahy, Ottemann, Straub, Wise.

Degrees Offered

• AS in Nursing
• BS in Nursing

Departmental Statement

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 Degree in Nursing.

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.

Associate of Science Degree Program

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 standard 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.

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. 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, Room 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 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 $100.00* 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 $25.00* non-refundable lab fee payable by August 1 of each academic year.

*B*Amount subject to change.

Bachelor of Science Degree Program

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. 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. The program is approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

Philosophy: The faculty believe the purpose of this program is to provide the graduate with a baccalaureate education in nursing and the foundation for graduate study. The following statement represents the philosophical beliefs of the baccalaureate nursing faculty about man, environment, health, professional nursing, and professional nursing education.

Man is a complex, biopsychosocial, cultural being in continuous interaction with his environment, developing and adapting throughout the life cycle. Man's adaptive resources are derived from his unique combination of biopsychosocial characteristics: his ability to think, to reason, to modify his environment, to communicate and develop beliefs and value systems. Man has a right and a responsibility to make decisions affecting his future and to make decisions based upon cognitive and affective factors.

Health and illness are dynamic states. These states depend upon the unique balance of stresses and adaptive capacities operating within the individual, family, and community. Health and illness are on a continuum with high level wellness on one end and death on the other.

Each individual will reach the highest level of functioning on this continuum depending on their adaptive responses. People have an obligation to be involved in activities directed toward their care. Effectiveness of health delivery depends upon communication and collaboration among health care providers and consumers.

Pre-Entrance Advisement: Potential applicants should contact the program office to obtain advisement in advance of the application date. Candidates for admission who fail to utilize this service, or who apply too late to receive advisement, run the risk of failing to qualify for admission by the date which they have chosen.

Admission Requirements
To qualify for admission, applicants must:
1. Possess a current license as a registered nurse and secure Idaho license prior to enrollment.
2. Have maintained a GPA of 2.75 or better and passed all required courses with a grade of C or better.
3. Have completed the following credits:
   - English Composition
   - Microbiology
   - Nutrition
   - Area II Core courses
   - Chemistry
   - Human Anatomy & Physiology

Application Procedures: To apply for admission, the applicant must:
1. Make application to the university (if not previously admitted) and to the Baccalaureate Nursing Program. Students previously admitted to Boise State University, but not recently registered for classes, will have to re-activate their admission to the university.
2. Complete the following actions by March 1, preceding the Fall Semester in which enrollment in nursing courses is planned:
   a. Return completed university application to the Admissions Office and the special application form for the Baccalaureate Nursing Program to the Baccalaureate Nursing Program office.
   b. Submit transcripts from all institutions of higher education which candidate has attended.
   c. Write the required nursing examinations.

Following admission, the candidate must:
1. Return the Intent to Enroll form. This form is sent to the candidate when notified of acceptance in May. Failure to complete and return the form by the required date will result in removal of the candidate's name from the list of students for Fall admission.
2. Attend an orientation session usually lasting half a day and scheduled immediately prior to registration for the Fall semester. Accepted students will be notified regarding the time and place of this meeting.
3. Secure malpractice insurance prior to orientation.
4. Complete all conditional admission requirements prior to orientation.

Progression and Graduation: In order to progress through the program and qualify for graduation, students must meet all university requirements as well as the requirements for the nursing major, including required support courses. A GPA of 2.00 or better must be maintained and all nursing and required 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.

Students whose GPA falls below 2.00 or who receive less than a C in theory and simulated practicum courses in nursing or in required support courses will be placed on academic probation. The full-time student who carries 15-16 credits per semester can complete the program in two years.

In order to maintain the educational quality of the program, part-time students are subject to some regulations as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Anatomy &amp; Physiology</td>
<td>8</td>
</tr>
<tr>
<td>Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>Area II Core courses</td>
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1. Complete degree requirements in nursing courses within four years from enrollment in nursing courses.
2. Maintain continuous enrollment in nursing courses for both fall and spring semesters.
3. Follow the prescribed sequencing of nursing courses for part-time students.
4. Complete all 300 level nursing and required support courses before enrollment in any 400 level nursing courses.

Each student admitted to the program is assigned an advisor. The student is expected to confer with the advisor to evaluate progress in the program and to plan registration for the next semester.

For further information contact:
Department of Nursing
Baccalaureate Program
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1768

Degree Requirements

Associate of Science Degree

Full-Time Nursing Student

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SENIOR YEAR

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Part-Time Student

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FOURTH YEAR

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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 stresses
of illness and surgery. Exploration of concepts which apply to individuals at various points on the wellnesscontinuum. 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. PREREQ: N 102.

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 308 LEADERSHIP AND PROFESSIONAL INTERACTIONS (2-0-2)(F). The leadershipprocess is explored in relation to power, communication, bureaucratic structure, group theory, ethical/political issues and change. Nursing leadership and professional interactions are emphasized in the context of the health care setting. PREREQ or COREQ: N 302, N 360 COREQ: N 309.


N 360 HEALTH-ILLNESS I (3-0-3)(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 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 results in the research process. Critical review of research articles to evaluate findings for application to nursing practice. PREREQ: N 302 or PERMINST.

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. PREREQ or 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 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 implementation and evaluation of care. PREREQ or COREQ: N 410, 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. PREREQ or COREQ: N 408.


Department of Preprofessional Studies

Health Sciences Building, Room 101
Telephone (208) 385-1787
Dean and Professor:

Degrees and Majors Offered

- BS in Pre-Dental with emphasis in Biology or Chemistry
- BS in Pre-Medical Studies with emphasis in Biology or Chemistry
- BS in Pre-Veterinary Medicine Studies
- BS in Medical Technology
- Non-degree Program in Pre-Dental Hygiene
- Non-degree Program in Pre-Occupational Therapy
- Non-degree Program in Pre-Optometric
- Non-degree Program in Pre-Pharmacy
- Non-degree Program in Pre-Physical Therapy

Department Statement

The Preprofessional Studies Department has responsibility to those students who need to have undergraduate studies prior to applying to a professional school. This includes students who have declared a major in pre-Medicine, pre-Dentistry, pre-Pharmacy, pre-Veterinary Medicine, pre-Occupational Therapy, pre-Optometry, pre-Physical Therapy, pre-Veterinary Medicine, pre-Chiropractic, or Medical Technology.

In view of the specialized nature of each program the students 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 need to be aware of deadlines established by professional schools and testing organizations. 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.

Students have opportunities and are encouraged to work in a clinical environment and observe at first hand the practice and delivery of health care.

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 is available from advisors concerning state-supported tuition programs for qualified Idaho residents to professional schools outside the state of Idaho. These programs are:

- WAMI (Washington-Alaska-Montana-Idaho) for medical school;
- University of Utah for medical school;
- IDEP (Idaho Dental Education Program) for dental school;
- WOAI (Washington-Oregon-Idaho) for veterinary medicine school;
- WICHE (Western Interstate Consortium of Higher Education) for schools of optometry, occupational therapy, and physical therapy.

### Degree Requirements and Recommended Programs

#### PRE-DENTISTRY, BIOLOGY OPTION
**Bachelor of Science**

Science-Nursing Building, Room 213

Advisor: Dr. Charles W. Baker

**Science-Nursing Building, Room 213**
**Telephone (208) 385-3499**

**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

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#### PRE-MEDICINE, CHEMISTRY OPTION
**Bachelor of Science**

Science-Nursing Building, Room 213

Advisor: Dr. Charles W. Baker

**Science-Nursing Building, Room 213**
**Telephone (208) 385-3520**

**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 ........................................... 10
- Bio or Analytical Chemistry with Lab C 431-432 or C 211-212, 212-212 ........................................... 4
- Physical Chemistry C 321-324 ........................................... 8
- Instrumental Analysis C 411 ........................................... 4
- Chemistry Independent Study C 496 ........................................... 2
- Chemistry Seminar C 498, 499 ........................................... 2
- General Physics PH 101-102 ........................................... 10
- Mathematics M 111-204 ........................................... 10
- Mathematics M 205-206 ........................................... 8
- **Electives ........................................... 9-11

#### Suggested Program

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#### SOFTHMORE YEAR

- Botany BT 130 ........................................... 4
- Zoology Z 130 ........................................... - 5
- *Organic Chemistry C 317-320 ........................................... 5
- General Psychology P 101 ........................................... 3
- Cell Biology B 301 ........................................... - 3
- Elective(H 202 recommended)** ........................................... 3
| 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
- Area I Core Courses ........................................... 3
- Area II Core Courses ........................................... 3
- Electives ........................................... 3
| 14-15 | 17 |

#### SENIOR YEAR

- Physical Chemistry C 321-324 ........................................... 4
- Instrumental Analysis C 411 ........................................... 4
- Chemistry Independent Study C 496 ........................................... 1
- General Psychology P 101 ........................................... 3
- Chemistry Seminar C 498, 499 ........................................... 1

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**College of Health Science**
### Requirements

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<td>Genetics B 343-344</td>
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**Suggested Program**

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<tr>
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**Total Credits:** 616-17

### Bachelor of Science in Medical Technology

**Requirements**

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<td>Mathematics M 111</td>
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<tr>
<td>College Chemistry &amp; Laboratory C 131-134</td>
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<td>Organic Chemistry &amp; Laboratory C 317-319</td>
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<tr>
<td>*Biochemistry &amp; Laboratory C 431-432</td>
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<td>General Zoology Z 130</td>
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<tr>
<td>Human Physiology Z 401</td>
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<td>Health Delivery Systems H 202</td>
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<td>Genetics B 343-344</td>
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* Two semesters of Biochemistry C 431-432-433 (7 credits) are recommended.

### Medical Technology Clinical Class and Practice (MT 487-8-9)

- 12 months of study
- Taught at the hospital program
- Hematology: 6
- Clinical Bacteriology: 8
- Clinical Parasitology: 1
- Urology: 1
- Clinical Chemistry: 8
- Immunohematology: 3
- Serology-Immunology: 2
- Toxicology: 1
- Clinical Mycology: 1
- Clinical Correlations Seminar: 1
- Total: 32 credits
### Suggested Program

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<td>Health Sciences Electives</td>
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<td>Immunology B 420</td>
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<td><strong>TOTAL</strong></td>
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</table>

Sophomore, Junior and Senior years are individually planned in consultation with advisor.

### Course Offerings

**MT MEDICAL TECHNOLOGY**

MT 201 BASIC MEDICAL TECHNOLOGY (2-0-2NS) Introduction to the basic aspects of theory and practice encountered in Medical Technology. Even-numbered years.

MT 487 CLINICAL CLASS AND PRACTICE (75 hours per semester—324 hours per semester—CR/PSU) 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—CR/PSU) 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—CR/PSU) Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

### Non-Degree Programs

**PRE-DENTAL HYGIENE**

Student Health Center, Room 117  
Advisor: Rex E. Profit

A career in Dental Hygiene requires a Bachelor of Science in Dental Hygiene. Students may take the first two years of general education courses at BSU and apply for admission to professional school. The program suggested here is based upon the prerequisites generally required by professional schools. Students should consult the advisor and pattern their program at BSU on the requirements of the specific professional school to which they expect to apply.

<table>
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<tr>
<th>Year</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEM</td>
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<td>English Composition E 101-102</td>
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<td>Anatomy &amp; Physiology Z 111-112</td>
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<td>Chemistry C 107, 109</td>
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<td>Chemistry C 108, 110</td>
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<td>2</td>
</tr>
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</table>

### PRE-OCCUPATIONAL THERAPY

2268 University Drive  
Advisor: Conrad Colby

Occupational Therapy schools differ considerably in their preprofessional requirements. A minimum of two 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  
Advisor: Conrad Colby

Students interested in preparing for optometry training should take science courses and laboratories designed for science majors. 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:

<table>
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<tr>
<td>Mathematics M108 or M111</td>
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<tr>
<td>Introduction to Allied Health H 100</td>
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<tr>
<td>Area I Core</td>
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<td><strong>TOTAL</strong></td>
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### PRE-PHARMACY

Science-Nursing Building, Room 313  
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**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
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<tbody>
<tr>
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<td>Mathematics M 111</td>
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**SOPHOMORE YEAR**

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<td><strong>Total</strong></td>
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</table>

*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) 385-3288

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.

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
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</table>

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 course descriptions in Department of Community and Environmental Health.

**Department of Radiologic Sciences**

Student Health Building Telephone (208) 385-1996

Chairman and Associate Professor: Rex E. Profit; Associate Professor: Kraker; Assistant Professors: Craychee, Munk; Instructor: McCrorie.

**Degrees Offered**

- AS in Radiologic Technology
- BS in Radiologic Technology

**Department Statement**

To determine the presence of injury or disease, Radiologic Technologists position patients and operate radiographic equipment to produce diagnostic films. Most technologists work in Radiology Departments of hospitals or with physicians who maintain private practices.

The Radiologic Technology Program offers a curriculum utilizing both university and clinical components. This 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 in cooperation with the Joint Review Committee on Education in Radiographic Technology. 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
   a. See University Admission Policy.
   b. Student must see a Radiologic Technology advisor.

2. Sophomore Year
   a. 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.
   b. Health status must be adequate to ensure successful performance of hospital activities.

**Application Process:**

1. Freshman Year
   a. See University Requirements.

2. Sophomore Year
   a. Applicants must fill out and return to the Radiologic Sciences Department office a "Special Programs Application" on or before March 1 of the year in which they plan to attend the sophomore year.
   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 1 of the Sophomore year.
2. Submit $65.00 as prepayment for student name pin, clinical malpractice insurance, radiation monitoring badges and markers. This nonrefundable cost is payable by May 10 preceding the Sophomore year.
3. Submit a $60.00 Lab Fee, per academic year, payable to the department by September 1 of each professional year.

**Promotion and Graduation:**

1. Students must maintain a GPA of at least 2.50 for the first semester of the professional program. A lower GPA may constitute basis for removal from the program.
2. A grade of less than C in any professional theory (numbered H, RD) or clinical unit must be repeated and raised to C or higher before continuing in the program.
College of Health Science

Required Program

Radiologic Technology Program

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<th>SEM</th>
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<td>Radiographic Positioning III RD 316</td>
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<td>Special Radiographic Procedures RD 360</td>
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<td>Medical &amp; Surgical Diseases RD 350</td>
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<td>Clinical Experience RD 397</td>
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<td>Baccalaureate Degree Curriculum</td>
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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.

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<td>Management and Organizational Theory MG 301</td>
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<td>Imaging Modalities RD 402</td>
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<td>Medical Economics and Finance H 405</td>
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<td>Principles of Education in Health Sciences H 406</td>
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<td>Radiographic Quality Assurance RD 408</td>
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<tr>
<td>Course Offerings</td>
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RD RADIOLOGIC TECHNOLOGY

Lower Division

RD 211 CLINICAL PRACTICUM (0-3-18F). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. COREQ: RD 222.

RD 221 CLINICAL PRACTICUM (0-3-18S). 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 (4-0-4F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest and abdomen. COREQ: RD 211.


RD 230 RADIATION BIOLOGY-PROTECTION (2-0-2S). 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 (3-0-3F). Introduces the students to the hospital structure, technical aspects of radiology, and medical ethics, and prepares the students for various professional and patient interactions prior to their hospital experience. PREREQ: RD major or PERM/INST.

RD 242 RADIOGRAPHIC POSITIONING (4-0-3S). 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 285 RADIOLOGIC TECHNOLOGY CLINICAL PRACTICUM (2-0-4S). Supervised clinical hospital experience. The student must complete 75% minimum of recently taught radiographic exams and a minimum 32 hours in darkroom and office procedures. PREREQ: RD 238.

Upper Division

RD 311 CLINICAL PRACTICUM (0-3-1F). Laboratory demonstration and practice of the radiographic positions discussed in RD 316. COREQ: RD 316.

RD 316 RADIOGRAPHIC POSITIONING (4-0-4F). Advanced positioning techniques of the cranium, facial bones, sinuses, and temporal bones. PREREQ: RD 222 and RD 242.


RD 321 CLINICAL PRACTICUM (0-3-1S). Laboratory demonstration and practice of the special radiographic devices and techniques discussed in RD 320. COREQ: RD 320.

RD 350 MEDICAL AND SURGICAL DISEASES (3-0-3F). 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 222, RD 242.

RD 360 SPECIAL RADIOGRAPHIC PROCEDURES (4-0-4F). Fundamental concepts of the more specialized radiographic examinations with emphasis on studies of the nervous and circulatory systems. PREREQ: RD Major or PERM/INST.

RD 375 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-280-5S). 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 (0-360-6F). 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 (0-360-6F). 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 (0-280-5S). 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 (3-0-3F). Introduction to the set up and operation of a radiology department including design principles, projection of demands and preparing for growth and development. Structural and shielding requirements will be discussed. PREREQ: PERM/INST.
College of Health Science

Department of Respiratory Therapy

2268 University Drive

Telephone (208) 385-3383

Chairman and Associate Professor: Conrad Colby; Associate Professor: Ashworth; Instructor: Lester.

Degrees Offered

• AS in Respiratory Therapy
• BS in Respiratory Therapy

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 of 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.

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 BU.

Promotion and Graduation: Students who do not meet these requirements may be removed from the program.

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.

Professional Curriculum

Preprofessional (Freshman) Year

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<tr>
<td>Human Anatomy &amp; Physiology Z 111-112</td>
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<tr>
<td>Essentials of Chemistry C 107</td>
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<td>Essentials of Chemistry Lab C 108</td>
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<td>Intermediate Algebra M 108</td>
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<td>Medical Terminology H 101</td>
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Preprofessional (Sophomore) Year

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<td>Respiratory Therapy Theory II RT 223</td>
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<td>Respiratory Therapy Lab II RT 224</td>
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<td>General Pathology RT 209</td>
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<td>Pulmonary Function Laboratory RT 226</td>
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<td>Pulmonary Medicine I RT 227</td>
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<td>Foundations of Physical Science PS 100</td>
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<td>Microbiology B 205</td>
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Preprofessional (Junior) Year

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SUMMER

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SECOND PROFESSIONAL (JUNIOR) YEAR

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Baccalaureate Degree Curriculum: Prerequisite for Admission: each student must have met and satisfactorily completed all requirements for the associate degree in Respiratory Therapy at BSU, or have an associate degree in Respiratory Therapy and/or related discipline from a comparable college/university program, and have permission of the department chairman.

SENIOR YEAR:

1st SEM 2nd SEM
Personnel Administration MG 305 3 -
Organizational behavior MG 401 3 -
Intro Information Sciences IS 210 OR 3 -
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 -

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 (2-0-2F). 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 pathophysicsology of the lungs. 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 radiographic photographs. 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 (0-16-4) (F). Experience in the hospital with patients, techniques and equipment as applied to mechanical ventilation and artificial airways. PREREQ: PERM/INST.

RT 323 RESPIRATORY THERAPY THEORY IV (2-0-2) (S). Theory and 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 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 medical-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.

Areas of Emphasis
The Master of Public Administration Degree Program has three areas of emphasis: (1) General, (2) Human Services, and (3) Criminal Justice.

Graduate Faculty
The graduate faculty is comprised of those full-time faculty who have been approved by the Graduate Council to teach graduate level courses, participate in the conduct of the graduate programs, and supervise graduate students. 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 ap-
Applications for admission become the property of Boise State University. Under no circumstances will they be duplicated except for University advisement, nor the original returned to the applicant or forwarded to any agency or other college or university.

Admission to the Graduate College

A student may be admitted to the Graduate College at Boise State University when the following admissions criteria have been met:
1. The applicant has earned a Bachelor degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average which meets the minimal requirements of the 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 qualification for admission with regular status. No student may maintain provisional status indefinitely. The department or academic unit concerned will normally make a final determination 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 and the office of each dean. Credits earned in this manner are "reserved" to count toward a graduate degree at BSU.

Scholarship Requirements

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate College upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate College, a student must achieve a grade point average of B (3.00) or better in all work exclusive of deficiencies, specifically included in the 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 to allow challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the college officer in charge of the graduate program to which the course applies.

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 file 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, has removed all listed deficiencies, and has met any specific foreign language requirements.

Candidacy involves specifying, on the appropriate form, the list of courses and projects which comprise the student's program. Changes in the planned program after admission to candidacy must be recommended in writing by the student's committee or advisor and be approved by the Dean of the Graduate College.

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 six 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
Graduate College
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 designations 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 these 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 pro-

gram 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 objectives and the area of emphasis to be undertaken in the MPA program.
5. Completion of the following prerequisite courses in undergraduate preparation or their equivalent (applicable to all students applying for admission to the MPA program).

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 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 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 requirements of an integrated program designed to meet career objectives of the student in Public Administration.

Core and Optional Area Requirements: The specific course requirements of the MPA program are set forth in a list of courses which 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 Selection

Designated Core Area

NOTE: Selection of courses is to be made in consultation with the student's major professor in the preparation of a MPA program development plan for each individual student.

a. Administrative Theory, Organization, and Behavior: Organization Theory & Bureaucratic Structure PO 487G
c. Public Policy and Policy Analysis: Public Policy Formulation & Implementation PO 520
d. Administrative Law: Administrative Law PO 467G
e. The Executive & the Administrative Process: The Role of the Executive in Policy Making PO 530
f. Intergovernmental Relations: Intergovernmental Relations PO 469G
g. Community & Regional Planning: (No course offering yet provided at BSU)
h. Comparative Public Administration & Planning Systems: Comparative Public Administration PO 465G

Optional "Areas of Emphasis"

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

a. General Public Administration: This area of emphasis is provided to accommodate those students desiring preparation in public administration as a "generalist" rather than a "specialist" in a particular area of specialization. At BSU the student may select the remaining 12 credit hours of coursework from the courses listed below:


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, and 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.

b. Community, State & Regional Planning: (No course offering yet provided at BSU in the MPA program)


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

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

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

g. Public Finance, Budgeting, and Administrative Management: (Planned for future implementation as an area of emphasis at BSU.)
**Graduate College**

### h. 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

### Course Offerings

#### PO POLITICAL SCIENCE COURSES

**Undergraduate**

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

**PO 465G**: COMPARATIVE PUBLIC ADMINISTRATION (3.0-3)(F/S).
**PO 467G**: ADMINISTRATIVE LAW (3.0-3)(F/S).
**PO 469G**: INTERGOVERNMENTAL RELATIONS (3.0-3)(F/S).
**PO 487G**: ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3.0-3)(F/S).

**Graduate**

**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 analytical 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 the administrator.

**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 SYSTEMS

**PO 590**: PUBLIC SERVICE INTERNSHIP (variable credits). Arranged as field experience for those students with no prior experience in governmental or other public 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 documentary 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 510**: SPECIAL PROBLEMS IN CORRECTIONAL TREATMENT (3.0-3)(F/S). Analysis of contemporary problems in the correctional programs of American society.

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**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 CONFERENCE (1-2 credits). Directed reading on selected materials in criminal justice administration and discussion of these materials, as arranged and approved through major advisor.

**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 301.

### SO SOCIOLOGY COURSES

**Graduate**

**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.

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**Master of Science, Geology**

A Cooperative Graduate Studies Program

Idaho State University and Boise State University have a cooperative agreement which allows Boise area residents to enroll in the Idaho State University Master of Science program in Geology. Students enrolled in Idaho State University and Boise State University graduate classes may complete all but 12 of the necessary credit hours at BSU; the thesis committee will consist of faculty members from both universities. A minimum of 12 credit hours (one semester) are to be completed in residence at ISU, and the degree will be awarded by Idaho State University.

**Admission Requirements**: Application for admission may be made by graduates of accredited institutions holding a baccalaureate degree in Geology or related geoscience. Regular admission will be awarded to applicants who have earned a minimum grade point average of 2.75 during the last two years of academic work. Continued enrollment in the program requires a minimum 3.0 grade point average and satisfactory progress toward the degree.

Additional information may be obtained from Dr. Claude Spinosa, Chairman, Department of Geology and Geophysics, Boise State University, or from Dr. Paul K. Link, Chairman, Department of Geology, Idaho State University.

### Course Offerings

The following Boise State University courses may be included. Course descriptions for undergraduate courses are included in the listing for the Department of Geology and Geophysics earlier in this Catalog. Course descriptions for graduate courses are listed under the Master of Science in Education, Earth Science Emphasis, program description.
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 550 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)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>DS 512</td>
<td>Business and Its Environment</td>
</tr>
<tr>
<td>DS 514</td>
<td>Operations Research Methods for Decision Making</td>
</tr>
<tr>
<td>MK 519</td>
<td>Marketing Management Concepts</td>
</tr>
</tbody>
</table>

Electives

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.

Course Offerings

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.
- MS 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.
FL 530 FINANCIAL MANAGEMENT (3-0-3)(S). Financial planning an control, capital budgeting, risk analysis, cost of capital and the capital asset pricing model, capital structure planning, dividend policy, bond refunding problems, short and long-term financing requirements, mergers and acquisitions, social responsibility of financial executives, and multinational problems.

AC 532 ACCOUNTING—PLANNING AND CONTROL (3-0-3)(FS). Study of the planning and control processes to assist in the making of business decisions. Problems and cases are considered in profit planning and analysis, cost analysis for pricing, and capital budgeting. Overall objective is an understanding of techniques of cost planning and control.

MG 540 ORGANIZATION THEORY (3-0-3)(FS). Determinants and effects of organizational design, with history and current trends in organizations. Methods of analyzing appropriate structure are discussed. Organizational behavior within the structural framework is explored with special attention to group dynamics, power, leadership and influence.

EC 560 ECONOMICS OF PUBLIC POLICY (3-0-3)(FS). Contribution of economic analysis to the justification, design and implementation of economic policy. The issues surrounding the need for public policy in a private property, market economy and the benefits and costs associated with government intervention. The relationships between the goals and the instruments of U.S. economic policy. PREREQ: EC 201,202.

GB 579 BUSINESS POLICY FORMULATIONS (3-0-3)(FS). Utilizes complex business cases, business 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.

MBA—Elective Courses:

AS 512 COMMUNICATION TECHNIQUES FOR MANAGERS (3-0-3)(Intermittent) Analysis of commercial communication requirements in business and industry, 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 INFORMATION SYSTEMS (3-0-3)(F). This course is a study of the impact of the computer on managers and on the environment in which managers work. Topics include data-base, MIS, the impact of information systems on management and the management decision process, and the actual management and control of information systems. Selected computer applications are explored.

MG 541 HUMAN RESOURCE MANAGEMENT (3-0-3)(FS). Effective management of human resources including discussion of the supervisory processes conducive to reducing labor costs and increasing productivity. Special attention is given 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)
FL 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 "C" Courses: Two of the following courses may be taken for graduate credit if cleared by Graduate Program Coordinator. See appropriate department listings for complete course descriptions.

AC 440G ACCOUNTING THEORY (3-0-3)(S)
DS 408G OPERATIONS MANAGEMENT (3-0-3)(S)
DS 409G DECISION ANALYSIS (3-0-3)(S)
EC 421G-422G ECONOMETRICS (3-0-3)(FS)
FI 410-410G WORKING CAPITAL MANAGEMENT (3-0-3)(S)
FI 411-411G CAPITAL BUDGETING AND PLANNING (3-0-3)(F)

FI 420-420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F)
FI 421-421G DECISION PROCESSES IN BANKING (3-0-3)(S)
FI 430-430G INVESTMENT MANAGEMENT (3-0-3)(F)
FI 451-451G FRONTIERS IN FINANCIAL MARKETS (3-0-3)(F)
GB 441G GOVERNMENT AND BUSINESS (3-0-3)(S)
MK 415G MARKETING RESEARCH (3-0-3)(F)

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 official 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 Associate 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 Associate 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 the 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.

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
Required of all candidates—Fundamentals of Educational Research for Teachers TE 551
Required of all candidates—Thesis-Project
Selected Electives and/or Specific Requirements

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
Required of all candidates—One of the following:
Fundamentals of Educ Research for Teachers TE 551
Interpreting Educational Research TE 565
Selected Electives and/or Specific Requirements

(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
Graduate Core—Directed Writing TE 571
Conflicting Values in Education TE 563
Elective courses (Select 2 from the following):
Creative Teaching-Secondary School TE 564
Interpreting Education Research TE 565
Learning Theory and Classroom Instr. TE 566
Techniques of Classroom Management TE 568
Testing and Grading TE 569
Creative Teaching in Elementary School TE 573

Total Credits

5. Elective options (chose 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 Education Emphasis

Required Courses:
1. Graduate Core TE 570-571 ............................................................. 6
2. Conflicting Values TE 563 ................................................................. 1
3. Two electives from one-credit core course (TE 565 Int. Ed. Res. required for option II) ................................................................. 2
4. Early Childhood: Readings TE 543 .................................................. 3
Two of the following three courses (6):
Early Childhood: Environments & Programs TE 546 .................................................. 3
Early Childhood: Language Acquisition & Dev TE 547 .................................................. 3
Early Childhood: Practicum TE 590 ................................................................. 2-4
I. Thesis-Project Option
Fundamentals of Educ Rsch for Tchrs TE 551 ................................................. 3
Thesis-Project TE 591-593 ................................................................. 6
Electives .......................................................... 2-3
II. Comprehensive Written Examination Option
Interpreting Educational Rsch TE 565 (part of core) ........................................... 1
Electives .......................................................... 12
Total Credits .......................................................... 32-34

Special Education

For those Primarily Responsible for Elementary School Instruction

I. Special Education Emphasis for Mild-Moderate Handicapped

Required Courses
1. Graduate Core .......................................................... 9
2. Development of Skills for Teaching Pupils with Learning Difficulties ................................................................. 3
3. The Emotionally Disturbed Child in the Classroom TE 523 .................................................. 3
4. Practicum in Special Education TE 590 .................................................. 4
Counseling and Consulting in the Elementary and Counseling Skills TE 514 .................................................. 3
Electives selected from courses listed below:
Behavior Intervention Techniques TE 450C .................................................. 3
Instructional Materials for the Exceptional Child TE 440 .................................................. 3
Diagnosis of Reading Problems TE 502 .................................................. 3
Remediation of Reading Problems TE 503 .................................................. 3
Individual Tests & Measurements TE 505 .................................................. 3
Physical Education in Special Education PE 594 .................................................. 2
Elective Options. Choose I or II below:
I. Thesis-Project Option
Fundamentals of Educ Rsch for Teachers TE 551 ................................................. 3
Thesis-Project TE 591-593 ................................................................. 6
Electives .......................................................... 3
II. Comprehensive Written Exam Option
Fundamentals of Educ Rsch for Teachers TE 551 ................................................. 3
Or
Interpreting Educational Research TE 565 ................................................................. 1
Electives .......................................................... 9
Total Credits .......................................................... 33

II. Special Education Emphasis for Severely Handicapped
Graduate College

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Graduate Core</td>
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<tr>
<td>Behavior Intervention Techniques TE 450G</td>
<td>3</td>
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<tr>
<td>Development of Skills for Teaching Moderately</td>
<td>3</td>
</tr>
<tr>
<td>Severely Handicapped TE 517</td>
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<tr>
<td>Practicum in Special Education</td>
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<tr>
<td>Counseling and Consulting in the Elementary and Special Classroom</td>
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<tr>
<td>Electives selected from courses listed below:</td>
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<tr>
<td>Teaching the Severely Handicapped TE 423G</td>
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<tr>
<td>Instructional Materials for the Exceptional Child TE 440</td>
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<tr>
<td>Child Behavior in Early Childhood Education TE 461</td>
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<tr>
<td>Curriculum in Early Childhood Education TE 462</td>
<td>3</td>
</tr>
<tr>
<td>Individual Tests &amp; Measurements TE 505</td>
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<td>Physical Education in Special Education PE 594</td>
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<td>I. Thesis-Project Option</td>
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<td>Fundamentals of Educ Research for Teachers TE 551</td>
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<tr>
<td>Thesis-Project TE 591-593</td>
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<tr>
<td>Electives</td>
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<td>Or</td>
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<td>Interpreting Educational Research (core) TE 565</td>
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<td>Electives</td>
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For Those Primarily Responsible for Secondary School Instruction

III. Secondary Education Special Education Emphasis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Graduate Core</td>
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<tr>
<td>1. The Emotionally Disturbed Child in the Classroom TE 523</td>
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<tr>
<td>2. Teaching Skills for Remediation of Learning Disabled Students TE 515</td>
<td>3</td>
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<tr>
<td>Development of Skills for Teaching Moderately/Severely Handicapped TE 517</td>
<td>3</td>
</tr>
<tr>
<td>Behavior Intervention Techniques TE 450G</td>
<td>3</td>
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<tr>
<td>Practicum in Special Education TE 590</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Individual Tests &amp; Measurements TE 505</td>
<td>3</td>
</tr>
<tr>
<td>Internship in Secondary Special Education TE 594</td>
<td>3</td>
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<tr>
<td>Directed Research in Secondary Special Education TE 596</td>
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<td>Elective Options. Choose I or II below.</td>
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<tr>
<td>I. Thesis-Project Option</td>
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<tr>
<td>Fundamentals of Educ Research for Teachers TE 551</td>
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<td>Interpreting Educational Research (Core)TE 565</td>
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<td>Electives</td>
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<tr>
<td>Total Credits</td>
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</tbody>
</table>

Course Offerings

**PE PHYSICAL EDUCATION**

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

**PE 401G PSYCHOLOGY OF ACTIVITY (3-0-3)(F/S).**

**PE 402G ADVANCED ATHLETIC TRAINING (3-3-3)(S).**

Graduate

**PE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(SU).** Alternate years. Methods and techniques for classroom and 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 indentifying motor problems and plan the remedial needs for correction.

**P PSYCHOLOGY**

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

**P 421G PSYCHOLOGICAL MEASUREMENT (3-0-3)(F).**

Graduate

**P 501 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 assessing 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 (3-0-3S). 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

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

TE 423G TEACHING THE MODERATELY AND SEVERELY HANDICAPPED (3-0-3S).

TE 450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3S).

Graduate

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 this course. PREREQ: TE 501.

TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER)(3-0-3S/SL). 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 (3-0-3S/SL). The significant research concerning all phases of reading is abstracted and discussed in small group settings. Instruction in how to read research is included. Instruction in reading research is developed. PREREQ: TE 503.

TE 505 INDIVIDUAL TESTS & MEASUREMENTS (3-0-3S). An intensive investigation is pursued in the area of measurement theory followed by practical applications in individual testing and student diagnosis.

TE 507 RELATING READING PROCESS TO SECONDARY SCHOOL SUBJECTS (3-0-3S). 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 (3-0-3S). 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 (3-0-3F). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of materials and media, and research findings basic to social studies will be developed.

TE 511 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCHOOL MATHEMATICS (3-0-3S). 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 PRACTICES AND PRACTICES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3F). 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 (3-0-3S). 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 514 COUNSELING SKILLS FOR EDUCATORS (3-1-3S). The emphasis of this course shall be directed at the development of effective strategies to deal with parents, students, and peers. Major concerns to be addressed will include parent-teacher counseling and advisory, development of communication skills, and conducting intervention techniques. (PREREQ: Graduate status or PERM/INST).

TE 515 TEACHING SKILLS FOR REMEDIATION OF LEARNING DISABLED STUDENT (3-0-3F). 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 (3-0-3S). 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.
Graduate College

mosphere which are innovative and creative.

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-3)(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 (1-4-1)(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 opportunities 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 572 CREATIVE TEACHING—ELEMENTARY SCHOOL (1-0-3)(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)(SU). 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)(SU). Techniques will be taught to help teachers assess their strengths 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

1. 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.

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

3. Program areas of study are as follows:
   a. Required Courses:
      1. Art Appreciation in the Educational Program AR 501 (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 PERMISSION.
      2. 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. Summer only by request.
      3. AR 551 SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION (3-0-3)(SU). 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 PERMISSION.
      4. 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.

   b. Studio or Content; Six (6) credits in the studio. Studio concentration and emphasis will be determined by the student and his committee.
   c. 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 PERMISSION.

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. Summer only by request.

AR 551 SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION (3-0-3)(SU). 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 PERMISSION.

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.
5. A submitted portfolio of work with a full faculty review.  
PREREQ: Graduate status.

AR 598 SEMINAR IN ART (3-0-3). (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.

Master of Arts in Education—Business Education Emphasis
Admissions and Program
1. The Master's degree program is designed to meet the needs of business teachers. Because of the large number of business courses offered at the secondary level and because of the unique 'delivery systems' at that level, the program is designed with the flexibility and breadth considered necessary to meet a wide range of needs of those students enrolling.

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet the admission requirements for the degree.

Before Advancement to Candidacy can be granted, the student must:
a. ordinarily show eligibility for certification by the State of Idaho (or any other state), and
b. have completed the following prerequisite courses or their 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  
Prec. of Marketing MK 301 ........................................... 3

2. Program Requirements: A maximum of 14 credit hours may be taken from the College of Business courses (excluding BE courses).
   a. Business Core Courses ........................................ 6
   b. Business Courses ............................................. 12 credits chosen from
      1) Business Education
         BE 511 Graduate Study in Business Education (required)  . 3  
         BE 520 Curr and Instr in Typewriting, Bkkgng-Acc & DP  .. 3  
         BE 530 Curr and Instr in Business Education ..................... 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 Prncpals and Orgnztn of Voc Ed Programs .. 3  
         BE 443G Admin and Coord of Cooperative Programs ... 3  
         BE 597 Special Topics ........................................... 3
      2) Business Administration ........................................ Minimum of 6 credits  
         Chosen from MBA courses and/or "G" courses offered by
         Departments of Accounting, Economics, Information and
         Decision Sciences and Finance, Management, and Administrative
         Services, and Mathematics.
      c. Free Electives ............................................. 9
      d. Option of:
         Thesis—BE 593 ............................................. 3-4
         Project—BE 591 ............................................. 3-4
         Additional coursework ...................................... 3-6
   3. Any approved 400-level "G" courses limited to 6 credits.

Course Offerings
1. Required Courses:
a. TE 570 Graduate Core Courses ................................ 6  
b. Graduate Study in Business Education .......................... 3  
c. BE 593 Thesis or BE 591 Project .............................. 3-6

The Department recommends a thesis or project. However, the option of additional hours in Business Education is available upon approval of the Committee Chairperson.

2. Elective Courses:
   Additional courses as selected by the student and his graduate committee to meet program requirements.

ADDITIONAL INFORMATION
1. Culminating Activity and Examination. Students electing a thesis as a culminating activity will take an oral examination covering the thesis. Students electing additional course work will take a written and/or oral examination covering course work completed in their degree program.

2. While any Master of Business Administration course may be used in the requirement outline in 2.b.2), above, the following are considered to be courses most likely to be chosen:
   GB 510 Business and its Environment
   AS 512 Business Research and Communications
   MK 520 Marketing Problems
   AC 532 Accounting-planning and Control
   MG 541 Human Resources Management
   EC 560 Economics of Public Policy

For additional details contact Department Chairperson, Department of Marketing and Administrative Services, (208) 385-3451.

Course Offerings
BE—BUSINESS EDUCATION
Undergraduate
See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

BE 441-441G PRINCIPLES AND ORGANIZATION OF VOCATIONAL EDUCATION PROGRAMS—JOB ANALYSIS (3-4-3).

BE 443-443G ADMINISTRATION AND COORDINATION OF COOPERATIVE PROGRAMS (3-0-3).

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 school. PREREQ: Graduate status and PERM/INST.

BE 520 CURRICULUM AND INSTRUCTION IN SHORTHAND, TRANSCRIPTION, AND OFFICE PROCEDURES(3-3-3). 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 (3-4-3). A study of various techniques available for the improvement of instruction in bookkeeping—accounting, data processing, and typewriting. Includes an analysis of research and it's 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(3-3-3). 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 (3-4-3). 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.
Graduate College

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 earth sciences discipline. The planning, preparation, and conducting of laboratory investigations and outdoor field trip activities are emphasized. Because of the great variety of background of present secondary earth science teachers, the course offerings have been chosen and designed to allow maximum flexibility in planning individual programs. A preliminary examination, oral or written, will be administered to each candidate.

Required courses include TE 570, TE 563, GO 598 and a final thesis, project, or additional courses as determined by the committee. All other courses to be taken in the degree program are planned by the student and his graduate committee. A final comprehensive oral or written examination over course work and the thesis or project is required.

Course Offerings

GO—GEOLOGY

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

GO 403G ENGINEERING GEOLOGY (2-3-3) (S) (Field trip required).

GO 412G HYDROGEOLOGY (3-0-3) (S) (Field trip required).

GO 460G VOLCANOLOGY (2-4-2) (Field trip required)

GO 471G REGIONAL FIELD STUDY (1, 2, 3 or 3 cr)(S/F/SU).

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)(S). 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 formation. Methods of exploration geochemistry, crystalization of magmas, ore-forming solutions, isotope geochemistry. This course can be taken for undergraduate credit by filling necessary forms. PREREQ: GO 101, C 133, M204.

GO 591 PROJECT (3-0-6). 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 oral and written reports on topics in earth science and/or science education. Preparation 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.

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

   E-500 (3)
   E-593 or E-595 (3-6)
   Graduate English electives (except E 501) (12)
   Graduate Core (TE 570) (6)
   General Graduate electives (may include E 501) (9)
   Total (33)

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

   E 500 (3)
   Graduate English electives (except E 501) (15)
   Graduate Core (TE 570) (6)
   General graduate electives (may include E 501) (9)
Examination on English coursework .......................... 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 and minor 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 Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

E 487 MODERN BRITISH AND AMERICAN POETRY (3-0-3/F/S).

E 488 METHODS AND THEORIES OF LITERARY CRITICISM (3-0-3/S).

Graduate

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 METHODS OF TEACHING 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 complexity 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 folkloric 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/S). 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 method 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.

1. 33 hours with thesis
   - Education Core .................................. 6
   - History Emphasis ................................ 12
   - Free Electives .................................. 9
   - Thesis (defended orally) HY 593 .............. 6

2. 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

3. 36 hour
   - Education Core .................................. 6
   - History Emphasis ................................ 18
   - Written examination covering course work taken in the History Department toward the degree

Course Offerings

1. 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

2. Elective courses
   Additional courses from History or allied fields as planned by the students and their graduate committee to meet program requirements.

3. Additional information
   a. 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.
   b. Students electing a double emphasis will draw up their program in consultation with their committee.
   c. A maximum of six hours in 400G History courses may be substituted for seminar work in the History offerings.

Course Offerings

HY HISTORY Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.
Master of Science in Education—
Mathematics Emphasis

1. The Master of Science in Education with a Mathematics emphasis may be obtained through any of the following three options.

   a. The 30-hour “examination option”
      - Graduate Core ........................................ 6
      - Mathematics Sequence and Seminar ................. 9
      - One mathematics course exclusive of M 503, 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

   b. 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
b. The 33-hour “thesis option” is the same as the “project option” except that M 591 is replaced with M 593

2. Mathematics Requirements

   a. Required Courses
      - M 501, 502 Real Analysis I, II or M 541M 542 Modern Algebra 3
      - M 598 Seminar in Mathematics .......................... 3
   
   b. Elective courses—Additional courses planned by the students and their graduate committee to meet program requirements.

3. Additional Information

   a. Credit in Workshop (594 or 599) is limited to a total of 3 credits to be applied to partial fulfillment of the requirements for the emphasis in Mathematics.
   
   b. Some students may be required to remove deficiencies before admission to candidacy. Students with strong undergraduate mathematics may apply to challenge, waive, or replace parts of the emphasis requirements.
   
   c. Students considering this program should consult with the 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

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

M 406G THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3-0-3)(F).
M 456G LINEAR PROGRAMMING (4-0-4)(S).

Graduate

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, generalization of convergence, continuity, product spaces. PREREQ: M 401 or M 501 or PERM/INST.
M 541G-542G ABSTRACT ALGEBRA I, II (3-0-3). Mappings, the integers, groups, subgroups, 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.

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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

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

2. All regular and provisional graduate students will be required to take diagnostic examinations during the first part of their first semester in attendance. The purpose of these examinations is to determine the student's strengths and weaknesses so that the student and her/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.

1. Required Courses
   MU 503 Introduction to Research Materials in Music Education 3
   MU 570 New Developments in Music Education 3
   Culminating activity (thesis or final project) or additional course work 3-6
   TE 570 Graduate Core courses 6
   Total hours 30-33

2. Elective Courses
   A minimum of 10 elective credits must be taken in the areas of performance, conducting, theory and analysis, and/or history and literature. These courses include all MC 500 (applied music) courses, ME 510, ME 515, ME 520, MU 501, MU 506, MU 511, and MU 561.
   Additional courses will be planned by the student and his graduate committee.

Course Offerings

MC MUSIC PRIVATE LESSONS PERFORMANCE STUDIES

Graduate

Students will be assigned on the basis of an audition. Performance, Technical Study, Musical Interpretation, Literature, and Teaching Technique will be stressed.

All 500 level MC courses are repeatable for credit to a maximum of 6 credits. See undergraduate Private Lesson Performance Studies course numbering system for explanation of course numbers.

MC 501 (0-5-1), 502(0-5-2) Woodwind instruments private lessons.
MC 511 (0-5-1), 512(0-5-2) Brass instruments private lessons.
MC 521 (0-5-1), 522(0-5-2) Percussion instruments private lessons.
MC 531 (0-5-1), 532 (0-5-2) Voice private lessons.
MC 541 (0-5-1), 542 (0-5-2) Keyboard instruments private lessons.
MC 551 (0-5-1), 552(0-5-2) Fretted string instruments private lessons.
MC 561 (0-5-1), 562 (0-5-2) Bowed string instruments private lessons.

ME MUSIC ENSEMBLE

Graduate

ME 510 CHORAL ENSEMBLE (0-2-1F/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 the musical theater repertoire. May be repeated for up to 4 credits maximum. PREREQ: PERM/INST.
ME 520 INSTRUMENTAL ENSEMBLE (0-1-3F/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, interpretation, scoring, articulation and proper performance practice of ensemble literature.
MU MUSIC, GENERAL

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

MU 423g SIXTEENTH CENTURY COUNTERPOINT (3-0-3F).
MU 424g COUNTERPOINT SINCE 1600 (3-0-3F).

Graduate

MU 501 HISTORY OF MUSIC IN THE UNITED STATES (3-0-3F/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 (3-0-3F/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 education 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 (3-0-3F/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 (3-0-3F/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 (3-0-3F/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 (3-0-3F/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 (3-0-3F/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.
C CHEMISTRY

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

C 401G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F).
C 411G INSTRUMENTAL ANALYSIS (2-4-4)(S).
C 431G INTRODUCTION TO BIOCHEMISTRY (3-0-3)(F).
C 432G BIOCHEMISTRY LABORATORY (0-3-1)(S).
C 433G BIOCHEMISTRY (3-0-3)(S).

Graduate

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.

Graduate Credits In Chemistry

There are additional graduate level courses available that may be offered on special request by the department of Chemistry. Descriptions of these courses follow. In addition, there are some undergraduate chemistry courses for which graduate credit may be earned. These are listed below, but complete course descriptions are found with the Department of Chemistry listing.
School of Vocational Technical Education

Dean: Donald V. Heelas, Ed.D.
Assistant Dean: Tom Denison, Ph.D.
Vocational Counselors: Nothern, Quinowski

School of Vocational Technical Education Emeriti:
Buchanan, Callies, Fleshman, Fuehrer, Hager, Krigbaum, Lamborn, Leigh, Tennyson, Thompson, Trapp, Weston

Objectives of Vocational Education

To provide the opportunity for state and local citizens to acquire the education necessary:
1. To become employed, to succeed, and to progress in a Vocational Technical field.
2. To meet the present and anticipated needs of the local, state and national economy for employees with a Vocational Technical education.
3. To become contributing members of the social, civic, and industrial community.

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. Completion of an entrance assessment.
4. Personal interview with a School of Vocational Technical Education counselor.
5. $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 thirty calendar days before classes begin.

A limited number of students can be accepted in each program so all admission requirements should be completed early.

When steps 1-4 have been completed and you have been accepted by the Vocational Technical School, you are eligible to pay the $75.00 advance deposit. You are not in a program until steps 1 through 5 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 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 to enter the Bachelor of Applied Science degree program must be obtained from the School of Vocational Education.
Minimum Requirements

Vocational Technical Education Major ........................................ 64

Areas of Emphasis:
1. Business Machine Technology
2. Child Care Studies (Supervisor)
3. Drafting
4. Electronic Service Technology
5. Electronics-Semi-Conductor Technology
6. Electronics Technology
7. Horticulture Service Technician
8. Machine Shop
9. Marketing: Mid-Management

NOTE: University Core courses EC 201, EC 202, CM 111, and P 101 used in fulfilling Marketing: Mid-Management Major cannot be used to satisfy credits for Area II. See the Marketing Department listing in the College of Business for additional specifications.

General University Requirements ........................................ 64

English Composition .................................................. 3-6
Math 105 and Math 106 .................................................. 8

NOTE: Math 105 and Math 106 are required in recognition that Bachelor of Business degrees require a minimum math competency of M 105 and M 106. These two courses are not to be used for Area III.

Area I (must have three fields) ........................................ 12

- Art
- Foreign Language (201 or higher of one language)
- Humanities
- Literature
- Music
- Philosophy
- Theatre Arts

Area II (must have three fields) ........................................ 12

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

Area III (must have two fields) ........................................ 12

- Biology
- Chemistry
- Engineering
- Geology
- Mathematics
- Physical Science

-Additional credits from Areas II & III .................................. 9

NOTE: Must have a C grade in each Core Curriculum course and an overall GPA of 2.0.

Electives to total sixty-four credits ........................................ 64

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.
   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.

Business and Service Division

Manager: Bonnie Sumter Dental Assisting: Imbs, MacInnis; Practical Nursing: Baichtal, Dallas, Heist, Mccollough, Towle; Surgical Technology: Curtis; Child Service/Management: Lingenfelter, Gourley; Culinary Arts: Hoff, Walsh; Horticulture: Oyler, Maki; Mid-Management: Lane; Office Occupations: Butler, Carlton, Enyart, Metzgar, Williamson.

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. 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.

<table>
<thead>
<tr>
<th>1st</th>
<th>2nd</th>
<th>SEM</th>
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</thead>
<tbody>
<tr>
<td>Dental Laboratory DA 101-102</td>
<td>4</td>
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<tr>
<td>Dental Radiology DA 104</td>
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<tr>
<td>Dental Assisting Clinical Experience DA 106</td>
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<tr>
<td>Dental Office Management DA 108</td>
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<tr>
<td>Public Health and Dental Hygiene DA 109</td>
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<tr>
<td>Communication Skills DA 111-112</td>
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<td>Dental Theory DA 151-152</td>
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<td>Occupational Relationships DA 262</td>
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<td>Fundamentals of Speech CM 111</td>
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<tr>
<td>Standard First Aid and CPR PE 121</td>
<td>24</td>
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</tr>
</tbody>
</table>

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 (3-3-4)(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 chairside 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(FS)). 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 DENTAL THEORY (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.

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### 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 State 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 remodelling 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 Boise program, which begins in January; ten students will be selected for the Nampa program, which begins in September. All application materials must be in the Health Occupations Education Office by September 15 for the Boise program and by March 15 for the Nampa program.

The courses will be offered at various times during the eleven months depending upon the admission date and the availability of clinical experiences. This curriculum meets the requirements for hours and content for the Idaho State Board of Nursing.

A student must complete the following requirements to graduate from the program.

- Professional Concepts PN 101 ........................................... 2
- Anatomy and Physiology for Practical Nursing PN 102 ............. 4
- Medical-Surgical Nursing PN 104 .................................... 7
- Nutrition and Diet Therapy PN 103 .................................. 2
- Emergency Nursing Concepts PN 106 ................................ 2
- Pharmacology for Practical Nursing PN 107 ....................... 3
- Pharmacology Clinical PN 108 ........................................ 1
- Geriatric Nursing PN 109 ............................................. 1
- Geriatrics Clinical PN 110 ............................................. 8
- Maternal and Infant Clinical PN 112 ................................. 2
- Pediatric Clinical PN 113 .............................................. 2
- Fundamentals of Nursing PN 114 ..................................... 5
- Clinical Foundations PN 115 ........................................... 3
- Community Health and Microbiology PN 120 ...................... 1
- Medical-Surgical Nursing I PN 121 ................................ 8
- Medical-Surgical Nursing II PN 122 ................................ 7
- Growth and Development PN 123 .................................. 1

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### Course Offerings

#### PN PRACTICAL NURSING

PN 101 PROFESSIONAL CONCEPTS (2-0-2(FS)). Topics of study for Practical Nursing Professional Concepts will include job seeking skills, legal and ethical aspects and historical development of the field.

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 (0-4-2). Clinical experience for PN 124. PREREQ: PN 124.

PN 113 PEDIATRIC CLINICAL (0-4-2). 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 (1-4-1). A study of the health needs of the individual, the family, the community and microbiology.

PN 121 MEDICAL AND SURGICAL NURSING I (0-0-8). 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 (0-0-7). 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.
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.

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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</thead>
<tbody>
<tr>
<td>ST 100 Introduction &amp; Basic Sciences</td>
<td>3</td>
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<tr>
<td>ST 101 Operating Room Techniques</td>
<td>4</td>
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<tr>
<td>ST 110 Care of Surgical Patient</td>
<td>4</td>
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<tr>
<td>ST 111 Surgical Procedures</td>
<td>7</td>
<td></td>
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<tr>
<td>ST 131 Clinical Practice</td>
<td>3</td>
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<tr>
<td>ST 132 Advanced Clinical Practice</td>
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<tr>
<td>PE 121 Standard First Aid and CPR</td>
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<tr>
<td>Z 111 Anatomy and Physiology</td>
<td>4</td>
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<tr>
<td>Z 112 Anatomy and Physiology</td>
<td>19</td>
<td>18</td>
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</table>

Day Care Assistant—Nine Month Program

Certificate of Completion

This program will provide students with the opportunity to direct children's play, provide food, supervise workers, and manage resources in a child care setting. Completion of the program defined as Child Care Assistant is a prerequisite to the supervisor level program.

<table>
<thead>
<tr>
<th>Day Care Assistant</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Child Development CC 101</td>
<td>3</td>
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</tr>
<tr>
<td>Intro to Child Development CC 151</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Communication Skills CC 111-112</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Health and Care of the Young Child CC 141</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Curriculum of the Young Child CC 171-172</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Child Care Laboratory CC 181-182</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Plan and Eval of Laboratory CC 191-192</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

Day Care Teacher/Supervisor—Two Year Program

Certificate of Completion

This two-year program will provide students with the opportunity to direct children's play, provide food, supervise workers, and manage resources in a day care setting. Completion of the program defined as Child Care Teacher/Supervisor is a prerequisite to the supervisor level program.

<table>
<thead>
<tr>
<th>Day Care Teacher/Supervisor</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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</thead>
<tbody>
<tr>
<td>Advanced Child Care CC 255</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Intro to Kindergarten Curriculum CC 256</td>
<td>2</td>
<td></td>
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<tr>
<td>Infant Care CC 257</td>
<td>2</td>
<td></td>
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<tr>
<td>Child Care Center Management CC 231-232</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Family and Community Involvement with Child CC 252</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Occupational Relationships CC 261</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Feeding Children CC 241-242</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Child Care Center Supervision CC 201-202</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Plan and Eval of Child Care Center Superv CC 235-236</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

Course Offerings

CC CHILD CARE STUDIES

CC 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-4-3). 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 (3-3-3). 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 (O-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 (2-2-2). 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 (3-3-3). 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 (3-3-3). 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 (6-12-3). 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 arrangements, schedules, child guidance, staff responsibilities.

CC 201-202 CHILD CARE CENTER SUPERVISION (1-2-4). 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 (6-9-3). A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and
CA 260 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 objective of the Horticulture Program is to prepare students for employment in the Landscape, Nursery, Floral, Greenhouse, and Fruit and Vegetable industries. This includes the production, sales and service areas of these major fields. The program stresses the design of landscapes, their interpretation and construction including costs, production of nursery plants, plant propagation, and landscape planting. Graduates of the Horticulture program qualify for positions in Nursery and Floral establishments as well as in Parks, Grounds, Maintenance, and Highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course Offering</th>
<th>1st Semester</th>
<th>2nd Semester</th>
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<tbody>
<tr>
<td>Horticulture Laboratory HO 101-102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Communication Skills HO 111-112</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Related Basic Mathematics HO 131-132</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Related Basic Science HO 141-142</td>
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<tr>
<td>Horticulture Theory HO 151-152</td>
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SOPHOMORE YEAR

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<tr>
<th>Course Offering</th>
<th>1st Semester</th>
<th>2nd Semester</th>
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<tbody>
<tr>
<td>Horticulture Laboratory HO 201-202</td>
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<tr>
<td>Related Science HO 241-242</td>
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<tr>
<td>Horticulture Theory HO 251-252</td>
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<tr>
<td>Occupational Relationships HO 262</td>
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<td>Individual Project HO 271-274</td>
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<td>Consumer Marketing MM 201-205</td>
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<td>Salesmanship MM 101</td>
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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 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 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)FS. 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 principles 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.
The Office Occupations Program is designed to meet the needs of industry and government. Prior to entering the program, the students must apply all his prior education in planning, developing, and completing a unique, practical horticulture project.

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

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course Offerings</th>
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<th>2nd</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Introduction to Business GB 202</td>
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<tr>
<td>Math or Information-Decision Science Elective</td>
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<tr>
<td>Salesmanship MM 101</td>
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<td>Introduction to Accounting AC 205</td>
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<tr>
<td>Principles of Economics-Macro EC 201</td>
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<td>Mid-Management Practicum MM 100</td>
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<tr>
<td>Elements of Management MM 103</td>
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<tr>
<td>Fundamentals of Speech Communication CM 111</td>
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<tr>
<td>Business Communication OF 100</td>
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SOPHOMORE YEAR

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<tr>
<td>Consumer Marketing MM 201</td>
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<tr>
<td>Principles of Economics-Micro EC 202</td>
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<td>-</td>
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<tr>
<td>Principles of Advertising MM 203</td>
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</table>

NOTE: The Marketing Mid-Management program is also listed in this Catalog in the College of Business section.

NOTE: MM Courses are listed under the Department of Marketing in the College of Business portion of this Catalog.

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. Prior to 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:

SECRETARY—2 Semesters

<table>
<thead>
<tr>
<th>Course Offerings</th>
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<tbody>
<tr>
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<tr>
<td>Business Communications OF 110</td>
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<td>Word Processing OF 114</td>
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CLERK-TYPIST—2 Semesters

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<td>Business Communications OF 110</td>
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CLERK-GENERAL OFFICE—2 Semesters

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<td>Filing OF 112</td>
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Course Offerings

OF OFFICE OCCUPATIONS

OF 100 BOOKKEEPING I (3-4-5SF). Covers the entire bookkeeping cycle for sole proprietorship bookkeeping. Includes journalizing, posting, financial statements, payroll, and closing procedures.

OF 101 BOOKKEEPING II (3-4-5SF). 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 I (2-4-8F/S). Theory and keyboard operations on the typewriter with application for personal or business use. Developing/measuring basic skills.

OF 103 TYPING II (2-4-12F/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 (2-3-41F/S). Continued study of typewriting procedures to develop speed and accuracy in office applications. Measuring basic/production skills.

OF 110 BUSINESS COMMUNICATIONS (5-0-5SF). Emphasis on developing grammar skills such as parts of speech, punctuation, capitalization, spelling, and vocabulary skills.

OF 112 FILING I (1-4-1F/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 (2-3-3SF). 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 updated word processing equipment. Emphasis is placed on creation, storage, and retrieval of typed material.

OF 115 SHORTHAND I LAB (0-2-1F). Open lab to be used in conjunction with OF 121.

OF 116 RECORD KEEPING (2-3-4SF). Fundamental operations of Proceeds from very simple clerical tasks to the introduction of elementary double-entry bookkeeping concepts. Develops skills and knowledge that students can use in simple clerical office jobs in which recordkeeping is involved.

OF 117 SHORTHAND II LAB (0-2-1F). 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)). 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)). 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.

Mechanical Division

Manager: Charles Tillman; Agricultural Equipment Technology: Gaines; Auto Body: Parke; Auto Mechanics: Mikesell, Hall; Heavy Duty Mechanics: Tillman, Brownfield, Hogue; Small Engine Repair: Schroeder; Wastewater Technology: Place.

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.

SUBJECTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
<th>Spring</th>
</tr>
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<tbody>
<tr>
<td>AE 101-102 Agricultural Equipment Lab</td>
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<tr>
<td>AE 151-152 Agricultural Equipment Theory</td>
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<td>AE 262 Occupational Relationships</td>
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<tr>
<td>AE 262 Laboratory Course</td>
<td>16</td>
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</table>

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.


Auto Body—Eleven Month Program

Certificate of Completion

The Auto Body Program curriculum is designed to provide the student with the basic skills necessary for employment in the auto body industry. 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 satisfactorily completion of all skills in the eleven month program.

Course Offerings

AB AUTO BODY

AB 121-122-123 AUTO BODY LABORATORY (0-25-10)(F/S) (SU). The purpose of these courses is to develop the skills needed by an auto body repairman. Subjects covered include: orientation, safety rules, shop housekeeping, 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)(S), (8-0-7)(S), (10-0-7)(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 RELATIONSHIPS (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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Fall</th>
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<th>Summer</th>
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<tr>
<td>AM 105 Tune-up and Drive Train</td>
<td>15</td>
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<tr>
<td>AM 106 Engine and Brakes</td>
<td>15</td>
<td>-</td>
<td>-</td>
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<tr>
<td>AM 107 Front End &amp; Air Cond</td>
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<td>-</td>
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</tr>
<tr>
<td>AM 262 Occupational Relations</td>
<td>15</td>
<td>-</td>
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</tbody>
</table>

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 RELATIONSHIPS (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 entry level employment in the heavy mechanics field. Instruction will include the basics in design and fundamentals of operation of gasoline and diesel engines, heavy duty trucks, equipment and component parts. Instruction will be on mock-ups and actual working units.
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 (08-28-15)(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., lawn mowers, outboard motors, chain saws, rotary tillers and recreational vehicles. The instructional units will emphasize the complete repair of all types of small engine equipment.

Course Offerings

SE SMALL ENGINE REPAIR

SE 101 SMALL ENGINE LABORATORY (0-32-0). Includes application and instruction in repair and overhaul of small engine units with emphasis on lawn and garden equipment.

SE 102 SMALL ENGINE LABORATORY (32-0-3). 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.

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 employment.

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.

Course Offerings

RH AIR CONDITIONING, REFRIGERATION AND HEATING

RH 121-122-123 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (30-20-30)(30-20-30). 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 Linewoker—Eleven Month Program

Certificate of Completion

The Electrical Linewoker 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 entry level linewoker who is familiar with 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.

Course Offerings

EL ELECTRICAL LINEWOKER

EL 101-102-103 ELECTRICAL LINEWOKER LABORATORY (25-10-30). 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 LINEWOKER THEORY (10-0-5). 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 (2-0-2FL). 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.

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 on an area wastewater facility.

SUBJECTS

<table>
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<tr>
<th></th>
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<tr>
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<tr>
<td>WW 132 Wastewater Math II</td>
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<td>WW 107 Wastewater Bio-Chem Lab I</td>
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<td>WW 104 Wastewater Mechanical Lab I</td>
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<td>WW 106 Wastewater Treatment Plant Ops I</td>
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<td>WW 152 Wastewater Treatment Plant Ops II</td>
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<td>Plant Practicum WW 105</td>
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Course Offerings

WW 103 WASTEWATER BIO-CHEM LAB I (3-8-5). Introduction to standard laboratory equipment, safety procedures, and practices. Some basic wastewater testing will be performed.

WW 104 WASTEWATER MECHANICAL LAB I (3-8-5). Introduction to, and use of hand tools, power tools, bench mounted tools, presses, etc. Nomenclature of the various types of pumps, blowers, air compressors, clarifiers, and other machinery used in wastewater treatment. Field trips to the various types of wastewater treatment facilities will be made at the beginning. As individual treatment units are discussed, field trips will be made to inspect that unit only.

WW 105 IN PLANT PRACTICUM (8-4-8). 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 106 WASTEWATER MECHANICAL LAB II (3-8-5). Hands-on assembly and disassembly of the various pieces of machinery used in wastewater treatment. Installation of packing and mechanical seals in pumps and valves. Basic oxyacetylene and arc welding. Reading blueprints and schematics. Learning basic skills of pipefitting. Field trips to surrounding industrial wastewater treatment facilities will be made.

WW 107 WASTEWATER BIO-CHEM LAB II (3-8-5). Continuation of laboratory procedures. Standardization of chemicals and testing apparatus. Maintenance of lab equipment. Chemistry mathematics dealing with the normalizing of solutions, balancing reaction equations, etc. Testing procedures required for N.P.D.E.S. permit reporting will be performed. Procedure and logic for research testing will be introduced.


WW 132 WASTEWATER MATHEMATICS II (3-8-3). Intermediate mathematics covering algebra, chemistry calculations, geometric means, logarithms, electrical circuitry, horsepower calculations, etc.

WW 151 WASTEWATER TREATMENT PLANT OPERATIONS (3-0-3). 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 (3-0-3). Secondary treatment processes including trickling filters, aerobic biological filter, rotating biological contactors, oxidation ditches, with heavy emphasis on activated sludge process control. Plant process interaction, report writing, budget preparation and finance, and related first aid and safety.

Technical Division

Manager: Gary Arambars; Electronics Technology: Carlson, Dodson, Pyle, Sluder, Stack; Drafting Technology: Benton, Burkey, Olson, Watts; Industrial Mechanics: Allen; Machine Shop: Wertman, Glassen; Welding: Baldwin; Business Machine Technology: Cadwell, Jones, Jansson.

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.

FRESHMAN YEAR

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<td>ET 111-112 Communication Skills</td>
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<td>ET 131-132 Electronics Math I</td>
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<tr>
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<td>ET 151-152 Electronics Theory</td>
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SOPHOMORE YEAR

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<td>ET 251 Linear Systems ET</td>
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<td>ET 252 Telecommunications Systems ET</td>
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<td>ET 262 Occupational Relations</td>
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</tr>
<tr>
<td>ET 273 Solid State Devices I</td>
<td>2</td>
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<tr>
<td>ET 274 Solid State Devices Lab II</td>
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<td>-</td>
</tr>
<tr>
<td>ET 275 Digital Systems III ET</td>
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<tr>
<td>ET 276 Digital Systems Lab III ET</td>
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<tr>
<td>ET 277 Microprocessor Systems</td>
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<tr>
<td>ET 278 Microprocessor Systems Lab</td>
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<tr>
<td>*Occupational Electives</td>
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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: CM 101, EC 201, EC 202, AC 205, AC 206, CB 202, IS 210, CM 111, CM 131, CM 221 CM 251, MG 301, LS 103, 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.

165
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 113 TECHNICAL REPORT WRITING (1-4-2)(F/S). Composition of standardized technical reports, proper usage of electrical schematic drawings and proper usage of headings and punctuation.

ET 131 ELECTRONICS MATHEMATICS I (3-2-3)(F/S). The number system, algebra and algebraic equations, functions and the graphing of functions, exponential and logarithmic equations, and plane geometry and trigonometry.


ET 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 ac circuits, properties of reactance and impedance, ac circuit analysis, tuned circuits and resonance, mutual inductance and transformers. PREREQ: ET 151.

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 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 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 equivalent.

ET 183 INTEGRATED CIRCUIT PROCESSING I (2-2-2). A descriptive treatment, in some chemical and mathematical detail, of the processes used to manufacture integrated circuits. PREREQ: ET 181, ET 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 251 LINEAR SYSTEMS (3-2-3)(F/S). Linear circuit processing. Operational amplifier circuits, comparators, oscillators, logarithmic amplification, active signal filtering, operational amplifier power supply considerations. PREREQ: ET 152.


ET 262 OCCUPATIONAL RELATIONS (2-0-2)(F). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.


ET 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 (3-2-2)(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, LASCOR devices, power field effect transistors, solid state temperature sensors and strain gauges. PREREQ: ET 172.

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). 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Adv. Electronics Lab ES 201-202</td>
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<tr>
<td>Intro to Computer Programming ES 204</td>
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</tr>
<tr>
<td>Advanced Electronics Technology ES 253-256</td>
<td>4</td>
</tr>
<tr>
<td>Individual Study ES 275</td>
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</tr>
<tr>
<td>Electives (Economics &amp; Industrial &amp; Human Relations)</td>
<td>3</td>
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</tbody>
</table>

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 253-256 (analog) and ES 271-272 (digital).

ES 204 INTRODUCTION TO COMPUTER PROGRAMMING (2-0-2). Introduces FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and subroutines, as applied to problem solving and required by the service industry.

ES 253 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.

School of Vocational Technical Education

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.

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.

First Semester

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>Drafting Lab and Lecture DT 101</td>
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<tr>
<td>Communication Skills DT 111</td>
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<tr>
<td>Mathematics DT 131</td>
<td>3</td>
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<tr>
<td>Applied Physics DT 141</td>
<td>3</td>
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<tr>
<td>Manufacturing Processes DT 153</td>
<td>2</td>
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Second Semester

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<thead>
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<th>Course Code</th>
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<td>Communication Skills DT 112</td>
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<tr>
<td>Introduction to Surveying DT 122</td>
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<tr>
<td>Mathematics DT 132</td>
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<tr>
<td>Applied Physics DT 142</td>
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<tr>
<td>Construction Codes DT 172</td>
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Third Semester

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<td>Drafting Lab and Lecture DT 201</td>
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<tr>
<td>Descriptive Geometry DT 221</td>
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<tr>
<td>Applied Mathematics DT 231</td>
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<tr>
<td>Statics DT 241</td>
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<tr>
<td>Graphics DT 261</td>
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<tr>
<td>Occupational Relationships DT 262</td>
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Fourth Semester

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<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Drafting Lab and Lecture DT 202</td>
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<tr>
<td>Technical Report Writing DT 222</td>
<td>2</td>
</tr>
<tr>
<td>Applied Mathematics DT 232</td>
<td>3</td>
</tr>
<tr>
<td>Specialized Graphics DT 263</td>
<td>3</td>
</tr>
<tr>
<td>Strength of Materials DT 242</td>
<td>4</td>
</tr>
</tbody>
</table>

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 compensation and bending; introduction to limited structural design. PREREQ: DT 101.

DT 111, 112 COMMUNICATION SKILLS (3-0-3) (F). 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, percentages, powers, operations with signed numbers, solutions of simple equations, factor-
ing 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 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 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). Objective: to enable students to meet on-the-job standards of report preparation in the field of drafting.

DT 231 APPLIED MATHEMATICS (3-1-3). Solution of practical problems involving concepts from DT 131 and DT 132 Math. PREREQ: DT 132.

DT 232 APPLIED MATHEMATICS (3-1-3). Application and expansion of mathematics, statics and strength of materials. Related to lab projects. PREREQ: DT 231.

DT 241 STATICS (4-0-4). Introductory course in statics with emphasis on analysis of simple structures. PREREQ: DT 132.


DT 261 GRAPHICS (1-1-1)(FS). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. (Open to non-drafting technology majors—space permitting.

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).

Industrial Mechanics/Automation—Nine Month Program

Certificate of Completion

The Industrial Mechanics/Automation Program is designed to prepare technicians with entry level skills relevant to increasingly complex automated industrial environments.

Emphasis is on design, operation, maintenance, diagnosis and troubleshooting of modern systems as found in the workplace today. Preventive maintenance techniques and job safety are stressed.

SUBJECTS

<table>
<thead>
<tr>
<th>SUBJECTS</th>
<th>1st SEM</th>
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<tr>
<td>Maintenance Welding Technology IM 101</td>
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<tr>
<td>Maintenance Machine Fundamentals IM 102</td>
<td>3</td>
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<tr>
<td>Electro-Mechanical Systems IM 110-111</td>
<td>3</td>
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<tr>
<td>Basic Fluid Power Operations IM 121-122</td>
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<td>Industrial Mechanical Laboratory IM 131-132</td>
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<tr>
<td>Occupational Relationships IM 262</td>
<td>2</td>
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</tbody>
</table>

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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, hydrosstats, and accessories.

IM 131-132 INDUSTRIAL MECHANICAL LABORATORY (0-20-3)(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/T1 System. Demonstrations of programming and operating techniques are given to 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 measurement and test equipment being used by metals manufacturing industries.

Students who choose not to take CM-111 and two approved electives will receive a machine shop diploma.

FRESHMAN YEAR

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>Machine Shop Laboratory MS 101-102</td>
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<tr>
<td>Communication Skills MS 111</td>
<td>3</td>
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<tr>
<td>Blueprint Reading MS 124-125</td>
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<tr>
<td>Basic Math MS 132</td>
<td>2</td>
<td>3</td>
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<tr>
<td>Machine Shop Theory MS 151-152</td>
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<td>Occupational Relationships MS 262</td>
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<tr>
<td>Fundamentals of Speech Commun CI 111</td>
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SOPHOMORE YEAR

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<tr>
<th>Course</th>
<th>Fall</th>
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<tr>
<td>Advanced Machine Shop Lab MS 201-202</td>
<td>6</td>
<td>6</td>
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<tr>
<td>Blueprint Reading &amp; Layout MS 221-222</td>
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<tr>
<td>Advanced Math MS 231-232</td>
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<tr>
<td>Advanced Machine Shop Theory MS 251-252</td>
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<tr>
<td>Elective (on approval)</td>
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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). A 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 (2-0-4). 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 used in the machine shop.

MS 151-152 MACHINE SHOP THEORY (3-9-3). 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 surface grinders, 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 grinders, 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 (6-6-6). 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). 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 metal arc welding (SMAW), oxygen- acetylene (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen- acetylene cutting of ferrous metals, plasma-arc cutting of non-ferrous metals, and the use of carbon arc cutting equipment. The first 9 months will be basic to intermediate welding. The summer session will be of a two-tract design. First, the design will permit students who need more time to satisfy requirements on performance based objectives for the basic portion of the program; and second, to permit the advanced students to further their skills, and to concentrate in more technical areas.

The program is designed to produce skilled workers in the areas of welding and blueprint interpretation as well as layout and fitting. The student will do all lab work based upon performance based objectives. Students will utilize all tools and equipment in their trade with a continual emphasis on safety.

SUBJECTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<td>Lab W 101-102-103</td>
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<tr>
<td>Theory W 151-152</td>
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<tr>
<td>Blueprint Read &amp; Layout W 121-122</td>
<td>3</td>
<td>7</td>
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<td>Welding Communication W 111</td>
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<td>Occupational Relations W 262</td>
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<td>Elective</td>
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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 arc equipment.

W 103 WELDING LECTURE/LABORATORY (0-20-3). Summer session (2 months) for basic students to continue on track and for advanced students to work into TIG, PIPE and qualification tests. Further analysis of blueprint analysis, properties of materials, and safe operating procedures is given.

W 111 WELDING COMMUNICATIONS (3-0-3). An examination of interpersonal communication. Focuses on communication in life-long learning, awareness of self, communicative relationships and written communications.

W 121-122 BLUEPRINT READING AND LAYOUT (6-3-0). Fall semester will include blueprint, basics of structural steel layout and fitting procedures. Spring semester will include blueprint, layout and 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). 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 rigiding and handling, and all aspects of safety.

W 262 OCCUPATIONAL RELATIONS (2-0-2). An examination of occupational requirements. Focuses on job seeking skills, employee and employer relations, social security and workmen's compensation laws, C.P.R. and First Aid.

Business Machine Technology—Two Year Program

Associate of Applied Science Degree

The program in Business Machine Technology has been developed to give the student the basic knowledge to perform as an entry level technician. 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 trained in electronics and mechanical principles, with specialized training on mini-computers, typewriters, word processing, electronic cash registers and other business machines.
School of Vocational Technical Education

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course Offering</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
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<tbody>
<tr>
<td>Business Machine Technology BM 155-156</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Basic Electronic Theory BM 157-158</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Communication Skills BM 111-112</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Customer Relations BM 113</td>
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<td>2</td>
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</table>

| Course Offering                      | 16       | 18      |

SOPHOMORE YEAR

<table>
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<tr>
<th>Course Offering</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
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<tr>
<td>Advanced Business Machine Technology</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Advanced Electronic Theory BM 271-272</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

| Course Offering                      | 18       | 18      |

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).

Apprenticeship, Trade Extension and Job Upgrading

Managers: Gary Arambarrri, Bonnie Sumter, Charles Tillman. 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 sheetmetal, carpentry, plumbing, welding, electricity, electronics, typing, automobiles, nursing, and farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University School of Vocational Technical Education. Phone: (208) 385-1974.

High School Equivalency (GED Preparation—No Credit)

The High School Equivalency Program is designed for people who are performing below a twelfth grade academic level. This program is designed to help students prepare for the high school Equivalency Test (GED). There is no charge for this service. Persons needing to pass the GED test should call the Adult Basic Education Learning Center at (208) 385-3681.

Pre-Technical Instruction

The School has assistance available for persons interested in entering programs who need brushup tutorial assistance to meet entrance requirements. There is no charge for this service. Interested persons should contact the Vocational Student Services Office at (208) 385-1144.
### Boise State University Faculty

**Full-Time Official Faculty As of January, 1986**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ackley, Louise</td>
<td>Assistant Professor, English; M.A.</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Affleck, Stephen B.</td>
<td>Associate Professor, Engineering; Ph.D.</td>
<td>Iowa State University</td>
</tr>
<tr>
<td>Allen, John W.</td>
<td>Associate Professor, Physics; Ph.D.</td>
<td>Harvard University</td>
</tr>
<tr>
<td>Allen, Robert L.</td>
<td>Advanced Instructor, Industrial Mechanics; B.A.</td>
<td>Boise State University</td>
</tr>
<tr>
<td>Anderson, Robert</td>
<td>Professor, Mathematics; Ph.D.</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Arambarri, Gary</td>
<td>Senior Instructor, Welding; Coordinator, Technical Division; Diploma, Boise State University</td>
<td></td>
</tr>
<tr>
<td>Ashworth, Lonny J.</td>
<td>Associate Professor, Respiratory Therapy; M.S.</td>
<td>College of Idaho</td>
</tr>
<tr>
<td>Ayers, Karen L.</td>
<td>Assistant Professor, Mathematics; Ph.D.</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>Baichtal Melanie</td>
<td>Instructor, Practical Nursing; B.S., Cal State</td>
<td>California State University</td>
</tr>
<tr>
<td>Baker, Charles W.</td>
<td>Professor, Biology; Ph.D.</td>
<td>Oregon State University</td>
</tr>
<tr>
<td>Baker, Donald</td>
<td>Assistant Professor, History; Ph.D.</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Baker, Elizabeth</td>
<td>Associate Professor, Nursing; M.S.</td>
<td>University of California San Francisco</td>
</tr>
<tr>
<td>Baker, Richard P.</td>
<td>Professor, Sociology; Chairperson, Soc Anthro, &amp; CJIA Department; Ph.D.</td>
<td>Washington State University</td>
</tr>
<tr>
<td>Baldassarre, Joseph A.</td>
<td>Assistant Professor, Music; M.A.</td>
<td>Baldwin-Wallace College</td>
</tr>
<tr>
<td>Baldwin, Ronald</td>
<td>Senior Instructor, Welding; M.S.</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>Baldwin, John B.</td>
<td>Professor, Music; Ph.D.</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Ball, Richard</td>
<td>Professor, Mathematics; Ph.D.</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>Banks, Richard C.</td>
<td>Professor, Organic Chemistry; Ph.D.</td>
<td>Oregon State University</td>
</tr>
<tr>
<td>Barrett, Gwynn W.</td>
<td>Professor, History; Ph.D.</td>
<td>Brigham Young University</td>
</tr>
<tr>
<td>Barsness, Wylla D.</td>
<td>Professor, Psychology; M.A.</td>
<td>University of Minnesota</td>
</tr>
<tr>
<td>Barton, Charles Ray</td>
<td>Associate Professor, Political Science; Ph.D.</td>
<td>University of Alabama</td>
</tr>
<tr>
<td>Bauwens, Jeanne</td>
<td>Assistant Professor, Teacher Education; Ed.D.</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>Bechard, Marc Joseph</td>
<td>Associate Professor, Biology; Ph.D.</td>
<td>Washington State University</td>
</tr>
<tr>
<td>Beley, Jeanne Marie</td>
<td>Assistant Professor, Music; M.A.</td>
<td>Ball State University</td>
</tr>
<tr>
<td>Benson, Elmo B.</td>
<td>Associate Professor, Art; Ed.D.</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>Bentley, Elton B.</td>
<td>Associate Professor, Geology, Geophysics; Ph.D.</td>
<td>University of Oregon</td>
</tr>
<tr>
<td>Benton, Danny</td>
<td>Instructor, Drafting Technology; B.S.</td>
<td>La Salle Extension University</td>
</tr>
<tr>
<td>Berg, Lynn</td>
<td>Assistant Professor, Music; D.M.A.</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>Bidner, J. Patrick</td>
<td>Professor, Teacher Education; Ed.D.</td>
<td>University of Idaho</td>
</tr>
</tbody>
</table>

**NOTE:** The Date in Parentheses is the Year of First Appointment.

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bigelow, John D</td>
<td>Associate Professor, Management; Ph.D.</td>
<td>Case Western Reserve University</td>
</tr>
<tr>
<td>Bixby, Michael</td>
<td>Assistant Professor, Management; J.D.</td>
<td>University of Michigan</td>
</tr>
<tr>
<td>Blain, Michael</td>
<td>Assistant Professor, Sociology; Ph.D.</td>
<td>University of Colorado, Boulder</td>
</tr>
<tr>
<td>Blankenship, Jim</td>
<td>Professor, Communication; Chairperson; Communication Department; Ph.D.</td>
<td>Purdue University</td>
</tr>
</tbody>
</table>
Facultv

Centanni, Russell ......................................................... (1973)
Professor, Biology; Ph.D., University of Montana

Chase, Eileen ............................................................... (1984)
Assistant Professor, Nursing; M.S., University of Utah

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, Administrative Services; Ph.D., University of Minnesota

Cocotis, Margie A .......................................................... (1972)
Associate Professor, English; D.A., Idaho State University

Colby, Conrad ................................................................. (1970)
Associate Professor, Respiratory Therapy, Medical Records; Chairperson, Respiratory Therapy/Medical Record Sci; 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, Administrative 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

Craner, G Dawn .............................................................. (1975)
Assistant Professor, Communication; M.A., Purdue University

Craigchee, Gary A ............................................................ (1981)
Professor, Radiologic Sciences; Ph.D., University of Iowa

Curtis, “Merle” ................................................................. (1971)
Instructor, Surgical Technology; Program Head, Surgical Technology; M.S., University of Idaho

Dahlberg, E John Jr ............................................................ (1970)
Professor, Teacher Education; Ed.D., University of Oregon

Dahm, Norman ............................................................... (1953)
Professor, English; Associate Chairperson, Physics & Engineering Department; M.Ed., University of Colorado

Dallas, Mary ................................................................. (1976)
Senior Instructor, Practical Nursing; Program Head, Practical Nursing; M.S., University of Idaho

Dalton, Allen ................................................................. (1982)
Assistant Professor, Economics; M.A., 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

Demison, Tom ................................................................. (1983)
Assistant Dean, School of Vocational-Technical Educ; 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

Dowser, Richard R ............................................................ (1975)
Associate Professor, Psychology; Counseling Psychologist, Counseling & Testing Center; Ed.D., Ball State University

Draeger, Gerald F ............................................................ (1976)
Associate Professor, Economics; Director, Center for Economic Education; Ph.D., Ohio University

Dykstra, Dewey I, Jr ........................................................... (1981)
Assistant Professor, Physics; Ph.D., University of Texas Austin

Eastman, Philip .............................................................. (1977)
Professor, Mathematics; Ph.D., University of Texas

Edmundson, Eldon ............................................................ (1976)
Associate Professor, Public Health, Health Science; Acting Dean, College of Health Science; 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

Evett, Stuart D ............................................................... (1972)
Assistant Professor, English; M.A., Vanderbilt University

Fahleson, Genger ............................................................ (1974)
Assistant Professor, Physical Education; M.Ed., Univ of Wyoming

Ferguson, David J ............................................................. (1970)
Assistant Professor, Mathematics; Ph.D., University of Idaho

Fletcher, Alan W ............................................................. (1971)
Professor, History; Ph.D., University of Washington

Foraker-Thompson, Jane .................................................. (1982)
Assistant Professor, Criminal Justice Administration; Ph.D., Stanford University

Fountain, Carol E ............................................................ (1967)
Associate Professor, Teacher Education; 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, Il H ............................................................... (1954)
Professor, Biology; Ph.D., University of California Berkeley

Fuhriman, Jay R ............................................................... (1982)
Assistant Professor, Teacher Education; Director, Office for Educational Opportunities; Ed.D., Texas A & I University

Fuller, Eugene G ............................................................. (1967)
Professor, Biology; Ph.D., Oregon State University

Gable, Marvin C ............................................................. (1979)
Associate Professor, Construction Management; M.A., Stanford University

Gaines, Marlin ............................................................... (1980)
Instructor, Agricultural Equipment Tech;

Gallup, V Lynn ............................................................... (1977)
Instructor, Agricultural Equipment Tech;

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
Gill, Karen S............................................(1985)
Catalog Librarian, Catalog & Serials Dept, Library; Assistant Professor,
Library Science; A.M.L.S., University of Michigan
Glassen, Gustav B ...........................................(1979)
Instructor, Machine Shop; Certificate, Mergenthaler Linotyper Co
Glen, Roy ....................................................(1982)
Associate Professor, Management; Ph.D., Case Western Reserve
University
Gourley, Margaret ...........................................(1978)
Advanced Instructor, Child Care; B.A., College of Wooster
Grantham, Stephen B ......................................(1982)
Assistant Professor, Mathematics; Ph.D., University of Colorado, Boulder
Griffin, John ................................................(1983)
Associate Professor, Mathematics; Ph.D., Washington State University
Groebner, David F .........................................(1973)
Professor, Decision Sciences; Ph.D., University of Utah
Guilford, Charles ...........................................(1981)
Assisant Professor, English; Ph.D., Northern Illinois University

H
Haacke, Don P..............................................(1971)
Head Librarian, Maps & Special Collections Dept, Library; Associate Professor,
Library Science; M.L.S., University of Washington
Hadden, James ............................................(1972)
Assistant Professor, English; M.A., University of Washington
Haefer, James A............................................(1982)
Associate Professor, Engineering; M.S.E.E., Montana State University
Hall, Lee Edward ..........................................(1979)
Advanced Instructor, Auto Mechanics Technology;
Hambelton, Benjamin E.................................(1975)
Director, Center for Technology; Assistant Professor, Teacher Education;
M.Ed., Utah State University
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
Hart, Richard L..............................................(1978)
Dean, College of Education; Professor, Education; Ed.D.,
University of Nebraska-Lincoln
Hausrat, Alan ..............................................(1977)
Associate Professor, Mathematics; Ph.D., Brown University
Healis, Donald V ...........................................(1980)
Dean, School of Vocational-Technical Education; Professor, Industrial
Technology; Ed.D., Wayne State University
Heap, Felix A.................................................(1978)
Associate Professor, Art; Ph.D., University of Minnesota
Heise, Frank K ..............................................(1971)
Associate Professor, Coordinator, Operations,
Morrison Center; M.A., University of South Dakota
Heist, Noreen .............................................(1984)
Instructor, Practical Nursing; B.S.N., University of Utah
Herrig, Linda ................................................(1982)
Assistant Professor, Teacher Education; Ed.D., University of Idaho
Hibbs, Robert A.............................................(1963)
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, Laver K................................................(1969)
Instructor, Culinary Arts; B.S., Utah State University
Hogue, Kenneth D...........................................(1985)
Instructor, Auto Mechanics Technology; A.A.S., Oregon Institute of
Technology
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
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
Huskey, Darryl L..........................................(1968)
Head Librarian, Documents Department, Library; Associate Professor,
Library Science; M.L.I., Emporia State University
Hyde, Kenneth A..........................................(1979)
Instructor, Product Development, 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. Gall .............................................(1970)
Professor, Psychology; Ph.D., University of Oregon

J
Jacobv, Edward G........................................(1973)
Head Coach, Men's 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)
Associate 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)
Associate 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
Kelley, James M............................................(1985)
Professor, Management; Chairperson, Accounting Department;
D.B.A., University of Colorado, Boulder
Kenny, G. Otis ............................................(1976)
Associate Professor, Mathematics; Ph.D., University of Kansas
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
Kemaster, John............................................(1970)
Professor, Art; M.F.A., Cranbrook Academy
King, Jay A................................................(1975)
Assistant Professor, English; M.A., New York University
Kinney, Richard S.........................................(1976)
Associate Professor, Political Science; Ph.D., University of Notre Dame
Kirkland, William .......................................(1969)
Professor, Teacher Education; Ed.D., Arizona State University
Kober, Alfred..............................................(1968)
Professor, Art; M.S., Fort Hayes Kansas State College
Faculty

Kraker, Thomas L .................................................. (1977)
Associate Professor, Radiologic Sciences; M.Ed., College of Idaho

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; DBA, Arizona State University

Lauterbach, Charles E .............................................. (1971)
Professor, Theatre Arts; Ph.D., Michigan State University

LaCava, Gerald ..................................................... (1982)
Associate Professor, Decision Sciences; Ph.D., University of Kansas

Leahy, Richard ..................................................... (1971)
Professor, English; Ph.D., University of California Davis

Leon, Manuel ......................................................... (1985)
Assistant Professor, Psychology; Ph.D., University of California San Diego

Lester, Jody .......................................................... (1983)
Instructor, Respiratory Therapy; B.S., Boise State University

Lewis, Ray ........................................................... (1973)
Associate Professor, Physical Education; M.Ed., University of Idaho

Lichtenstein, Peter M ................................................. (1973)
Professor, Economics; Ph.D., University of Colorado

Lincoln, Douglas J .................................................. (1980)
Professor, Marketing; Chairperson, Marketing & Admin Services; Ph.D., Virginia Poly Inst & State University

Lingenfelter, Joan .................................................. (1973)
Senior Instructor, Child Care; Program Head, Business & Services; M.S., University of Idaho

Lojek, Helen ........................................................ (1983)
Assistant Professor, English; Ph.D., University of Denver

Long, Elaine M ....................................................... (1975)
Associate Professor, Nutrition; Acting Chairperson, Community & Environmental Health; 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 Department; Ph.D., Utah State University

Lundy, Phoebe J ..................................................... (1966)
Associate Professor, History; M.S., Drake University

Lynch, Donna ........................................................ (1979)
Associate 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, Jean ...................................................... (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

Malloy, Giles ........................................................ (1968)
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Malof, James ......................................................... (1970)
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Manship, Darwin W ................................................ (1970)
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Martin, Carol A .................................................... (1972)
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Mason, Jon L ......................................................... (1983)
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Matjeka, Anne ...................................................... (1977)
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Matjeka, Edward R ................................................ (1976)
Professor, Organic Chemistry; Ph.D., Iowa State University

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McCurloch, Donna .................................................. (1985)
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McGrath, Neill Brian ............................................. (1983)
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McGuire, Sherry .................................................... (1967)
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Advanced Instructor, Office Occupations;

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Miller, Beverly A .................................................. (1968)
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O

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Rockne, Elaine C. (1968)  
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Ryale, Ada M. (1976)  
Vice President, Financial Affairs; Bursar; Professor, Education; Ed.D., University of Missouri

Rychert, Robert C. (1975)  
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S

Sadler, Norma J. (1973)  
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Sallie, Steven S. (1981)  
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Sandberg, Michael (1976)  
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Sanderson, Richard (1971)  
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Scanlon, Lee H. (1985)  
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Schall, Frances M. (1982)  
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Scheffer, Martin (1964)  
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Schloeder, Andrew B. (1972)  
Associate Professor, Philosophy; Ph.D., Brown University

Schloes, Mary (1971)  
Senior Instructor, Special Needs; B.A., College of Idaho
<table>
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<tr>
<th>Name</th>
<th>Position</th>
<th>Degree</th>
<th>Institution</th>
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<tr>
<td>Schroeder, Gerald</td>
<td>Faculty</td>
<td>M.A., University of Colorado</td>
<td>(1978)</td>
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<tr>
<td>Schroeder, Jeff D.</td>
<td>Standard Instructor, Small Engine Repair; A.A.S., Boise State University</td>
<td></td>
<td>(1976)</td>
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<tr>
<td>Scott, Stanley V.</td>
<td>Assistant Professor, Marketing; M.A., Ohio State University</td>
<td></td>
<td>(1985)</td>
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<td>Scudder, Duston R.</td>
<td>Professor, Marketing; Ed.D., Oregon State University</td>
<td></td>
<td>(1964)</td>
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<td>Seddon, Carol</td>
<td>Associate Professor, Medical Records; M.S., Oregon State University</td>
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<td>Selander, Glenn E.</td>
<td>Assistant Professor, English; M.A., Utah State University</td>
<td></td>
<td>(1966)</td>
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<td>Shallat, Todd A.</td>
<td>Assistant Professor, History; Ph.D., Carnegie-Mellon University</td>
<td></td>
<td>(1985)</td>
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<tr>
<td>Shankweiler, William E.</td>
<td>Professor, Theatre Arts; Ph.D., University of Denver</td>
<td></td>
<td>(1956)</td>
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<td>Shannon, Patrick</td>
<td>Associate Professor, Decision Sciences; Ph.D., University of Oregon</td>
<td></td>
<td>(1985)</td>
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<td>Shelton, Melvin L.</td>
<td>Professor, Music; M.M., University of Idaho</td>
<td></td>
<td>(1968)</td>
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<td>Shin, Bong</td>
<td>Associate Professor, Management; Chairperson, Management Department; Ph.D., University of Georgia</td>
<td></td>
<td>(1979)</td>
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<td>Shurtleff, Cheryl</td>
<td>Assistant Professor, Art; M.A., Boise State University</td>
<td></td>
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<td>Sims, Robert C.</td>
<td>Professor, History; Dean, School of Soc Sci &amp; Public Affairs; Ph.D., University of Colorado</td>
<td></td>
<td>(1970)</td>
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<tr>
<td>Singh, Ramlaykha</td>
<td>Professor, Teacher Education; Coordinator, Field Services, Teacher Education; Ed.D., University of Northern Colorado</td>
<td></td>
<td>(1975)</td>
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<td>Skillern, William</td>
<td>Professor, Political Science; Director, Interdisciplinary Humanities; Ph.D., University of Idaho</td>
<td></td>
<td>(1971)</td>
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<td>Skirmants, Alexandria</td>
<td>Advanced Instructor, Special Needs; M.A., Idaho State University</td>
<td></td>
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<td>Skoro, Charles L.</td>
<td>Associate Professor, Economics; Chairperson, Economics Department; Ph.D., Columbia University</td>
<td></td>
<td>(1982)</td>
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<td>Smith, William S.</td>
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<td>(1973)</td>
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<td>Snow, Mark E.</td>
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<td></td>
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<td>Snyder, Walter A.</td>
<td>Assistant Professor, Geology; Ph.D., Stanford University</td>
<td></td>
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<td>Spafford, Stephen</td>
<td>Director, University Admissions Counseling; Instructor, Political Science; M.A., University of Oregon</td>
<td></td>
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<td>Spence, Constance</td>
<td>Associate Professor, Music; Ph.D., University of Michigan</td>
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<td>Spinoza, Claude</td>
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<td>(1970)</td>
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<td>Spitzer, Terry-Ann</td>
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<td>Stack, James</td>
<td>Instructor, Electronics Technology;</td>
<td></td>
<td>(1984)</td>
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<td>Stark, Frank W.</td>
<td>Professor, Chemistry, Physical Science; M.S., Trinity College</td>
<td></td>
<td>(1957)</td>
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<td>Steger, Harry L.</td>
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<td></td>
<td>(1972)</td>
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<td>Stitkel, Thomas E.</td>
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<td>(1975)</td>
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<td>Stratton, William</td>
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<td>Sugiyama, Masao</td>
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<td>Suklanke, Robert</td>
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<td>Takeda, Yozo</td>
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<td></td>
<td>(1969)</td>
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<td>Takekara, John S.</td>
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<td></td>
<td>(1968)</td>
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<td>Taye, John A.</td>
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<tr>
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<tr>
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<td>Taylor, Patricia</td>
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<td>(1975)</td>
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<td>Taylor, Ronald S</td>
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<td>(1970)</td>
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<td>Taylor, Steven D</td>
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<td>Tillman, Charles</td>
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<td>Traymowicz, Laurel</td>
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<td>Truský, A Thomas</td>
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<td></td>
<td>(1970)</td>
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<tr>
<td>Tubbs, Stewart</td>
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<td>(1983)</td>
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<td>(1975)</td>
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<tr>
<td>Uehling, Karen S</td>
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<td>Uehling, Karen S</td>
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<td>Uehling, Karen S</td>
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<td>Uehling, Karen S</td>
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<tr>
<td>Vahey, Joann T.</td>
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<tr>
<td>Valverde, Luis J</td>
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<td>(1965)</td>
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<td>Vaughn, Ross E</td>
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<td>Vint, Warren L.</td>
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<td>Waage, Charles J</td>
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Wilterding, Jim ............................................ (1976)
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Wise, Lowell C ........................................... (1983)
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Wood, Spencer H ........................................ (1977)
Associate Professor, Geology, Geophysics; Ph.D., California Institute
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Wyllie, Gilbert A ........................................ (1965)
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Young, Jerry .............................................. (1964)
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Young, Mike ............................................... (1970)
Head Coach, Men's Wrestling; Assistant Professor, Physical Education;
M.A., Brigham Young University

Young, Virgil M ........................................... (1967)
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Yunker, Douglas ......................................... (1976)
Associate Professor, Social Work; Chairperson, Social Work Depart-
ment; M.A., Indiana University

Z

Zirinsky, Hendriekje ................................. (1984)
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Zirinsky, Michael ....................................... (1973)
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TAFT SEMINAR FOR TEACHERS

BOISE STATE UNIVERSITY
Boise State University Emeriti

Faculty

DOROTHY ALBERTSON, Professor, Office Administration (1953-1977)
THELMA F. ALLISON, Associate Professor (1946-1973)
JOHN B. BARNES, President, Boise State University (1967-1977)
JOHN BETTIA, Professor, Teacher Education (1970-1985)
JOHN H. BEST, Professor, Music (1947-1983)
BILL BOWMAN, Professor, Physical Education (1969-1985)
PHYLLIS BOWMAN, Assistant Professor, Physical Education (1969-1985)
JEAN C. BOYLES, Assistant Professor, Physical Education (1949-1957, 1962-1984)
C. GRIFFITH BRATT, Professor, Music (1946-1976)
WILLIAM BRONSON, Professor, Psychology (1954-1970)
JAMES R. BUCHANAN, Associate Professor, Library Science (1969-1978)
CLARA BURTCH, Associate Professor, Teacher Education, Library Science (1949-1969)
WILLIAM CARSON, Associate Professor, Accounting (1963-1982)
EUGENE CHAFFEE, President (1932-1967)
ACEL H. CHATBURN, Professor, Education (1944-1977)
R. WAYNE CHATTERTON, Professor, English (1968-1983)
ROBERT DENEUFVILLE, Professor, Foreign Languages (1949-1973)
JAMES D. DOSS, Dean, College of Business, Associate Professor, Management (1970-1984)
CLISBY EDLEFSEN, Professor, Business (1939-1969)
J. CALVIN EMERSON, Associate Professor, Chemistry (1933-1940, 1960-1973)
EVELYN C. EVERTS, Associate Professor, Library Science (1957-1977)
MARJORIE FAIRCHILD, Associate Professor, Library Science (1966-1975)
MILTON FLESCHMAN, Assistant Professor, Auto Mechanics Technology (1959-1974)
ALBERT FUEHRER, Instructor, Auto Mechanics Technology (1965-1978)
JOHN F. HAGER, Associate Professor, Machine Shop (1954-1969)
CLAYTON HAHN, Associate Professor, Engineering (1948-1952, 1963-1981)
ALICE H. HATTON, Registrar (1959-1974)
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DORIS A. KELLY, Account Clerk, Emeriti Faculty (1958-1977)
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<td>REVISION TO RD 436, PAGE 137.</td>
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<tr>
<td>REVISED COURSE OFFERINGS FOR THE MBA PROGRAM, PAGES 145 &amp; 146.</td>
</tr>
</tbody>
</table>
CLEP General Examinations will be recorded on a Boise State transcript with a grade of PASS after the student has successfully completed 15 credit hours with Boise State University. The student must be enrolled at the time the credits are recorded.

Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See department of Teacher Education listing for more information.

The prerequisite for BT 401 has been changed from B 301 to BT 130. Also BT 302 is a recommended course not B 302.

EN 104 (CS 124) DIGITAL COMPUTER PROGRAMMING (2-0-2). An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling arrays and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides introduction to basic tactical Army communications, first aid for field environment casualties, structure and role of the U.S. Army, Army Reserves and National Guard and looks at various career fields in the Army. Laboratory consists of progressive participation in leadership exercises, adventure training and orientation.

THE ADDITION OF ML 390, PAGE 76.
ML 390 MILITARY SCIENCE PRACTICUM (V-V-6). Provides the student with the opportunity to apply the skills they have learned. Is completed at the 6 week 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.

REVISED ML 402, PAGE 76.

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.

REVISED AS 317, PAGE 100.

AS 317 OFFICE AND INFORMATION SYSTEMS MANAGEMENT. (3-0-3)(S). Introduction to: (1) the area of managing information as a resource; (2) strategic planning for information processing; (3) managing direct user information services for operating information systems, management information systems and office systems.

REVISED RECOMMENDED JUNIOR & SENIOR YEAR FOR MANAGEMENT MAJOR TRANSPORTATION OPTION, PAGES 96 & 97.

JUNIOR YEAR
Principles of Marketing MK 301 .......................... 3 -
Management & Organizational Theory MG 301 .............. 3 -
Regional Economics EC 321 ................................ 3 -
Business Communications AS 328 .......................... 3 -
Principles of Finance FI 303 ............................... 3 -
Transportation Law GB 371 .................................. 3 -
Principles of Transportation GB 325 ........................ 3 -
Principles of Production Management DS 345 ................ 3 -
General Electives (Area I,II,III) .......................... 3 -
General Electives ............................................ 3 -
Totals 18 16

SENIOR YEAR
Logistics Theory MG 350 .................................. 3 -
International Transportation MG 341 ........................ 3 -
Airline/Air Cargo Management AV 351 ........................ 3 -
Business Ethics GB 360 ...................................... 3 -
Organizational Behavior MG 401 ............................ 3 -
Government and Business GB 441 .......................... 3 -

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Business Policies GB 450 .................................................. 3
Seminar in Air Transportation AV 450 ................................. 3
General Electives (Area I, II, III) ....................................... 3
General Electives .............................................................. 3

Totals 15 15

REVISED AREA III REQUIREMENTS FOR PSYCHOLOGY, PAGE 108.

Area III
Total Credits .......................................................... 16
Core Courses .............................................................. 12*  
  Concepts of Biology B 100 ........................................... 4
Non-core courses ......................................................... 4
  Concepts of Human Anatomy and Physiology Z 107 .......... 4
  Mathematics ............................................................. 8*  
*If the selected Mathematics courses are Area III Core Courses, they may also apply towards the requirement of 12 credits in the Area III Core.

DELETION OF TE 307, PAGE 120.

This class will no longer be offered.

REVISED DEGREE REQUIREMENTS FOR HEALTH SCIENCE, PAGE 125

HEALTH SCIENCE
Bachelor of Science Degree
1. English Composition E 101-102 .................................. 6
2. Area I Core Requirements .......................................... 12
3. Area II Core Requirements .......................................... 12
4. Area III Core and Science Requirements ......................... 22-23
   College Chemistry C 131-134
   or
   Essentials of Chemistry C 107-110 ............................... (9)
   Mathematics M 111 ................................................... 5
   General Zoology and General Botany Z 130 ad BT 130  
   or
   Human Anatomy and Physiology Z 111-112 .......... (9 or 8)
5. Health Science Requirements ........................................ 16
   Introduction to Computers in Health Science H 120 (2)
   Health Delivery Systems H 202 ................................. (3)
   Nutrition H 207 ...................................................... (3)
   Introduction to Health Law and Ethics H213  
   or
   Public Health Law H 435 .......................................... (2)
   Epidemiology H 480 .................................................. (3)
Preprofessional Internship H 493 ........................................ (2)
Seminar H 498 or H 499 .................................................. (1)

NOTE: 34 Upper Division Credits must be included from either Health Science Electives, Area of Emphasis or Electives.

6. Health Science Electives (3 courses) ........................................ 9-10
   Medical Terminology H 101 .............................................. (3)
   Drugs: Use and Abuse H 101 ............................................ (3)
   Chronic Illness H 205 .................................................. (3)
   Disease Conditions I and II H 211-212 ............................ (3-6)
   Assessment of Alcohol and Drug Problems Part I H 214/414 .... (3)
   Cardiopulmonary Renal Physiology H 220 .......................... (3)
   Pathophysiology H 300 ............................................... (4)
   Public Health Administration H 304 ................................. (3)
   Applied Pharmacotherapeutics H 306 ................................ (3)
   Principles of Education in Health Science H 406 ............... (3)

7. Emphasis - Select one - Science or General Health Science 39-41
   Students should work closely with their advisors to ensure proper selection of courses and completion of specific course prerequisites.

a. Science Emphasis* (Natural/Physical/and Mathematics) - select courses to total 39-41 credits:
   Microbiology or Bacteriology B 205 or B 303 (4 or 5)
   Cell Biology B 301 ........................................................ (3)
   Pathogenic Bacteriology B 310 ....................................... (4)
   Genetics B 343-344 ................................................... (3-4)
   Parasitology B 412 .................................................... (3)
   Immunology B 420 ....................................................... (3)
   Quantitative Analysis with Laboratory C 211-212 (5)
   Organic Chemistry with Laboratory C 317, 318, 319, 320 ...... (10)
   Physical Chemistry C 321-324 ...................................... (8)
   Biochemistry with Laboratory C 431-432 .......................... (4)
   Mathematics M 204 .................................................... (5)
   Statistics m 120 ......................................................... (4)
   A First Course in Programming CS 122 ............................ (2)
   General Physics PH 101-102 ......................................... (8)
   Biophysics PH 207 ....................................................... (4)
   Comparative Anatomy Z 301 ......................................... (4)
   Vertebrate Embryology Z 351 ........................................ (4)
   Histology Z 400 ........................................................ (4)
   Physiology Z 401 or 409 .............................................. (4)
   Or other courses as approved by the advisor.

b. General Health Science Emphasis - select courses to total 39-41 credits:
   Microbiology B 205 ..................................................... (4)
   Organic Chemistry with Lab C 317, 318, 319, 320 ............. (10)
   A First Course in Programming CS 122 ............................ (2)
Mathematics M 204 ............................................... (5)
Statistics M 120 or P 305 ...................................... (3)
General Physics PH 101-102 ............................... (8)
Economics EC 201-202 ........................................ (3-6)
Accounting AC 205-206 ...................................... (3-6)
Speech CM 211 ......................................................... (3)
Communication in the Small Group CM 251 ............ (3)
American National Government PO 101 .................. (3)
Local Government PO 102 ....................................... (3)
Introduction to Public Administration PO 303 ......... (3)
Public Finance PO 310 or EC 310 .......................... (3)
Principles of Marketing MK 301 ............................ (3)
Management and Organization Theory MG 301 ....... (3)
Personnel Administration MG 305 ........................ (3)
Anatomical Kinesiology PE 230 ............................ (3)
Exercise Physiology PE 310 .................................. (3)
Biomechanics PE 311 ............................................. (3)
Psychology P 101 ..................................................... (3)
Educational Psychology P 325 ............................. (3)
Sociology SO 101 .................................................... (3)
Social Problems SO 102 ....................................... (3)
Sociology of Aging SO 325 ...................................(3)
Sociology of the Family SO 340 .............................. (3)
Or other courses as approved by the advisor.

8. Electives .......................................................... 9-12

* Students who intend to apply to colleges of Medicine, Dentistry or Veterinary Medicine should consider taking C 317-320 and M 204.

CREATION OF H 120, PAGE 126.

H 120 INTRODUCTION TO COMPUTERS IN HEALTH SCIENCE (1-2-2). The application of word processing, data base management, spread sheet analysis, and graphical presentation of health science information. The acquisition of information on selected topics requiring the use of micro-computers in health science specialties. Special fee required.

CREATION OF H 214/414, PAGE 126.

H 214/414 ASSESSMENT OF ALCOHOL AND DRUG PROBLEMS, PART I (3-0-3)(F). Emphasis on issues relating to alcohol/drug dependency and approaches to diagnosis and/or assessment. Legal, social, and health implications will also be considered.
CREATION OF H 215/415, PAGE 126.


DELETION OF H 298, PAGE 126.

This course will no longer be offered.

DELETION OF H 310, PAGE 126.

This course will no longer be offered.

DELETION OF H 313, PAGE 127.

This course will no longer be offered.

CHANGES TO H 498, PAGE 127.

H 498-H 499 SEMINAR (1-0-1 or 2-0-2)(F/S). Presentation of selected health science topics under faculty direction. 1 or 2 credits.

REVISED PRE-VETERINARY MED., PAGE 133.

Genetics requirement has been changed from B 343-344 to B 343. The Applied Animal Nutrition course has been dropped and the number of elective credit hours has increased to 38 credit hours.

CHANGES TO RD 242, PAGE 136.

RD 211 is no longer a prerequisite for RD 242.
The prerequisite for RD 285 has been changed from RD 238 to RD 234.

The prerequisite for RD 316 has been changed from RD 222 and RD 242 to RD 242. There is also a corequisite of RD 311.

The addition of the prerequisite RD 316.

The prerequisite RD 252 has been dropped.

All prerequisites and corequisite have been dropped and the statement "Upper division majors only or permission of instructor" has been substituted.

These courses assume that the student has had no previous coursework in business. Conversely, any or all of these courses may be waived if the student has already taken them at an accredited institution, such as would be the case if the student had completed a baccalaureate degree in business.
AC 511 ACCOUNTING FOR MANAGERS (3-0-3) (F). The student can expect to develop a working knowledge of financial and managerial accounting tools, techniques and procedures.

EC 514 ECONOMIC THEORY AND ANALYSIS (3-0-3) (F). This course is an accelerated, integrated introduction to economic analysis of the price system and the aggregate performance of developed economies. Supply and demand, basic market structures, income distribution, employment, inflation, growth and international trade.

DS 513 BUSINESS STATISTICS (3-0-3) (F). This course examines the use of statistics in decision-making. Presentation and summarization of data, estimation, hypothesis testing, regression analysis, analysis of variance, time series and forecasting, and non-parametric methods.

GB 516 LAW FOR MANAGERS (3-0-3) (F). This course explores the history and development of the partnership and corporate forms of business organization and the legal environment which creates and regulates a manager's duties toward the corporation, employees, shareholders, and members of the general public.

GB 516 ORGANIZATIONAL THEORY AND BEHAVIOR (3-0-3) (S). This course covers the process of planning, organizing, directing, and controlling. Main topics include theories of organizational performance, structure and design, interpersonal and leadership skills. Emphasis placed on application of theory to business situations and on development of interpersonal skills.

MK 529 MARKETING MANAGEMENT (3-0-3) (S). This course includes a comprehensive examination of the activities and models used in marketing. It also includes identifying and interpreting buyers' needs, market segmentations, and designing a balanced marketing.

DS 523 PRODUCTION AND SYSTEMS MANAGEMENT (3-0-3) (S). This course stresses the management of the production function: analysis, design and layout, scheduling, time and motion study, quality control, and material acquisition. Also included are management information systems and the system's development process from feasibility study through system implementation. Prerequisite: DS 513.

FI 525 CORPORATE FINANCE (3-0-3) (S). Concepts and techniques of corporate institutional and investment finance are examined. These include time value of money, corporate banking relationships, current assets management, and efficient markets. Prerequisite: AC 511, DS 513.

ADVANCED COURSES

AC 531 ACCOUNTING - PLANNING AND CONTROL (3-0-3) (F). This course includes the 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 objective is an understanding of techniques of cost planning and control. Prerequisite: AC 511 or equivalent.
GB 536 BUSINESS IN A GLOBAL SOCIETY (3-0-3) (F). This course is an examination of the interaction between business and the economic, social, political, and legal order on a national and international basis. A case approach is used to focus attention on effects of this broad environment on managers. Some ethical issues and cross-cultural issues are explored. Prerequisite: GB 516 or equivalent.

MG 538 MANAGING PEOPLE IN ORGANIZATIONS (3-0-3) (F). This course is a systematic approach to the major phases of human resource management in organizations, including knowledge bases and theories; problems, constraints; opportunities; program controls, evaluations and costs; and results of effective and efficient human resources management. The perspective for the course is that of a generalist and not a specialist. Prerequisite: MG 528 or equivalent.

DS 533 DECISION ANALYSIS (3-0-3) (F). A study of decision-making in complex situations. Aids for identifying and modeling the decision problem, analyzing and responding to multiple objectives, utilizing subjective inputs, and evaluating and incorporating information. Prerequisite: DS 513 or equivalent.

MK 539 STRATEGIC MARKETING MANAGEMENT (3-0-3) (F). An analysis and integration of marketing concepts and models with organizational and environmental constraints. Emphasis on identifying opportunities, problems, selection, and development of alternatives. Also formulation and implementation of strategies, plans, and programs. Consumer, industrial, institutional and international markets included. Prerequisite: MK 529 or equivalent.

FI 545 ADVANCED FINANCIAL MANAGEMENT (3-0-3) (S). An analysis of financial planning and control in the dynamic environment of changing financial markets. Risk-return analysis, capital budgeting, debt-equity financing, dividend policy. and merger and acquisitions are major topics. Prerequisites: FI 525, EC 514 or equivalent.

GB 546 STRATEGIC PLANNING (3-0-3) (S). This capstone course integrates concepts, practices and methods in strategic planning and environmental analysis. Emphasis is on the evaluation of existing strategy, business risks and opportunities and on the development of long-range plans and programs, executive and managerial controls. Prerequisites: AC 531, DS 533, FI 538, and MK 539.

REVISED TEACHER EDUCATION PROGRAM IN GRADUATE COLLEGE, PAGES 146 TO 148.

The changes to the Teacher Education program start on page 146 column two with "Graduate Core:". These changes end on page 148 column two just before "Course Offerings."
Graduate Core: Curriculum and instruction, Early Childhood, Reading, Special Education, Art, Business Education, Earth Science, English, History, Mathematics and Music emphasis:

- TE 570 Graduate Core-I ssues in Education .................. 3
- TE 563 Conflicting Values in Education ...................... 1

Elective Courses (Select 2 from the following)
- TE-560 School Organization and Finance .................... 1
- TE-561 Law for the Classroom Teacher ....................... 1
- TE 564 Instructional Techniques--Secondary School ........ 1
- TE 565 Interpreting Educational Research ................... 1
- TE 566 Learning Theory and classroom Instruction .......... 1
- TE 568 Techniques of Classroom Management ................ 1
- TE 569 Testing and Grading .................................. 1
- TE 566 Learning Theory and classroom Instruction .......... 1
- TE 568 Techniques of Classroom Management ................ 1
- TE 569 Testing and Grading .................................. 1
- TE 573 Instructional Techniques--Elementary School ....... 1

Total .......................... 6

Additional credits to the above will be determined by the respective departments.

MASTER OF ARTS IN EDUCATION DEPARTMENT OF TEACHER EDUCATION

Option Requirements

The Education Graduate Program provides two options for those selecting one of the following emphasis: Curriculum and Instruction, Early Childhood, Reading, or Special Education; Option I Thesis/Project and Option II Written Comprehensive Examination.

**OPTION I**
(Thesis/Project)

Graduate Core .................................................. 6
- TE 551 Fundamentals of Education Research .................. 3
- TE 591 or TE 593 Thesis or Project ........................ 6
- Approved electives and specific requirements .............. 18

Total .................................................. 33

A Thesis/Project, as mutually agreed upon by the candidate and the committee, is required. 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)

Graduate Core .................................................. 6
- TE 559 Philosophy of Education

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or
TE 551 Fundamentals of Educational Research .................. 3
NOTE: Students selecting TE 559 are required to take TE 565 Inter-
preting Educational Research as one of the 1 credit core courses.
Approved electives and specific requirements ................... 24
TOTAL .................................................. 33

A Comprehensive Written Examination is required at the end of the
coursework. This examination is to be tailored by each candidate's
committee specifically for that candidate following guidelines guidelines
established by the department. After the candidate has written the ex-
amination, the committee will meet with the candidate to review and ana-
lyze the outcome of the examination and clarify the results prior to final
approval or rejection.

Curriculum and Instruction Emphasis

1. Graduate Core ........................................... 6
2. TE 581 Curriculum Planning and Implementation ............... 3
3. TE 582 Analysis and Improvement of Instruction ............... 3
4. Content area courses ..................................... 9
5. Elective options (choose I or II, below)
   I. Thesis-Project Option
      TE 551 Fundamentals of Ed. Research .................... 3
      TE 591 or 593 Thesis or Project ......................... 6
      Approved electives ...................................... 3
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education or
      TE 551 Fundamentals of Ed. Research .................... 3
      NOTE: Students selecting TE 559 must take 1 credit core
class, TE 565 Interpreting Ed. Research.
      Approved electives ..................................... 9
TOTAL .................................................. 33

Early Childhood Emphasis

1. Graduate Core ........................................... 6
2. TE 543 Early Childhood: Readings ........................ 3
3. Two of the following three courses: ........................ 6
   TE 544 Early Childhood: Advanced Child Development .......... 3
   TE 546 Early Childhood: Environments & Programs .......... 3
   TE 547 Early Childhood: Language Acq & Dev ................. 3
4. TE 590 Practicum: Early Childhood ......................... 2-4
5. Option electives (choose I or II below)
   I. Thesis/Project
      TE 551 Fundamentals of Ed. Research .................... 3
      TE 591 or 593 Thesis or Project ......................... 6
      Approved electives ...................................... 5-7
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education

BOISE STATE UNIVERSITY CATALOG 1986-87 Edition Addendum 11
or

TE 551 Fundamentals of Ed. Research .......................... 3

NOTE: Students electing TE 559 must take 1 credit core class, TE 565 Interpreting Ed. Research.

Approved electives ............................................. 11-13

Total minimum hours ........................................... 33

Reading Emphasis

For Those Primarily Responsible for Elementary School Instruction

1. Graduate Core .................................................. 6
2. TE 501 Foundations of Reading Instruction ...................... 3
3. TE 502 Diagnosis & Correction of Read. Prob. - Elem ............ 3
4. TE 504 Seminar in Reading Education .......................... 3
5. Option electives (choose I or II below)
   I. Thesis/Project
      TE 551 Fundamentals of Ed. Research ........................ 3
      TE 591 or 593 Thesis or Project ............................ 6
      Reading electives ........................................... 3
      Approved electives .......................................... 6
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or
      TE 551 Fundamentals of Ed. Research ........................ 3

NOTE: Students electing TE 559 must take 1 credit core class, TE 565 Interpreting Ed. Research.

Reading electives .............................................. 9

Approved electives ............................................. 6

Total ................................................................. 33

For Those Primarily Responsible for Secondary School Instruction

1. Graduate Core .................................................. 6
2. TE 501 Foundations of Reading Instruction ...................... 3
3. TE 508 Diagnosis & Correction of Read. Prob. - Sec ............ 3
4. TE 504 Seminar in Reading Education .......................... 3
5. Option electives (choose I or II below)
   I. Thesis/Project
      TE 551 Fundamentals of Ed. Research ........................ 3
      TE 591 or 593 Thesis or Project ............................ 6
      Reading electives ........................................... 3
      NOTE: Students should choose TE 407G Reading in the Content Subjects if they have not had a similar 3 credit course.
      Approved electives .......................................... 6
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or
      TE 551 Fundamentals of Ed. Research ........................ 3

NOTE: Students electing TE 559 must take 1 credit core class, TE 565 Interpreting Ed. Research.

12 BOISE STATE UNIVERSITY CATALOG 1986-87 Edition Addendum
Reading electives .............................................. 9
NOTE: Students should choose TE 407G Reading in the
Content Subjects if they have not had a similar 3 credit
course.
Approved electives .......................................... 6

Total .......................................................... 33

**Special Education Emphasis**

For Students Interested in an Emphasis in Educationally Handicapped and/or Severe Retardation

**Educationally Handicapped:**

1. Graduate Core ............................................. 6
2. TE 514 Counseling/Consulting Skills for Educators .... 3
4. TE 523 Emotionally Eisturbed Child in the Classroom .... 3
5. TE 590 Practicum: Special Education .......................... 3
6. TE 534 Issues and Trends in Special Ed. ................. 3

7. Option electives (choose I or II below)
   
   **I. Thesis/Project option**
   
   TE 551 Fundamentals of Ed. Research ..................... 3
   TE 591 or 593 Thesis or Project ............................. 6
   Approved electives ........................................ 3

   **II. Comprehensive Written Examination**
   TE 559 Philosophy of Education ............................ 3
   or
   TE 551 Fundamentals of Ed. Research ..................... 3
   
   **NOTE:** Students electing TE 559 must take 1 credit core
class, TE 565 Interpreting Ed. Research.

   Approved electives ........................................ 9

**Suggested Electives:**

TE 450G Behavior Intervention Techniques .................. 3
TE 502 Diagnosis & Correction of Read. Prob.-Elem ........ 3
TE 503 Clinic for Reading Specialists ...................... 3
TE 505 Individual Tests and Measurements .................. 3
TE 594 Internship: Secondary Special Education ............ 3
TE 596 Directed Research: Special Education ............... 3

Total .......................................................... 33

**Severe Retardation:**

1. Graduate Core ............................................. 6
2. TE 514 Counseling/Consulting Skills for Educators .... 3
3. TE 517 Seminar on the Severely Handicapped Learner .... 3
4. TE 523 Emotionally Eisturbed Child in the Classroom .... 3
5. TE 590 Practicum: Special Education .......................... 3
6. TE 534 Issues and Trends in Special Ed. ................. 3

7. Option electives (choose I or II below)
I. Thesis/Project option
TE 551 Fundamentals of Ed. Research ........................................... 3
TE 591 or 593 Thesis or Project ................................................. 6
Approved electives ................................................................. 3

II. Comprehensive Written Examination
TE 559 Philosophy of Education

or
TE 551 Fundamentals of Ed. Research ........................................... 3

NOTE: Students electing TE 559 must take 1 credit core class, TE 565 Interpreting Ed. Research.

Approved electives ................................................................. 9

Suggested Electives:
TE 423G Teaching the Severely Handicapped .................................. 3
TE 450G Behavior Intervention Techniques .................................... 3
TE 546 Diagnosis & Evaluation in Early Childhood Ed. .................. 3
TE 547 Language Acq. & Develop in Early Childhood Ed. ............ 3
TE 594 Internship: Secondary Special Education ......................... 3
Advanced sign language class/.................................................. 3

Total .......................................................................................... 33

REVISED TE 501, PAGE 149.

TE 501 FOUNDATIONS OF READING INSTRUCTION (3-0-3)(F/S/SU). Students in this class study the theoretical constructs of reading, the psychological and pedagogical foundations of reading instruction, and learn to create and improve reading education programs in elementary and secondary classrooms.

REVISED TE 502, PAGE 149.

TE 502 DIAGNOSIS AND CORRECTION OF READING PROBLEMS (3-0-3)(F/S/SU). Diagnosis and standardized testing procedures and corrective techniques will be learned, practiced, and then applied to a child in the Reading Education Center. All techniques are those a classroom teacher would utilize. A case report will culminate the course. PREREQ: TE 501 or PERM/INST.

REVISED TE 503, PAGE 149.

TE 503 CLINIC FOR READING SPECIALISTS (3-0-3)(S). This course emphasizes more intricate diagnostic techniques and remediation procedures. Alternative testing methods will be presented. Each participant
works with a child under supervision in the Reading Education Center and prepares a case report. PREREQ: TE 502 or PERM/INST.

REVISED TE 504, PAGE 149.

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(F/SU). This course covers three areas of reading education: involvement in a professional reading association, leadership in reading education, and current issues in reading education. PREREQ: TE 502 or TE 508 or permission of instructor.

DELETION OF TE 507, PAGE 149.

This course will no longer be offered.

REVISED TE 508, PAGE 149

TE 508 DIAGNOSIS AND CORRECTION OF READING PROBLEMS - SECONDARY (3-0-3)(S/SU). This course is designed for the teacher of the required high school reading course and any other high school course dealing with students with reading problems.

REVISED TE 515, PAGE 149.

TE 515 ADVANCED THEORY OF INSTRUCTIONAL DESIGN FOR SPECIAL EDUCATORS (3-0-3)(F). The course is designed to teach students advanced design components to effectively instruct special education children and adults. The course will include the theoretical and programmatic considerations of instructional design. The course may be useful to regular classroom teachers who wish to gain some knowledge in dealing with special students. PREREQ: TE 431 or PERM/INST.

ADDITION OF TE 534, PAGE 149.

TE 534 ISSUES & TRENDS IN SPECIAL EDUCATION (3-0-3)(S even years). This course will investigate the current issues and trends in the field of special education. It will be organized around six topical areas: 1) identification, 2) assessment, 3) eligibility, 4) service delivery, 5) intervention approaches, and 6) instructional strategies. Dis-
Discussion will be library research based and will focus on all areas of exceptionality in both elementary and secondary school settings. PREREQ: GRAD or PERM/INST.

ADDITION OF TE 560, PAGE 149.

TE 560 SCHOOL ORGANIZATION AND FINANCE (1-0-1)(SU) This course will provide a brief overview of the federal, state and local organizational structures of schooling in America with particular attention given to funding and sources of authority. Issues of policy making as they affect teachers will be examined.

ADDITION OF TE 561, PAGE 149.

TE 561 SCHOOL LAW FOR THE CLASSROOM TEACHER (1-0-1)(SU) This course will provide school personnel with an overview of school law designed to help them become more aware of student and teacher rights and how those rights can be legally asserted. The emphasis will be on "preventive" law, thus avoiding litigation.

REVISED TE 564, PAGE 149.

TE 564 INSTRUCTIONAL TECHNIQUES-SECONDARY SCHOOLS (1-0-1)(SU) In this course, students will investigate instructional techniques which have sound basis in research and theory and which promote development of thinking skills in students.

DELETION OF TE 571, PAGE 150.

This course will no longer be offered.

REVISED TE 573, PAGE 150.

TE 573 INSTRUCTIONAL TECHNIQUES--ELEMENTARY SCHOOL (1-0-1)(SU). In this course, students will investigate instructional techniques which have sound bases in research and theory and which promote the development of thinking skills in elementary students.
Culinary Arts Program

1 Year - 2 Years

The purpose of the Culinary Arts Program is to provide exceptional basic training and education for cooks, apprentice chefs, and managers.

The curriculum offers students an opportunity to:

- Learn and effectively practice basic and advanced technical skills in food preparation and service.
- Understand the principles of food identification, nutrition and food, and beverage composition.
- Acquire basic supervisory skills to better utilize human and physical resources in food service operations.
- Gain experience in the proper use and maintenance of professional food service equipment.
- Become familiar with the layout and work flow of professional kitchens and bakeshops. Gain appreciation for the history, evolution and international diversity of the culinary arts.
- Develop a personal sense of professionalism necessary for working successfully in the food service industry.

CULINARY ARTS PROGRAM

The core of the Culinary Arts Program curriculum at Boise State University is the hands-on teaching of cooking and baking skills as well as the theoretical knowledge that must underlie competency in both fields.

The objective is to not only teach students to work in the kitchen, but how it functions. Related to our mission of professional training are the courses that complete a food service education: table service, wines, bar management, menu, facilities planning, cost controls, supervisory development, storeroom and stewarding.

A Certificate of Completion will be awarded after one year (2 semesters) with the student earning at least a 2 point grade average. They must have a minimum of 2.5 grade point average to continue. They will receive and Associate of Applied Science degree awarded after two additional semesters, with the student earning at least a 2.0 grade point average.
<table>
<thead>
<tr>
<th>Class Hours</th>
<th>Lab Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
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TOTALS 12 22 17

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TOTALS 11 24 17

FOURTH SEMESTER
### Course Offerings

#### CA CULINARY ARTS

**CA 102 CULINARY SKILLS DEVELOPMENT (3-2-3)(F/S).** During this introduction to the fundamental concepts, skills and techniques of basic cookery, special emphasis is given to the study of ingredients, cooking theories and procedures. Basic cooking methods stressed and practiced including: sautéing, broiling, roasting, poaching, simmering, braising, pan frying, deep fat frying, stewing and fricasseeing.

**CA 103 SANITATION, SAFETY & HEALTH (2-0-2)(F/S).** Theory and practice of food and environmental sanitation in a food production area are stressed, with attention to food-related diseases and their origins. The sanitation course has been reviewed for compliance and approved by the Federal Food and Drug Administration. Students conduct a sanitation inspection of one of the Culinary Arts Programs facilities in their production areas.

**CA 104 INTRODUCTORY BAKING (2-1-2)(F/S).** This course gives instruction in the fundamentals of baking science, terminology, equipment, technology, ingredients, weights and measures, formula conversion, and storage.

**CA 105 COST CONTROL (1-0-1)(F/S).** An introduction to the food service cost control method, procedures and math.

**CA 106 PRODUCT IDENTIFICATION (1-0-1)(F/S).** Introduction to the food products used in the food service/hospitality industry. Special emphasis is placed on the characteristics, quality factors, availability, storage and use of fruits, vegetables and cheese.

**CA 107 STOREROOM (1-0-1)(F/S).** Students learn how to staff an operating storeroom and participate in receiving, storing and issuing of merchandise. Emphasis is on proper control and reporting procedures, with preparation of daily, weekly and monthly reports. Lectures cover purchasing regulations. Federal and trade grades, yields and quality controls are explained.

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*BOISE STATE UNIVERSITY CATALOG 1986-87 Edition Addendum*
CA 108 LEGAL IMPLICATIONS/CULINARY ARTS (1-0-0)(F/S). Legal requirements affecting food service operations.

CA 109 CULINARY FRENCH (1-0-0)(F/S). Explanations of basic culinary French terminology and menu phrases.

CA 112 INTRODUCTORY HOT FOODS (3-2-3)(F/S). Basic menu items such as soups, sauces, stocks, vegetables, and entrees are prepared. Fundamental concepts and techniques of food preparation are first demonstrated by the instructors and then practiced by the students.

CA 113 PANTRY, BASIC GARDE MANGER (3-2-3)(F/S). A survey course in the fundamentals of pantry, basic garde manger, and breakfast cookery. Students are instructed in the proper techniques and procedures for preparing a variety of lunch and dinner salads and salad dressings, hot and cold sandwiches, basic pates, quiches, garnishes, canapes, marinades, tea and fancy sandwiches, and hot and cold appetizers.

CA 114 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.

CA 115 DINING ROOM PROCEDURES I (1-0-1)(F/S). This basic course in dining room and supervision covers equipment, personnel responsibility, organization, customer relations, sanitation, table arrangements and set-ups. Service techniques for American table service are practiced. Basic gueridon service is explained and demonstrated.

CA 116 MEAT IDENTIFICATION AND FABRICATION (1-0-1)(F/S). Instructors demonstrate the cutting of meat and poultry into fabricated units and explains grading, quality and yield.

CA 117 STEWARDING (1-0-1)(F/S). Stewarding functions and personnel responsibility are detailed through lecture and demonstration. Students participate in inventory control and learn procedures for the purchase of china, glass, silver, and linen.

CA 118 CHARCUTERIE (SAUSAGE MAKING) (1-0-1)(F/S). This course teaches and gives understanding through lecture, demonstration and hands-on in all phases of sausage making, including smoking methods. For total utilization of meat by-products, students prepare forcemeats, pates and sausage.

CA 119 SUPERVISORY DEVELOPMENT (1-0-1)(F/S). Students are instructed in the basic principles of effective supervision, including human relations, motivation, communications, proper training principles, interviewing, staffing, and discipline. Emphasis is placed
on working with supervisors and subordinates in the food service/hospitality industry.

CA 121 AMERICAN REGIONAL COOKERY (1-0-1)(F/S). This course explores the utilization of indigenous ingredients in the preparation of American specialties. The items prepared in the kitchen will follow established culinary principles in the development of American cuisine. Timing and conversion of recipes are emphasized. At the conclusion of this course, students participate in a practical examination.

CA 122 FISH COOKERY (1-0-1)(F/S). Affords students the opportunity to actually identify, store, rotate, issue and learn the disciplines that must be practiced to keep quality purchased fish, crustaceans and mollusks fresh. Students butcher fish, lobster, crabs, and practice the basic fundamentals of fish cookery. They also prepare stocks, soups and foundation sauces, and learn to highlight a variety of seasoned specialties.

CA 123 COMMUNICATION SKILLS II (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.

CA 124 KITCHEN LABORATORY (2-22-5)(F/S). This lab will be used for the following classes: CA 115, CA 116, CA 118, CA 121, and CA 122.

CA 202 ADVANCED CULINARY SKILLS (1-0-1)(F/S). Emphasis is given to fine-tuning the basic competencies learned up through second semester. Students prepare small sauces, quenelles, salpicons and forcemeats as applicable in a hot kitchen. Presentation of plated food as practiced in fine restaurants. Structured knife-cutting drills, with attention to quality and reasonable hand speed, are daily requirements.

CA 204 ADVANCED BAKING (1-0-1)(F/S). Techniques are practiced in the production of puff pastry, sponge cake variations, high ratio cakes, cake decorating, pastry and specialty breads.

CA 205 ADVANCED COST CONTROL - MANAGEMENT SYSTEMS (1-0-1)(F/S). Students receive instruction in accounting principles and techniques as they relate to a system of cost control in the food service/hospitality industry. Internal and external sources of information available to management for forecasting and decision making are explained.

CA 206 CLASSICAL BAKING (1-0-1)(F/S). Students produce assorted tortes required for special functions and restaurant use, and also work on buffet pieces utilizing patillage, nougat, marzapan, chocolate, and pulled sugar. Ice cream desserts are demonstrated.
CA 207 WINE APPRECIATION (1-0-1)(F/S). The wines of France, Italy, Germany, and America are discussed. Students learn through actual tasting of the wines studied. History, label interpretation, vocabulary, wine laws, and various methods of processing are covered in the lectures. Class conducted off campus. Majors only.

CA 208 BEVERAGE CONTROL SYSTEMS (1-0-1)(F/S). This comprehensive review of beverage control in food service establishments includes purchasing, receiving, storage and issuing procedures. An in-depth study is made of portion and quality control, costing, merchandising, stocking the bar, and perpetual and physical inventories. The nature of various spirits, beers and alcoholic beverages. Preparation and identification of all drinks demonstrated. Off campus. Majors only.

CA 209 MENU AND FACILITIES PLANNING (1-0-1)(F/S). Basic principles and concepts of menu planning, menu formats and layout are studied in detail with regard to the eating habits and tastes of and social groups. Pricing and control of menu items, designing a salable menu, and menus as management and merchandising tools are defined. The various types of establishments, such as full-service, quick-service, and take-out are discussed.

CA 212 INTERNATIONAL AND ORIENTAL CUISINE (1-0-1)(F/S). Students research and prepare menus representative of different countries and cultures. Cuisines emphasized are Middle Eastern, Spanish, South American, German and Austrian, Swiss, Scandinavian, Italian, Belgian, and Dutch. Students prepare several different menus based on actual Chinese (Szechwan, Cantonese, Peking, Hunan), Japanese and Polynesian recipes.

CA 213 ADVANCED GARDE MANGER (1-0-1)(F/S). Students progress to advanced instruction in cold food preparation and presentation techniques. Charcuterie, specialty canapes, hors d'oeuvres, appetizers, pates, galantines, chaud-froids, terrines, tallow and ice carving, aspics, mousses, cold sauces, vegetable carving, and food decoration are all demonstrated and prepared.

CA 214 KITCHEN LABORATORY (0-2606)(F/S). This laboratory will be used for all theory classes in third semester.

CA 215 CLASSICAL CUISINE (1-0-1)(F/S). Advanced and sophisticated classical culinary preparation, following the principles and techniques of Auguste Escoffier. Emphasis is on French cuisine. Students prepare a complete menu daily with special consideration of cooking techniques, timing and presentation. History and terms relative to classical foods and menus are discussed. Students plan, prepare, and serve a graduation dinner.

CA 216 BANQUET ORGANIZATION (1-0-1)(F/S). Banquet-table service operation is practiced, with emphasis on timing and kitchen coordination. Russian service is practiced daily. Legal consideration associated with catering is taught, along with the development of sales planning, menu layout, floor plan, ceremonial functions.
(weddings, etc.), and running on-and-off-premises catering for different functions. Kosher catering is discussed as applied to Jewish weddings, bar mitzvahs, etc.

CA 217 DINING ROOM A LA CARTE PREPARATIONS (1-0-1)(F/S). Emphasis is on the preparation of a la carte menu items, as students follow the traditional European brigade system and work all the stations in the kitchen on a daily rotation basis. Stress is on student production of the highest-quality menu items through proper techniques; presentations and service. The majority of items are cooked to order.

CA 218 AMERICAN BOUNTY A LA CARTE FOOD PREPARATION (1-0-1)(F/S). Students prepare a la carte items for a menu based on American regional cooking. High standards are adhered to, and students are required to prepare daily specials on a rotating basis.

CA 224 KITCHEN LABORATORY PREPARATION (0-24-6)(F/S). This laboratory will be used for all Theory classes in fourth semester.


REVISED LISTING AND COURSE OFFERINGS FOR OFFICE OCCUPATIONS PROGRAM, PAGE 162.

Office Occupations - Nine Month Program

Certificate of Completion

The Business and Office Education Program is designed to meet the needs of students as they prepare to enter the business world in both private industry and government. Upon enrollment in the program, the student have an opportunity to pursue a one-year certificate or a two-year Associate of Applied Science degree in the following options: Secretary; Word Processing; or Bookkeeper.

The Business and office Education Program at Boise State University is competency based: it prespecifies the performance objectives expected of the students and it identifies the necessary competencies to be employable in their chosen career.

Approved cooperative education in an office and/or competency testing may be substituted for a segment of a course with special permission of the program head and division manager.
A minimum grade of "C" is required in all Business and office coursework to graduate with an Associate of Applied Science degree or a Certificate of Completion.

Associate of Applied Science Degree
Business and Office Education (Word Processing Option)

This option is designed for the student to obtain a basic knowledge of the business world and to develop the necessary skills to competently perform the duties required of this particular job.

Upon successful completion of this option, the learner will not only possess the necessary skills and knowledge to enter the world of work as a word processing operator, but will also have developed basic skills in proofreading and spelling, English usage, word processing, machine transcription, record keeping, and computer literacy.

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Associate of Applied Science Degree
Business and Office Education (Bookkeeper Option)
This option is designed for the student to obtain a basic knowledge of the business world and to develop the necessary skills to competently perform the duties required of this particular job.

Upon successful completion of this option, the learner will not only possess the necessary skills and knowledge to enter the world of work as a bookkeeper, but will also have developed basic skills in computerized bookkeeping, word processing, data base management, proofreading and spelling, business English, and the use of spreadsheets.

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TOTAL
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** 2-Year Student 17 19

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TOTAL 19 19

Associate of Applied Science Degree
Business and Office Education (Secretary Option)
This option is designed for the student to obtain a basic knowledge of the business world and to develop the necessary skills to competently preform the duties required of this particular job.

Upon successful completion of this option, the learner will not only possess the necessary skills and knowledge to enter the world of work as a secretary, but will also have developed basic skills in proofreading and spelling, English usage, shorthand, word processing, machine transcription, record keeping, and computer literacy.

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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<td>Records Management Procedures (OF 251)</td>
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<td>Job Seeking Skills/Career Planning (OF 153)</td>
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**OTHER TECHNICAL ELECTIVES**

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OF OFFICE OCCUPATIONS

OF 015 OFFICE SKILLS PRACTICUM - WORD PROCESSING (0-2-0) (F/S). Students will apply word processing knowledge and training in laboratory practice two hours weekly.

OF 016 OFFICE SKILLS PRACTICUM - BOOKKEEPING (0-2-0) (F/S). Students will apply bookkeeping knowledge and training in laboratory practice two hours weekly.

OF 105 BUSINESS MATH (3-4-3) (F/S). Fundamental operations of arithmetic in business usage. Applications of business math as used in accounting, management, consumer education, and retailing are stressed.

OF 106 KEYBOARDING (3-4-4) (F/S). Beginning class introducing the keyboard and basic typing skills. Emphasizes formatting business correspondence, tables and manuscripts. A speed of 30 WPM should be attained.

OF 107 BASIC OFFICE PROCEDURES (3-2-3) (F/S). This course provides training in filing, telephone techniques, mailing procedures, making appointments, arranging conferences, preparing itineraries, receiving and routing callers, practice in typing the various office forms, and introduction to machine transcription. PREREQ: Demonstrated proficiency in typing.

OF 108 BOOKKEEPING I (3-4-4) (F/S). Designed to prepare students for the new environment in the modern office. Teaches the use of the general and specialized journals, general and subsidiary ledgers, how to prepare and analyze financial statements, and an introduction to computerized bookkeeping.

OF 109 BUSINESS ENGLISH (2-4-3) (F/S). Emphasis on development of skills in grammar, sentence structure, word usage, punctuation, and vocabulary. Coverage of capitalization and number usage rules as well as abbreviations. Must complete course with C or better to continue. PREREQ: Demonstrated competency/pretest.

OF 119 PROOFREADING AND SPELLING (2-4-3) (F/S). Emphasis on learning proofreading techniques with practical applications. Spelling rules and patterns with a mnemonics approach spelling will be covered and applied.

OF 125 BEGINNING SHORTHAND (4-4-5) (F/S). A beginning course in Gregg Shorthand (Series 90). Course includes the alphabet, brief forms, word beginnings and endings, phrasing, and word building principles learned through reading, writing, and taking dictation of extensive connected material. PREREQ: Demonstrated proficiency in typing or current enrollment in Keyboarding.
OF 151 INTERMEDIATE SHORTHAND (4-4-5)(F/S). Application of shorthand theory to construct new outlines rapidly from dictation. Emphasizes development of typewritten transcription skills and mailable letter skills. PREREQ: OF 125 or advanced placement through proficiency exam.

OF 152 BOOKKEEPING II (3-4-4)(F/S). Designed to provide a practical knowledge of cost analysis for bookkeeping systems and procedures. Primary concepts include job order and process cost allocation, planning, control responsibility for the accounting and reporting process. PREREQ: OF 108.

OF 153 JOB SEEKING SKILLS/CAREER DEVELOPMENT (2-4-3) (F/S). Will help students analyze their job needs and skills and prepare them to present those needs and skills to a prospective employer in a professional manner. Emphasizes: self-analysis, researching employers, resume and cover letter, effective interview techniques, and career planning.

OF 154 INTRO TO INFORMATION PROCESSING (3-0-3)(F/S). An introduction to the fundamentals of computers and information processing for students so that they may understand what a computer is, how it operates, and when a computer should be applied to the solution of personal and business problems.

OF 155 RECORD KEEPING (2-4-3)(F/S). Students proceed from very simple clerical tasks to the introduction of elementary double-entry bookkeeping concepts. Develops skills and knowledge that students can use in simple clerical office jobs in which record keeping is involved.

OF 156 INTERMEDIATE TYPING (4-4-5)(F/S). Experience in typing letter styles, manuscripts, tabulations, memorandums and business forms. Proofreading skills are stressed. PREREQ: OF 106 or acceptable performance on entrance test AND keyboarding speed of at least 30 WPM.

OF 157 ADVANCED TYPING (3-4-4)(F/S). Stresses speed, accuracy and production work. Practice in making decisions concerning formatting all types of documents with emphasis on mailability. PREREQ: OF 156 or acceptable performance on entrance test AND keyboarding speed of at least 45 WPM.

OF 158 MACHINE TRANSCRIPTION (2-4-3)(F/S). Emphasis on the development of correct techniques, speed, and accuracy in the transcription of letters, memos, minutes, itineraries, and reports from recorded media. PREREQ: Typing speed of 35 WPM, OF 109, OF 119.

OF 159 BUSINESS WRITING (2-4-3)(F/S). Emphasis on building a foundation in effective business writing principles by planning, organizing, and writing memos and various types of business letters such as credit, collection, sales, claims adjustments. Psychology, format, content, and style of business letters will be covered. Grade of C or better required to continue. PREREQ: OF 109.

OF 165 BASIC MEDICAL TERMINOLOGY, ANATOMY AND PHYSIOLOGY (2-0-2)(F/S). This course provides intensive study of medical termi-
nology, anatomy and physiology, including the following: introduction to the structure and function of each body system; description of diseases and defects affecting each body system; related diagnostic tests, surgeries, and medications; practice in pronunciation, spelling, and abbreviation of all terminology.

OF 166 INTRODUCTION TO MEDICAL TRANSCRIPTION (1-0-1)(F/S). Techniques of machine transcription; application exercises; transcription of actual medical dictation; overview of medical transcription careers. PREREQ: Completion of OF 165 or equivalent experience.

OF 167 BASIC PRINCIPLES OF LAW FOR MEDICAL TRANSCRIPTIONISTS AND MEDICAL OFFICE PERSONNEL (1-0-1)(F/S). Course presents basic principles of law for the hospital or office-based medical transcriptionist and medical office personnel. Includes: confidentiality of medical records, informed consent to treatment, and understanding the basics of the legal system as it relates to medical malpractice claims.

OF 201 SPREADSHEET I (1-4-2)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Introduction to electronic spreadsheets. Presents concepts of spreadsheet software; understanding the worksheet elements; the command menu; entering numbers, formulas and labels, specifying ranges; entering simple formulas; editing and printing. An eight-week course. PREREQ: OF 201.

OF 202 INTRO TO DATA BASE MANAGEMENT (1-4-2)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Introduction to data base management. Emphasis will be on creating files; data entry; edit data; how to search for data; create, run and print reports. Eight-week course. PREREQ: OF 201.

OF 203 WORD PROCESSING I (2-4-3)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Students will create, store, revise, format, and print letters, memos, and simple tables on dedicated word processors, microcomputers, and computers. Must complete the course with C or better to continue. PREREQ: Typing speed of 40 WPM.

OF 204 COMPUTERIZED BOOKKEEPING (4-4-5)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). An introduction to the principles utilizing computers to set up and to maintain a set of books that are common in many small business operations. Included will be accounts payable, accounts receivable, payroll, subsidiary ledgers and journals, and the preparation of financial statements. PREREQ: OF 108, OF 152.

OF 205 ADVANCED SHORTHAND (4-4-5)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Emphasis is on continued speed building in taking dictation and transcribing. Course includes review of business vocabulary, punctuation, and grammar. PREREQ: OF 151 or advanced placement through proficiency exam.

OF 206 COMPUTER BUSINESS APPLICATIONS (3-2-3)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). This course provides a basic exposure to the use of computers in the business world. Emphasis will be
on software, hardware, data entry, data base management, and electronic spreadsheets. PREREQ: Keyboarding skill of 40 WPM.

OF 251 RECORDS MANAGEMENT PROCEDURES (2-4-3)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). A study of the principles and procedures of records management, including creation, retention, processing maintenance, protection, transfer, and disposal of records.

OF 252 APPLIED BUSINESS COMMUNICATIONS (2-4-3)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Course is designed to improve student's ability to communicate effectively through written and verbal media as well as to develop a systematic and creative approach to solving communication problems through studying and applying principles of effective writing. Emphasis on report writing with research. Concentrates on gathering and writing the information. PREREQ: OF 159.

OF 253 FUNDAMENTALS OF SUPERVISION (2-4-3)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Introduction to fundamental principles of first-line supervision, emphasizing the following: Role/responsibilities of the supervisor; training, motivating and developing employees; problem-solving and time management; effective communication; assertiveness and conflict management; performance evaluation.

OF 254 SPREADSHEET II (3-4-4)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Designed to give students the knowledge and skills necessary to create spreadsheets performing advanced functions. Emphasis will be on creating typical business documents such as: budgets, payroll, amortization and depreciation schedules.

OF 255 WORD PROCESSING II (2-4-3)(F/S). OFFICE PERSONNEL (1-0-1)(F/S). Continuation of Word Processing I with special text applications such as footnotes, headers, outlines, and merging. PREREQ: OF 203.

REVISIONS TO SUBJECTS SECTION AND COURSE OFFERINGS OF AUTO MECHANICS PROGRAM, PAGE 163.

<table>
<thead>
<tr>
<th>SUBJECTS</th>
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AM 108 BASIC AUTOMOTIVE MECHANICS (1-1-1)(F). Basic principles of automotive mechanics including orientation, shop math, hand tool, fastener and equipment identification, shop organization procedures and safety will be covered. This course is required for all auto mechanics students prior to additional coursework.

AM 109 AUTOMOTIVE SERVICE, COOLING (2-2-2)(F). This course introduces the student to the theory and practice of automotive service with special emphasis on servicing the cooling systems of automobiles.

AM 117 AUTOMOTIVE BRAKE SYSTEMS (1-4-2)(F). Theory and practice of automotive brake systems inspection, maintenance and repair will be covered including shoe replacement, drum and rotor machining and rebuilding of wheel, master cylinder, and power brake units.

AM 118 AUTOMOTIVE FRONT END SUSPENSION & ALIGNMENT (1-4-2)(F). This course introduces the student to the theory of automotive suspension systems including inspection, the study and practice of alignment, wear identification, front end rebuilding, and wheel balancing.

AM 119 BASIC WELDING (1-1-1)(S). Introduction to basic arc welding and oxy-acetylene welding processes. Emphasis is placed on safe operation of welding equipment. Oxy-acetylene torch cutting techniques will also be covered.

AM 125 AUTOMOTIVE ELECTRICAL SYSTEMS (4-4-5)(F). This course covers identification and use of basic automotive electronic test equipment, basic electricity, basic automotive electronic theory, testing and rebuilding of starter motors electronic ignition systems. The theory of Computer Command Control systems will also be covered.

AM 130 ENGINE PERFORMANCE (4-4-5)(F). The student will be introduced to the design and repair of conventional and electronic ignition systems, fuel delivery systems, carburetion, fuel injection, computer controlled ignition, and fuel systems. The use of scopes and testing equipment will be emphasized.
AM 135 ENGINE REPAIR (3-3-3)(S). This course covers engine design, engine disassembly, parts evaluation, parts repair and replacement, and proper disassembly techniques, parts evaluation and proper assembly.

AM 140 MANUAL TRANSMISSION AND DIFFERENTIAL REPAIR (4-3-4)(S). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation and proper assembly.

AM 145 EXHAUST SYSTEMS (1-1-1)(SU). Students will learn evaluation of exhaust systems and replacement or repair of faulty system components. Prerequisite: AM 120, Basic Welding Techniques.

AM 150 EMISSION SYSTEMS (1-4-2)(SU). This course prepares the student in the principles and laws of various automotive emissions systems to include the function, service and repair/replacement of components, diagnostic techniques, and compliance with emission standards.

AM 175 AUTOMATIC TRANSMISSION (3-6-4)(S). This course teaches the fundamentals of automatic transmissions and design features including servicing, diagnosis, trouble-shooting and proper removal, adjustment, installation, and testing procedures.

AM 180 INTRODUCTION TO MICROCOMPUTERS (1-0-1)(S). Introduces the student to microcomputer skills related to the automotive service field.

AM 190 AUTOMOTIVE HEATING AND AIR CONDITIONING (1-4-2)(S). This course introduces students to the principle and design of the heating and air conditioning system used in todays automobiles and teaches the student troubleshooting and repair techniques.

AM 195 ADVANCED ENGINE PERFORMANCE (3-6-4)(SU). The student will be taught the use of advanced diagnostic equipment to trouble-shooting and repair automobile performance, with emphasis placed on electronic related problems.

AM 235 NIASE CERTIFICATION (2-3-2)(SU). This course is designed to prepare students for National Institute of Automotive Service Excellence Certification examinations. Prerequisite: permission of Division Manager.

AM 262 OCCUPATIONAL RELATIONS (2-0-2)(F). This course teaches job searching, proper completion of job application blanks, job keeping skills, resume and curriculum vital development, and telephone techniques.
IF YOU ARE PLANNING TO ENROLL IN A COURSE IN THIS CATALOG - PLEASE CHECK THIS SHEET FOR ANY CHANGES THAT MAY PERTAIN!

Corrections to this 1986-87 Bulletin

College Courses

Actg. C305 IS NOT AVAILABLE; it is currently being rewritten.
Bact. C154 IS NOT AVAILABLE; it is currently being rewritten.
Biol. C200 IS NOT AVAILABLE; it is currently being rewritten.
Bus. C466 HAS BEEN REVISED; the new revision has 15 lessons and 3 exams. The texts to order are Barnes and Dworkin, Law for Business, Richard Irwin, 1987 and the Student Workbook for use with Law for Business.
Bus. C467 HAS BEEN REPLACED by a revision entitled Bus. C366; the new revision has 15 lessons and 3 exams. The text to order is the same as for Bus. C466.
FL/FR C101a - Elementary French - NO LONGER OFFERED.
FL/S C101 requires the student to also purchase the Manual of Exercises to Accompany Habla Espanol? Essentials.
Psych. C100 IS AVAILABLE; offered for 3 credits (22 lessons; 2 exams). The text to order is Wade and Tavris, Psychology, Harper and Row, 1987.
Psych. C309 requires the student to also purchase a supplementary packet of materials.
Soc. C110 IS NOT AVAILABLE; it is currently being rewritten.
Soc. C330 IS NOT AVAILABLE; it is currently being rewritten.
Sp. Ed. C323 IS NOT AVAILABLE; it is currently being rewritten.
Voc. Ed. C473 IS NOT AVAILABLE; it is currently being rewritten.

High School Courses

AS OF SEPT. 1, 1987 HIGH SCHOOL COURSE FEES INCREASED FROM $70.00 to $80.00.
Amer. Govt. I is replaced by the new course called State and Local Government II which has 16 lessons and 2 exams. The text to order is Duncombe & Weisel, State and Local Government in Idaho and the Nation, University of Idaho Research Foundation, 1984.
9th Engl. I & II ARE NOT AVAILABLE; they are currently being rewritten.
10th Engl. I & II ARE NOT AVAILABLE; they are currently being rewritten.
11th Engl. I & II ARE NOT AVAILABLE; they are currently being rewritten.
12th Engl. I, II & III ARE NOT AVAILABLE; they are currently being rewritten.
Gen. Math I & II ARE NOW AVAILABLE; both with 12 lessons, 4 exams. The text to order is Stein, Second Course in Fundamentals of Mathematics, Allyn and Bacon, 1986.
Health Education IS A NEW COURSE, offered for 1/2 unit (one semester); (18 lessons; 8 exams). Order text: Althaus, Thompson, Walker and Zuti, Health, Scott, Foresman Publisher, 1987.
Probs. in Amer. Dem. IS NOT AVAILABLE; it is currently being rewritten.

Check with the Correspondence Study Office for availability of the courses listed as unavailable at this time.
MEMORANDUM
REGISTRAR

BOISE STATE UNIVERSITY

JUL 11 1986

TO: Delba Christiansen
DATE: July 10
FROM: Robert Luke
DATE: 1986

SUBJECT: Department split

For all practical purposes the Dept of Physics, Engineering and Const Mgt was split as of July 1, 1986. It will not be formalized until Sept-Oct.

Norm Dulan is chair of Const Mgt &amp; Engineering and Dan is chair of Physics.

Registration, scheduling etc from now on will be on the basis of the 2 separate departments.

Thanks

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