WELCOME TO BOISE STATE

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

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

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

POLICY STATEMENT CONCERNING CATALOG CONTENTS

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

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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.

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

NOTE

The courses contained in this catalog do not preclude or limit the University in its offerings for any semester or session nor 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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Boise State University Catalog 1986-87
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 .......................................................... Classes begin for 8-week, 10-week, and first 5-week sessions.
June 20, 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.
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 20-21, 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 20, Thursday ................................................... 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.
September 26, Friday ................................................... Last day to file application for graduation for Master's, Baccalaureate and two-year or less degrees, diplomas, and certificates—Registrar's Office.

October 1, Wednesday ............................................... Last day to make class changes or register for first 8-week block courses.
October 3, Friday ........................................................ Last day to make class changes or register by petition for upper division admission for spring semester, 1987.
October 17, Friday ..................................................... Notification of incompletes from previous semester. Last day to file application with department for final Master's written exam.
October 20, Monday ................................................... Second 8-week block begins.
October 24, Friday ..................................................... Last day to submit names for faculty initiated withdrawal notifications.
October 29, Wednesday .............................................. Advising and pre-registration for new and reentry students (not enrolled Fall 1986) 9:00-7:00 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).
October 31, Friday ........................................................ 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 7, Friday ................................................... Last day to make class changes or register by petition.
November 8, Saturday .................................................. Final day for written exam for Master's Degree.
November 19, Wednesday ............................................ Last day to file final oral and project/thesis defense.
November 21, 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. Last day to submit final signed copy of Master's project/thesis—Department. Classroom instruction ends. Last day for complete withdrawal.
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  Priority and Open Registration—Pavilion (see class schedule for registration times).
January 15, Thursday  Classes begin.
January 17, Friday  Open Registration for evening classes only, 5:00-7:00 p.m.—Administration Building.
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  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.
January 30, Friday  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  Recommended date to file CSS Financial Aid Form to be considered for 1987-88 need-based scholarship.
February 13, Friday  Last day for 100% refund for dropping a class or withdrawing from the university.
February 16, Monday  President's Day (Holiday).
February 20, Friday  Last day to add except with consent of instructor.
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 13, Friday  Last day to submit names for faculty initiated withdrawal notifications.
March 16, 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.
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.
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.

The university exists to educate individuals, to ensure their development and to enlarge their opportunities. Boise State creates the intellectual atmosphere to produce educated persons who are literate, knowledgeable of public affairs, motivated to become life-long learners and capable of solving problems through the discipline in which they majored. Students receive a broad education to equip them for mobility in employment, social relevance and informed, active citizenry. Boise State is an urban university, taking its character from the dynamic center of business and government in which it is located.

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

At Boise State, students may choose to study in any one of five colleges — Arts and Sciences, Business, Education, Health Science, Graduate — or 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).

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.
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 re-named Boise State University in 1974.

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

ACCREDITATION AND AFFILIATION: The university is a 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 souvenier 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 IBMs 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.
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 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 maximum uniform limit effective September 1, 1950.

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

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

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

A transfer student, whether resident or non-resident, must have a minimum GPA of 2.00 or above on all prior collegiate work completed or have cleared the probationary provision outlined on page 27. Academic Probation and Disqualification. All decisions relating to admission of foreign students will, however, be made by the Foreign Student Admissions Office.

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

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 agreement 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 other 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
university does not admit applicants under 18 years of age who are attending high school at the time of application unless their high school principal requests their admission. Students in Vocational Technical programs who plan to enter certain extra-curricular activities must meet regular entrance requirements (see eligibility requirements).

Students wishing to enter the BSU Vocational Technical School must submit prior to the deadline date:

1. A completed BSU application
2. A $10 matriculation fee
3. Evidence of high school graduation or GED
4. An official college transcript from all colleges attended showing good academic standing

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

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<thead>
<tr>
<th>Tuition/Fees (1985-86 Costs)</th>
<th>Idaho Resident</th>
<th>Non-Resident</th>
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<td>Total (Undergraduate)</td>
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<tr>
<td>Total (Graduate)</td>
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</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 stationed in the State of Idaho on military orders and who receives fifty percent (50%) or more of support from parents or legal guardians. The student, while in continuous attendance, shall not lose his residence when his parent or guardian is transferred on military orders.

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

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

Other Fees

| Part-time (Undergrad) | $58.75 per Sem Hr |
| Part-time (Graduate) | $75.75 per Sem Hr |
| Summer (Undergrad) | $59.75 per Sem Hr |
| Sumner (Graduate) | $76.75 per Sem Hr |
| Application Processing Fee (Non-refundable) | $10.00 |
| Late Registration Fee | $50.00 |
| (To apply when petition is required to register) |
| Overload Fee | Variable |
| Per credit hour cost over 19 credits |
| Duplicate Activity Card | $5.00 |

MUSIC FEES: Music Performance Fee for all private music lessons:
- 2 credits ................................ 5.00 per semester
- 4 credits ................................ 11.00 per semester

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

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

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

SPECIAL WORKSHOP FEES: Special workshops are conducted throughout the year that are not part of the regularly scheduled courses funded through the university general fund budget. All students, regardless of full-fees or part-time status, will be required to pay the special workshop fees that are set in relation to the expenses required to conduct the course. Registration for these workshops will not change the status of a student for fee purposes.

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

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

Refund Policy

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

- Before Regularly Scheduled Classes Begin ........................................ 100% |
- During first 2 weeks of classes .................................................. 75% |
- During 3rd and 4th week of classes ............................................. 50% |
- After 4th week ................................................................. No Refund |

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

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

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

Financial Aid

Questions about financial aid should be directed to:
Financial Aid Office
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1664

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

Boise State University has a comprehensive financial assistance program that includes a variety of scholarships, loans, grants, and part-time employment.

To be eligible to apply for financial aid, a student must be a U.S. citizen.
or permanent resident and must enroll for credit for at least 6 semester hours and show financial need. Financial aid is determined by careful analysis of financial resources from information furnished on the Financial Aid Form (FAF) submitted to the College Scholarship Service (CSS). A uniform method approved by the U.S. Office of Education is used to determine a student's financial need. Every attempt is made to ensure fair distribution of the resources available to the university.

Application Procedures

To be eligible for financial aid, the student must be admitted to the university into an academic or vocational technical program for the purpose of obtaining a degree or certificate, and submit the following forms:

1. Financial Aid Form (FAF)
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 with a check or money order. 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. Applications 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 states. 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 good academic standing.

Students who earned at least 12 credit hours with a 2.5 GPA during the most recent semester will be considered for reinstatement of their eligibility for financial aid.

EXCEPTION: Financial Aid will not be withheld for students on probation who have met the minimum GPA requirements and are readmitted by their deans.

MINIMUM PROGRESSION RATE REQUIRED:

Bachelor’s

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Master’s

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MAXIMUM TIME ALLOWED FOR COMPLETION OF DEGREE/CERTIFICATE OBJECTIVES:

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<thead>
<tr>
<th>Type of Degree/Certificate</th>
<th>Maximum time allowed for completion of degree</th>
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<tbody>
<tr>
<td>Bachelor's</td>
<td>2 years Full-time 3 years Part-time</td>
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<tr>
<td>Associate</td>
<td>3 years Full-time 5 years Part-time</td>
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<tr>
<td>Vo Tech &amp; Certificate Programs</td>
<td>Within normal program length</td>
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To qualify for the part-time completion time frame, the student must have enrolled part-time at least 50% of the time. A student who does not meet the minimum number of credit hours required has the following options:

1. Complete the summer term without 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.

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, a coed hall that will accommodate 300 students, is located on the north end of the campus, and freshmen are required to live in Towers. Morrison Halls are located on the Boise River, with 300 students that share an office/recreation area with Morrison East, a men's hall with space for 145 men; Driscoll and Morrison Halls accommodate 78 students each, with Driscoll serving as a women's facility and Morrison an upper-class coed hall.

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

Driscoll and Morrison Halls, located on the Boise River, are virtually identical with 48 single and 15 double rooms arranged in 10 suites, accommodating six to eight students per suite.

Morrison Hall is coed with men and women living in opposite wings separated by lounges and laundry facilities. Priority is given in this hall to upper-class students or students over 21 years of age.
Chaffee Hall is divided into two separate three-story units with approximately 90 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.

Residence Hall Contract. All university rules and regulations are specifically made a part of this contract by reference.

PERSONAL PROPERTY AND LIABILITY: Students in residence halls are responsible for providing insurance against loss or damage to their own personal property. The university does not assume responsibility for or carry insurance against the loss or damage of individually owned personal property.

Meal Options and 1985-86 Prices

<table>
<thead>
<tr>
<th>Meal Options</th>
<th>Room Choices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double</td>
<td>Single</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>
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</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.

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 the principles of friendship, scholarship, leadership, mutual respect, helpfulness, and service to the university community.

Three national sororities—Alpha Chi Omega, Alpha Omicron Pi, and Gamma Phi Beta—and four national fraternities—Alpha Tau Omega, Kappa Sigma, 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.

RENTAL RATES PER MONTH (1985-86 PRICES):

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

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Academic Information

Questions about academic regulations should be directed to:

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

Student Records

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

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

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

Classification of Students

After registration, students are classified as follows:

Special-No degree intent; courses of interest only.

Freshmen-0 semester credits through 25.
Sophomore-26 semester credits through 57 or enrolled in Associate, Diploma, or Certificate program.
Junior-58 semester credits through 89.
Senior-90 semester credits and over, or enrolled in second baccalaureate degree program.
Graduate-Has received a baccalaureate degree and enrolled in a graduate level degree program.

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

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

Undergraduate:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time:</td>
<td>12 or more undergraduate semester hours</td>
</tr>
<tr>
<td>½-time:</td>
<td>6-8 undergraduate semester hours</td>
</tr>
<tr>
<td>Less than ½-time:</td>
<td>5 or fewer undergraduate semester hours</td>
</tr>
</tbody>
</table>

Graduate:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time:</td>
<td>9 or more graduate semester hours</td>
</tr>
<tr>
<td>¼-time:</td>
<td>6-8 graduate semester hours</td>
</tr>
</tbody>
</table>
Students receiving veteran's benefits under the G.I. Bill enrolled for less than half-time will receive payment for registration fees only. Veterans pursuing a second baccalaureate degree must have an official evaluation of their transcripts; official copies are forwarded to the V.A. Regional Office, the veteran, and the certifying official at Boise State University. Only the courses listed in the evaluation will be considered in determining V.A. educational payment. Graduate students taking a combination of undergraduate and graduate credits will be certified based on a formula to determine the credit hour load.

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

Advising and Registration

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

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

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

COMPUTATION OF THE GRADE POINT AVERAGE:

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

2. The computation: The GPA is computed only from courses that contribute to the number of GPA credits attempted. For each such course, the number of credit hours is multiplied by a factor that depends on the grade received: 4 for an A, 3 for a B, 2 for a C, 1 for a D, and 0 for an F. The sum of these products constitutes the number of quality points. The GPA is defined to be the quotient 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 only be repeated once. Other courses may be repeated only once to raise the grade of "D" or "F." Provided that the course is still offered. Degree credit for courses so repeated will be granted only once, but both grades shall be permanently recorded. In computing the GPA of a student with repeat courses, only the second grade and quality points shall be used.

ATTENDANCE AND ABSENCE FROM CLASS: Students are responsible for attendance in courses for which they are enrolled. No absences, whether approved by the university or necessitated by illness or other personal emergency, are "excused" in the sense of relieving the student of responsibility to arrange with the instructor to make up work missed.

Regardless of the cause of the absence, a student who has missed a class meeting has lost some of the course content. If 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 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 an 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 prerequisite.
   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 the next 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 will be dismissed from the university.

<table>
<thead>
<tr>
<th>Hours Attempted</th>
<th>Minimum GPA</th>
<th>Hours Attempted</th>
<th>Minimum GPA</th>
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<td>44</td>
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</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.

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

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

3. Reinstatement
   a. A student dismissed from the university, may be reinstated by receiving favorable action on a petition to the academic dean of the college from which the student was dismissed. This is the only route to reinstatement and applies even to the student who has attended another institution since being dismissed from BSU. Readmission to a college may be accompanied by academic performance requirements which are more stringent than those of the university. Failure to meet conditions specified for continuation as a major in a particular college may prohibit a student from future enrollment in that college even though the university minimum academic requirements are satisfied.

   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.
Academic Information

(2-0-2)(FS) Indicates a typical two-hour lecture class for two credits offered either fall or spring semesters.

(0-2-1)(FSU) Indicates a two-hour studio art or PE activity class for one credit offered in fall and summer semesters.

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

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

**ADMISSION TO UPPER DIVISION COURSES:** Upper-division courses are open to students who have completed the stated course prerequisites and 57 semester credits of college work. Lower-division students who have a GPA of 2.0 or better may take upper-division courses if the course is required during the sophomore year in a specific curriculum in which the student is majoring, or the student has the written permission of the chairman of the department in which the course is offered and the concurrence of the advisor.

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

**University-Wide Course Numbers**

**Undergraduate**

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

**Independent Study** (188 and 496) must be arranged between student and professor on an individual basis. The course description does not appear in other sections of the catalog.

**188 Honors Independent Study** (1-3 credits). An independent study experience to provide an Honor Student reading or project studies. Credits may not exceed three (3) per semester nor six (6) maximum in an academic year. PREREQ: Approval of the dean and department chairman upon recommendation of the faculty advisor.

**293-493 Internship (Variable Credits).** The internship number is available to academic departments to provide an opportunity for supervised field-work specifically related to the student's major field of study. To enroll in 293-493, a student must also have a cumulative GPA of 2.0. No more than 12 credits earned in internship (293 and/or 493) can be used to meet department and/or university graduation requirements. Each internship must receive approval from the academic department whose course prefix is being used.

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

**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. Student must make application well in advance of this special study experience. May be repeated for a maximum of 9 credits; 6 credits in any one academic year. PREREQ: Consent of instructor and department chairman, upper division standing.

**497 Special Topics** (2-4 credits) PREREQ: 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 one number of the 580-599 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 course work will be required in at least three disciplines in Areas I and II. BA candidates must include a literature (Area I) and a history (Area II) course, and either 1) a year's sequence in one science and a semester in another or 2) three courses in science concepts to fulfill Area III.

In addition, BA students must have an additional 9 hours in Area I and/or II, and B.S. students must have an additional 9 hours in Areas I 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 a special advisor who will help the student enroll in appropriate courses to build basic skills. Such students should not enroll in more than an equivalent of 12 credit hours per semester until the deficiency is removed.

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

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

1. Completion of E 101 and E 102, English Composition.
2. Completion of E 111 and E 112, Honors Composition. Admittance is dependent on ACT score.
3. Successful Challenge of E 101 or E 102 by taking the departmentally
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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 101</td>
<td>Survey of Western Art</td>
<td>3</td>
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<tr>
<td>AR 103</td>
<td>Introduction to Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 105, 106</td>
<td>Basic Design</td>
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<tr>
<td>E 215</td>
<td>Far Eastern Literature in Translation</td>
<td></td>
</tr>
<tr>
<td>E 230</td>
<td>Western World Literature</td>
<td></td>
</tr>
<tr>
<td>E 235</td>
<td>Western World Literature</td>
<td></td>
</tr>
<tr>
<td>E 240</td>
<td>Survey of British Literature to 1790</td>
<td></td>
</tr>
<tr>
<td>E 260</td>
<td>Survey of British Literature: 1790 to Present</td>
<td></td>
</tr>
<tr>
<td>E 271</td>
<td>Survey of American Literature: Beginning to Civil War</td>
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<tr>
<td>E 272</td>
<td>Survey of American Literature: Civil War to Present</td>
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<tr>
<td>F 201, 202</td>
<td>Intermediate French</td>
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<tr>
<td>G 201, 202</td>
<td>Intermediate German</td>
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<tr>
<td>HU 207, 208</td>
<td>Introduction to Humanities</td>
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<tr>
<td>IH 101</td>
<td>Humanities: A View of Human Nature, I</td>
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<td>IH 102</td>
<td>Humanities: A View of Human Nature, II</td>
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<td>IH 111</td>
<td>Humanities: A View of Human Nature, III</td>
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<td>IH 112</td>
<td>Humanities: A View of Human Nature, IV</td>
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<tr>
<td>MU 133</td>
<td>Introduction to Music</td>
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<tr>
<td>PY 101</td>
<td>Introduction to Philosophy</td>
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<tr>
<td>PY 121</td>
<td>Introduction to Logic</td>
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<tr>
<td>S 201, 202</td>
<td>Intermediate Spanish</td>
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<tr>
<td>TA 107</td>
<td>Introduction to Theatre</td>
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**Area II—Social Sciences**

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<tr>
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<tbody>
<tr>
<td>AN 101</td>
<td>Physical Anthropology</td>
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</tr>
<tr>
<td>AN 102</td>
<td>Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>AN 103</td>
<td>Introduction to Archeology</td>
<td></td>
</tr>
<tr>
<td>CM 111</td>
<td>Fundamentals of Speech Communication</td>
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<tr>
<td>CM 112</td>
<td>Reasoned Discourse</td>
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<tr>
<td>EC 201</td>
<td>Principles of Economics-Macro</td>
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<tr>
<td>EC 202</td>
<td>Principles of Economics-Micro</td>
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<tr>
<td>GG 101</td>
<td>Introduction to Geography</td>
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<td>GG 102</td>
<td>Cultural Geography</td>
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<td>HY 101, 102</td>
<td>History of Western Civilization</td>
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<td>HY 151, 152</td>
<td>United States History</td>
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<tr>
<td>HY 201, 202</td>
<td>Problems in Western Civilization</td>
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<td>HY 251, 252</td>
<td>Problems in U.S. History</td>
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<td>PO 101</td>
<td>American National Government</td>
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<td>PO 231</td>
<td>International Relations</td>
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<td>P 101</td>
<td>General Psychology</td>
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<td>SO 101</td>
<td>Introduction to Sociology</td>
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<tr>
<td>SO 102</td>
<td>Social Problems</td>
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<td>SO 230</td>
<td>Introduction to Multi-Ethnic Studies</td>
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<td>TE 201</td>
<td>Foundations of Education</td>
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**Area III—Natural Science-Mathematics**

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<tr>
<td>B 100</td>
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<td>BT 130</td>
<td>General Botany</td>
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<tr>
<td>C 100</td>
<td>Concepts of Chemistry</td>
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<td>C 107</td>
<td>Essentials of Chemistry</td>
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<tr>
<td>C 108</td>
<td>Laboratory for Essentials of Chemistry</td>
<td></td>
</tr>
<tr>
<td>C 109</td>
<td>Essentials of Chemistry</td>
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</tr>
<tr>
<td>C 110</td>
<td>Laboratory for Essentials of Chemistry</td>
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</tr>
</tbody>
</table>

**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 graduate 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 credits for graduation must equal 128. These must include:
   - English Composition E 101, 102 ... 3-6
   - Upper Division credit hours ... 40
2. Grade Point Average for all courses taken must equal 2.0 or greater.
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 GPA of 2.00 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

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 to Physical Science or A Cultural Approach to Physics, but not both

5. Students seeking the B.S. degree must have an additional 9 credits chosen from courses in any of the following disciplines:
   Anthropology
   Biology
   Chemistry
   Communication
   Economics
   Engineering
   Geography
   Geology
   History
   Mathematics
   Physical Science
   Physics
   Political Science
   Psychology
   Social Work
   Sociology
   Teacher Education

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

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

Area III
- Biological Sciences
- Mathematics
- Physical Sciences

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

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

Bachelor of Fine Arts Degree

MINIMUM REQUIREMENTS (CREDITS)

1. General University Requirements
   English Composition E 101, 102 ....................................................... 9
   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 ........................................................................ 3
   Literature ..................................................................................... 3
   Other courses ............................................................................... 3
   No fewer than 3 credits selected from:
   - Introduction to Music
   - Introduction to Theatre
   - Introduction to Humanities
   - Introduction to Philosophy or Ethics
   - Foreign Language (201 or higher of one language)

3. Area II Requirements
   Social Sciences ............................................................................. 9
   Lower Division History ................................................................. 3
   Other courses ............................................................................... 3
   No fewer than 3 credits selected from:
   - Anthropology
   - Communication
   - Economics
   - Geography
   - Political Science
   - Psychology
   - Social Work
   - Sociology
   - Teacher Education

4. Area III Requirements
   Foreign Language and Area III Requirements .......................... 8
   a. Performance and Theory—Composition Majors:
      A year's sequence of a foreign language .............................. 8
   b. Music Education Majors:
      A year's sequence of a foreign language .............................. 8

   OR
   A year's sequence chosen from:
Academic Information

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

Bachelor of Applied Science Degree

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

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

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

Minimum Credit Requirements

Vocational Technical Education Major ........................................ 64

Areas of Emphasis:

Business Machine Technology
Child Care Studies (Supervisor)
Drafting
Electronic Service Technology
Electronics-Semi-Conductor Technology
Electronics Technology
Horticulture Service Technician
Machine Shop
Marketing: Mid-Management

General University Requirements ............................................. 64

English Composition .............................................................. 3-6

NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (CORE) for details.

Math 105 and Math 106 ......................................................... 8

Area I

Area I (must have three fields) ................................................ 12

- Art
- Foreign Language (201 or higher of one language)
- Humanities
- Literature
- Music
- Philosophy
- Theatre Arts

Area II

Area II (must have three fields) .............................................. 12

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

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.

Area III

Area III (must have two fields) ............................................. 12

- Biology
- Chemistry
- Engineering
- Geology
- Mathematics
- Physical Science

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.

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

NOTE: Must have a C grade in each Core Curriculum course and an overall GPA of 2.0.

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.

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.

   A more detailed explanation of Applied Science Degree information can be found in the Educational Technical Section of this Catalog.

Associate of Arts Degree Program

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

   - English Composition E 101, 102 ........................................... 3 or 6 cr
   - Area I including Literature ................................................ 12 Cr
   - Area II including History ................................................... 12 Cr
   - Area III ............................................................................. 8 Cr
   - Major Requirements .......................................................... 12 Cr
   - Electives ............................................................................. 14 or 17 Cr

   64 Cr

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

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

Degree Codes

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>AA</td>
<td>Associate of Arts</td>
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<tr>
<td>AAS</td>
<td>Associate of Applied Science</td>
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<tr>
<td>AS</td>
<td>Associate of Science</td>
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<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>
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<tr>
<td>BFA</td>
<td>Bachelor of Fine Arts</td>
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<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>
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<tr>
<td>DIP</td>
<td>Diploma</td>
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<tr>
<td>END</td>
<td>Teacher Education</td>
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<td>Master of Arts</td>
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<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>
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<tr>
<td>TE</td>
<td>Teacher Certification</td>
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</tbody>
</table>

Major Names 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 (CC)
- Automotive Mechanics (CC)
- Biology (BS)
- Biology, Secondary Education (BS)
- Business Education (BBA, BA, BS)
- Administrative Services Option
- Distributive 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)
- Early Childhood 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)
  - Areas of Specialization: Early Childhood Education
  - Elementary Education-Bilingual Multicultural (BA)
  - English (BA)
  - 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
  - Performance Theory/Composition
  - Music Education (BM)
  - Masters in Education (MA, MS)
  - Art
  - Business Education
  - Earth Science
  - English
  - History
  - Mathematics
  - Music
  - Reading
  - Special Education
  - Early Childhood
  - Curriculum and Instruction
  - Nursing (AS, BS)
  - Office Occupations (CC)
  - Philosophy (BA)
  - Physical Education (BA, 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)
  - Pre-Physical Therapy (—)
  - Pre-Medical (—)
  - Pre-Medical & Pre-Dental (BS)
  - Biology
  - Chemistry
  - Pre-Occupational Therapy (—)
  - Pre-Optometric (—)
  - Pre-Pharmacy (—)
  - Pre-Physical Therapy (—)
  - Pre-Technique (—)
  - Pre-Veterinary Medicine Studies (BS)
  - Production Management (BBA, BA, BS)
  - Psychology (BS, BA)
  - Public Administration (MPA)
  - Quantitative Management (BBA, BA, BS)
  - Radiologic Technology (AS, BS)
  - Real Estate (BBA, BA, BS)
  - Respiratory Therapy (AS, BS)
  - Small Engine Repair (CC)
  - Social Science (AS, 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)
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.

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 enrichment 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, 296, 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).** 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.

**Academic Enrichment and Special Programs**

**IH 102 Humanities: A View of Human Nature II (3-0-3).** 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 themes of alienation and how individuals respond to social pressures. PREREQ: IH 101.

**IH 111 Humanities: A View of Human Nature III, "Consciousness and Human Imagination (3-0-3).** This course will examine the human imagination as a necessary constituent of each person’s consciousness of his lived experience, i.e., it will analyze the role that human imagination plays for each of us in making our everyday lives, private and social, livable, understandable, and worthwhile. This course will also examine the imagination’s capacity to capture our lived experience for reflection in the formalized modes of imagination, science, philosophy, art and literature. Students will examine inherent and relative values. PREREQ: Completion of or concurrent enrollment in E 101.

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

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

**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).** Introductory, interdisciplinary survey, focusing on the character 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 included. Open to all students. Required of CN Minors.

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

- **AN 307** Indians of North America
- **AN 312** Archeology of North America
- **CS 201-02** Intermediate French
- **CS 303-04** Advanced Composition and Conversation
- **CS 328** Lectures avances de la poesie et de la prose francaises
- **F 359** Les grandes oeuvres contemporaines (1939 to the present)
Academic Enrichment and Special Programs

F 376 La Civilization francaise historique
F 377 La Civilization francaise moderne
GC 297 Geography and Geology of Canada
HY 335 Diplomatic History of the United States
HY 380-480 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 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 may 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:

ENGLISH COMPOSITION
   (score of 498 or above) ....... 3 hrs, LD elective
   (score of 433-497) ....... 4 hrs, Area III CORE
   (score of 430 or above) ....... 4 hrs, Area III CORE

NATURAL SCIENCES
   (score of 542 or above) ....... 3 hrs, Area I CORE

MATHEMATICS
   (score of 514 or above) ....... 6 hrs, Area I CORE

HUMANITIES
   (score of 453 to 506) ....... 3 hrs, Area II CORE

SOCIAL SCIENCES & HISTORY
   (score of 507 or above) ....... 6 hrs, Area II CORE

CLEP SUBJECT EXAMS BY THE CEEB: The CLEP Subject Exams are designed to test achievement in specific college subjects in a variety of areas. 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.

CLEP Exam Title
BSU Equiv. Course & Number of Credits

English Composition (50)* ........ E-101, English Composition (3)
Freshman English (51)* ........ E-101, English Composition (3)
Analysis and Int. of Lit. (51)* .... E-102, English Composition (3)
Biography (49)** ................ B-100, Concepts of Biology (4)
General Chemistry (50) ........ C-107/108, Essentials of Chem (4)
College Algebra (48) ........ M-108, Intermediate Algebra (4)
College Algebra & Trig. (50) .... M-111, Algebra and Trig. (5)
Calculus with Elem. Functions (49) M-204, Calculus and Anal. Geom. (5)

Elem. Computer Prog. Fortran IV (51) C-124, Digital Comp. Prog. (2)

Introduction to Accounting (50) AC-205, Intro. to Finan. Acctg. +

Computers & Data Processing (49)**15-210, Intro. to Info Science (3)

Intro. Business Management (49) GB-101, Introduction to Bus. (3)

Introduction Marketing (50) MK-301, Principles of Marketing (3)

American Government (50) PO-101, American National Govt (3)

Introductory Sociology (50) SO-101, Introduction to Sociol. (3)

General Psychology (50) P-101, General Psychology (3)

Educational Psychology (49)** P-325, Educational Psychology (3)

Western Civilization I (49) HY-101, History of Western Civ. (3)

Western Civilization II (49) HY-102, History of Western Civ. (3)

American History I (49) HY-151, U.S. History (3)

American History II (49) HY-152, U.S. History (3)

College French—Level 1 (44) F-101/102, Elementary French (8)

College French—Level 2 (45) F-201/202, Intermediate French (8)

College German—Level 1 (43) G-101/102, Elementary German (8)

College German—Level 2 (55) G-201/202, Intermediate German (8)

College Spanish—Level 1 (45) S-101/102, Elementary Spanish (8)

College Spanish—Level 2 (55) S-201/202, Intermediate Spanish (8)

*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.

**Credits obtained by successful completion of this subject exam may be applied towards Area III requirements. It does not fulfill requirements for the Biology Major.

***To receive credit for I-210, the student must meet with Dr. Emerson Masson (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 Singh (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 | HY-151/152, U.S. History (5)
History of Art | AR-101/102, Survey of Western Art (6)
Studio Art | AR-111/112, Drawing (4) or AR-113/114, Painting (4)
Biology | BT-130/Z-130, General Botany & General Zoology (9)
Computer Science | CS-125, Pascal Programming (3)
Chemistry | C-131-134, College Chemistry (9)
English (score of 5) | E-101/102, English Composition (6)
French (score of 3 or 4 & favorable evaluation of essay) | E-101/102, English Composition (6)
German (score of 3 or 4) | E-101, English Composition (3)
European History | HY-102, Western Civilization (3)
French Level 3, Language | F-101/102, Elementary French (8)
French Level 3, Literature | F-201/202, Intermediate French (8)
German Level 3, Language | G-101/102, Elementary German (8)
German Level 3, Literature | G-201/202, Intermediate German (8)
Mathematics, Calculus AB, M-204, Calculus & Analytic Geometry (5)
Mathematics, Calculus BC-205/205, Calculus & Analytic Geometry (9)
Theory of Music | MU-101, Music Fundamentals (2)
Listen/Literature of Music | MU-133, Introduction to Music (3)
General Physics B | PH-101, General Physics (4)
Mechanics of Physics C | PH-220, Physics C, Mechanics (3)
Spanish Level 3, Language | S-101/102, Elementary Spanish (8)
Spanish Level 3, Literature | S-201/202, Intermediate Spanish (8)

*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**

| Microbiology (50) | B-205, Microbiology (4) |
| Abnormal Psychology (50) | P-301, Abnormal Psychology (3) |
| Statistics (50) | 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 Examination Program are available to personnel currently on active duty in the Army, Navy, Air Force, Marine Corps, and Coast Guard, or the cadets and midshipmen of their respective academies, and other appropriate persons.

DANTES offers four different series of examinations. They are: CLEP General Exam, CLEP Subject Exam, DANTES Subject Standardized Tests, and the GED Exams. BSU’s policy on CLEP can be found just above this section; BSU will not grant credit for GED proficiency.

The DANTES Subject Standardized Tests (DSST’s) are an extensive series of subject-matter examinations in college and technical subjects and are essentially course achievement tests. The American Council on Education (ACE) has reviewed and evaluated each DSST and has formulated credit recommendations. BSU will follow the ACE recommendations and will grant as lower division elective credit the number of hours credit recommended by the ACT for each DANTES course listed in the guide directory of DANTES SUBJECT STANDARDIZED TESTS (DSST’s), June 1983, or subsequent issues, if the student scores at or above the minimum acceptable score on that examination.

**Other Training Programs Recommended for Credit by the ACE:** Currently enrolled BSU students who successfully complete a training program listed in THE NATIONAL GUIDE TO EDUCATION CREDIT FOR TRAINING PROGRAMS 1982-83 Edition (or subsequent editions) published by the American Council on Education (ACE) who successfully complete a training program listed in A GUIDE TO EDUCATIONAL PROGRAMS IN NONCOLLEGIATE ORGANIZATIONS 1982 Edition (or subsequent editions) published by The University of the State of New York can request consideration for credit for that experience. BSU will follow the ACE and/or SUNY 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.

A complete list of all current ACE non-collegiate approved educational program organizations is available in the Administration Building, Room 105. Information about these programs can be requested by calling (208) 385-1177. A partial listing of agencies that offer approved programs follows:

- American Institute of Banking
- American Medical Record Association
- American National Red Cross
- American Telephone and Telegraph Company
- Boy Scouts of America
- Federal Aviation Administration
- Federal Law Enforcement Training Center
- General Electric Company
- Life Management Institute (LOMA)
- Mountain Bell Training and Education Center
- National Fire Academy
- Police Training Institute
- Professional Secretaries International
- United States Postal Service—Training & Development Institute
- YMCA/YWCA

**Evaluations 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, the department chairman will decide the amount of academic credit to be granted in his/her specific area.

**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 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 MAHAFB 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 DD241 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 courses 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 offers 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 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.

**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 on the BSU campus for further information.

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

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

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

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

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

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

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

Selected qualified students receive scholarships for two, three, or four years that pay for tuition, fees, books and laboratory costs each year and also receive $100 a month retainer pay for 10 months each year.
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 facilitating 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 education associations; it is sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community and Junior Colleges (AACC).

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-
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 government 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 officer training
   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
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 an 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. Clinic hours range from 9:00 a.m. to 4:00 p.m., Monday through Friday each day classes are in session. Outpatient medical care is rendered to full-time registered students within the capability of the facility at no additional cost after the general registration fee is paid. Minimal fees are charged for tests and procedures not within the capability of the Student Health Service. Patient referrals are made as necessary.

The Student Health Service is equipped to care for more than 90 percent of student health care needs.

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

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

INTERNATIONAL STUDENTS: The Associate Dean of Admissions (Visitor's Center) is the international student advisor and is responsible for immigration requirements concerning the visa status, and initial academic advising, orientation, and registration of all non-U.S. citizens on the campus. All new international students must report to the Associate Dean of Admissions as soon after arrival as possible. This office provides assistance and a central contact and information source to 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 regionally 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 boxing 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.
Department of Art
Liberal Arts Building, Room 252  Telephone (208) 385-1230
Chairman and Professor: Louis A. Peck; Professors: Huff, Kilmaster, 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
Credits .................................................. 51

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

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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
Credits .................................................. 39
Total .................................................... 128

Art Education-Bachelor of Arts Program

General University & Basic Core Requirements
Credits .................................................. 51

Art Major Requirements
Painting .................................................. 8
Drawing .................................................. 8
Art History ............................................. 12
Watercolor ............................................. 4
Design ................................................... 6
Printmaking .......................................... 2
Sculpture .............................................. 2
Ceramics ............................................... 2
Art Metals ............................................. 2
Senior Seminar ...................................... 3

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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.

Educating Exceptional Secondary Student TE 333 .................... 1
Foundations of Education TE 201 .................................. 3
Reading in Content Subject TE 307 ................................ 3
Secondary School Methods TE 381 .................................. 3
Educational Psychology P 325 ...................................... 3

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College of Arts and Sciences

Art Methods in Secondary Schools AR 351 ............................ 3
Elementary School Art Methods AR 321 ............................ 3
Secondary Student Teaching ......................................... 8-16
27-35

Electives
Credits .................................................. 1-9
TOTAL .................................................. 128*

Art-Advertising Design-Bachelor of Arts Program

General University & Basic Core Requirements
Credits .................................................. 51

Art Major Requirements
Advertising Design ....................................... 10
Watercolor and-or Painting ................................ 8
Drawing .................................................. 6
Advertising Illustration ................................... 6
Design ................................................... 6
Lettering-Lettering & Layout .............................. 4
Art History ............................................. 6
Printmaking .......................................... 2
Creative Photography .................................... 2
Senior Seminar ...................................... 3

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ART MAJOR
Bachelor of Fine Arts Program

General Art-Bachelor of Fine Arts Degree

General University & Core Requirements
Credits .................................................. 32

Art Major Requirements
Painting .................................................. 8
Drawing .................................................. 8
Art History ............................................. 12
Watercolor ............................................. 4
Design ................................................... 6
Printmaking .......................................... 2
Sculpture .............................................. 2
Ceramics ............................................... 2
Art Metals ............................................. 2
Senior Seminar ...................................... 3
Art Electives ......................................... 16

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

Electives
Credits .................................................. 31
TOTAL .................................................. 128*

Art Education-Bachelor of Fine Arts

General University & Core Requirements
Total Credits ........................................... 32

Art Major Requirements
Painting .................................................. 8
Drawing .................................................. 8
Art History ............................................. 9
Watercolor ............................................. 4
Design ................................................... 6
Printmaking .......................................... 2
Sculpture .............................................. 2
Ceramics ............................................... 2

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College of Arts and Sciences

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

Education Requirements for Qualifications Toward State Certification

Art Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History AR101-102</td>
<td>3</td>
</tr>
<tr>
<td>Lettering AR 107</td>
<td>2</td>
</tr>
<tr>
<td>Interior Decorating AR 131</td>
<td>3</td>
</tr>
<tr>
<td>Crafts</td>
<td>2</td>
</tr>
<tr>
<td>Lettering</td>
<td>2</td>
</tr>
<tr>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Major Emphasis</td>
<td>48</td>
</tr>
</tbody>
</table>

Recommended Program

**ART MAJOR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Design AR 105-106</td>
<td>3</td>
</tr>
<tr>
<td>Drawing AR 111-112</td>
<td>4</td>
</tr>
<tr>
<td>History of Amer Architecture I,II, AR 270,271</td>
<td>6</td>
</tr>
<tr>
<td>Architectural Graphic Communication AR 255</td>
<td>3</td>
</tr>
<tr>
<td>Basic Architectural Design AR 236</td>
<td>3</td>
</tr>
<tr>
<td>Materials &amp; Methods of Architecture AR 290</td>
<td>3</td>
</tr>
<tr>
<td>Art Elective</td>
<td>2</td>
</tr>
<tr>
<td>Interior Decorating AR 131</td>
<td>2</td>
</tr>
</tbody>
</table>

**ENGINEERING COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surveying EN 215</td>
<td>2</td>
</tr>
<tr>
<td>Digital Computer Programming EN 104</td>
<td>2</td>
</tr>
</tbody>
</table>

**ENGLISH COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>6</td>
</tr>
</tbody>
</table>

**MATHEMATICS COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra &amp; Trigonometry M 111</td>
<td>5</td>
</tr>
<tr>
<td>Calculus &amp; Analytical Geometry M 204</td>
<td>5</td>
</tr>
</tbody>
</table>

**PHYSICS COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Physics PH 101-102</td>
<td>8</td>
</tr>
</tbody>
</table>

**Course Offerings**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>AR 100 BASIC DRAWING AND PAINTING FOR NON-ART MAJORS (0-4-2)(F/S)</td>
<td>3</td>
</tr>
<tr>
<td>AR 101 SURVEY OF WESTERN ART 101-102</td>
<td>6</td>
</tr>
<tr>
<td>AR 102 SURVEY OF WESTERN ART II 301-302</td>
<td>6</td>
</tr>
<tr>
<td>AR 103 INTRODUCTION TO ART 103-104</td>
<td>12</td>
</tr>
<tr>
<td>AR 105 BASIC DESIGN 201-202</td>
<td>6</td>
</tr>
<tr>
<td>AR 106 BASIC DESIGN 301-302</td>
<td>6</td>
</tr>
<tr>
<td>AR 107 LETTERING 103-104</td>
<td>8</td>
</tr>
<tr>
<td>AR 108 LETTERING AND LAYOUT 105-106</td>
<td>8</td>
</tr>
<tr>
<td>AR 111 DRAWING 107-108</td>
<td>8</td>
</tr>
<tr>
<td>AR 112 DRAWING 207-208</td>
<td>8</td>
</tr>
<tr>
<td>AR 113 PAINTING 307-308</td>
<td>8</td>
</tr>
<tr>
<td>AR 114 PAINTING 407-408</td>
<td>8</td>
</tr>
</tbody>
</table>

### Upper Division

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 115 LANDSCAPE PAINTING 109-109</td>
<td>8</td>
</tr>
</tbody>
</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
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). Aid in understanding and proper use to. public school class 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 203 ADVERTISING DESIGN (0-4-2)(F). Special assignments in various techniques employed in advertising and commercial art, problems in layout, typography, and reproduction processes will be emphasized. Advisable to take AR 105, 106, 107 and 108 prior to AR 203.

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

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

AR 210 PRINTMAKING (0-4-2)(F/S). This course is designed to be a transitional class between the introduction to printmaking AR 209 and the advanced class AR 309. Emphasis will be placed on the use of the techniques to accommodate one's 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 fees. PREREQ: AR 111-112.

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

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

AR 217 PAINTING: WATERTCOLOR (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)(FS). Painting from models with an emphasis on a representational approach; study of form, color and composition as they relate to the human figure. Model fees. 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 251 INTRODUCTION TO CREATIVE PHOTOGRAPHY (2-2-2)(F/S). An aesthetic approach to the basic photographic skills of camera operation, film development and enlargement of negatives. All work in black and white. Adjustable camera required.

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

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

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


AR 290 MATERIALS AND METHODS OF ARCHITECTURE (3-0-3)(S). This course is designed 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.

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

AR 302 HISTORY OF TWENTIETH CENTURY MOVEMENT IN ART (3-0-3)(S). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada and Surrealism. Critical writings will be assigned.

AR 303 STUDIO IN ADVERTISING DESIGN (0-6-3)(F). 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 of three-dimensional design, continuing with problems in line, form, color, texture, and space. Advisable to take AR 105 and 106 prior to AR 305.

AR 307 STUDIO IN METALSMITHING (0-6-3)(F). Advanced study in materials of jewelry making and metalsmithing with special emphasis on forging, stone setting, 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 (0-4-3)(F). Introduction to color printing and advanced printmaking in any of the following specialized areas, each of which
may be repeated once for credit: intaglio, lithography, serigraphy, and relief printing. PREREQ: AR 209.

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

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

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

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

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

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

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

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

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

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

AR 345 STUDIO IN CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F/S). Advanced study of photographic techniques: emphasis on the creative approach to picture taking and printing. Adjustable camera required. May be repeated for credit. PREREQ: AR 251 or PERM/INST.

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

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

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


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

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

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

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

AR 419 STUDIO IN METALS (0-6-3)(F/S). Continued study in materials and methods 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/S). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 325 and 326 prior to AR 425. Individual instruction will be given. May be repeated for credit.

AR 431 STUDIO IN SCULPTURE (0-6-3)(F/S). Continued study in the 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 (2-4-3)(F/S). Individual problems in black and white photography. Advisable to take AR 251 and 341. May be repeated for credit.

AR 498 SENIOR SEMINARS (3-0-3)(F/S). Required reading and written and oral reports relative to the senior art major's area of interest within the visual arts. PREREQ: Senior status.

Department of Biology

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


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 113 ..................................... 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 .................................... 4
   - Human Physiology Z 401 ................................... 4
   - General & Comparative Physiology Z 409 ............... 4
   - Morphology—one course .................................... 4
   - Plant Anatomy BT 302 ...................................... 4
   - Plant Morphology BT 311 ................................... 4
   - Comparative Vertebrate Anatomy Z 301 ................ 4
   - Vertebrate Embryology Z 351 ............................ 4
   - Vertebrate Histology Z 400 ................................ 4
   - Biology Electives to total 45 credits* ................. 17
   - Chemistry ...................................................... 14
   - College Chemistry C 131-134 ............................. 9
   - 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 .......... 5
     - Digital Computer Programming EN 104 (or CS 124) 2
   - Recommended Electives .................................... 30
   - Area I & II Electives ......................................
   - Biochemistry C 431 .........................................
Introduction to Biophysics PH 207
Earth Science Electives

Secondary Education Option—Major Endorsement
1. General University and Baccalaureate Degree Requirements
   Credits .................................. 30
2. Major Requirements
   Credits .................................. 54-69
   Biology + .................................. 30-45
   Biology Core ................................ 13
   Microbiology B 205 ........................ 4
   Genetics B 343, 344 ...................... 4
   Physiology BT 401, 409 ................. 4
   Systematic Botany BT 305 ............... 4
   Biology Electives* ....................... 1-16
   The following electives are highly recommended:
   - Ecology B 423, 424 ..................... 3-4
   - Entomology Z 307 ...................... 4
   - Invertebrate Zoology Z 307 ......... 4
   - Vertebrate Natural History Z 355 .... 4
   Chemistry ................................ 14
   - College Chemistry C 131-134 ....... 9
   - Organic Chemistry C 317, 319 ...... 5
   Mathematics ............................. 10
3. Education Requirements to include Science Methods
   Credits .................................. 24-32
4. Electives
   Credits .................................. 0-19
   *A maximum of 4 credits of independent study may be counted towards fulfillment of the
   Biology Electives.

   A Biology Major without a minor requires 45 Biology credits. A Biology Major with a minor
   requires 30 Biology credits. In both instances a minimum of 6 credits must be in Botany and
   6 credits in Zoology.

Secondary Education Option—Minor Endorsement
1. General University and Baccalaureate Degree Requirements
   Credits .................................. 30
2. Major Requirements
   Credits .................................. 30
3. Minor Endorsement in Biology
   Credits .................................. 21
   - General Botany BT 130 and General Zoology Z 130 ....
   - Systematic Botany BT 305 ...........
   - Concepts of Anatomy & Physiology Z 107 ....
   - Genetics, Lab B 343, B344 ...........
   - or Vertebrate Natural History Z 355
4. Education Requirements
   Credits .................................. 24-32
5. Electives
   Credits .................................. 17-23

Recommended Program

BIOLOGY MAJOR
Bachelor of Science Degree

FRESHMAN YEAR

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SOPHOMORE YEAR

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JUNIOR YEAR

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BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science

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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

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SOPHOMORE YEAR

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<td>General Forestry FS 101</td>
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<td>Systematic Botany BT 305</td>
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<td>Fundamentals of Speech CM 111</td>
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<td>Basic Surveying EN 215</td>
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<td>Digital Computer Programming EN 104</td>
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<td>Physical Education</td>
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Course Offerings

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

B 200 MAN AND THE ENVIRONMENT (3-0-3)(F/S). The impact of biological, economic, and social factors on man's environment are discussed. Participants become aware of important issues and factors involved in environmental decision making.

B 205 MICROBIOLOGY (3-2-4)(F/S). A survey of microbial diversity, structure, function, and metabolism; principles of microbial control; host-parasite relationships; immunology; and medically important microorganisms. PREREQ: C 107 and Z 111-112 (or equivalent) or PERM/INST.

Upper Division

B 301 CELL BIOLOGY (3-0-3)(F/S). Structure and function prokaryotic and eukaryotic cells, cellular energetics and metabolism, mitochondria and chloroplasts, cell and organelle genetics, chromosomal aberrations, and medical applications of Cell Biology. One year of college Biology and prior or concurrent enrollment in Organic Chemistry are required.

B 303 GENERAL BACTERIOLOGY (3-6-5)(F). A general survey of the field of Bacteriology: techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects and immunology. PREREQ: C 317, B 301, PERM/INST.

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

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

B 344 GENETICS LABORATORY (0-3-1)(F). A practical course in the techniques of growing and analyzing genetic materials. Drosophila and other organisms will be cultured and analyzed; reports will be submitted. PREREQ: prior or concurrent enrollment in B 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/S). A survey of the physical factors of the environment and their effect on the mode of life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. Field and laboratory investigations into topics of physical habitat, population, 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 305 SYSTEMATIC BOTANY (2-4-4)(S). Fundamental problems of taxonomy. Discussion of historical development of classification systems and comparison of recent systems. Instruction on use of keys and manuals. PREREQ: BT 130, PERM/INST.

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

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

BT 401 PLANT PHYSIOLOGY (3-3-4)(F). Emphasis placed on physical and chemical processes of plant body functions. 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.

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

Upper Division

Z 301 COMPARATIVE VERTEBRATE ANATOMY (2-6-4)(F). The evolutionary development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander and cat plus demonstrations of other vertebrate types. PREREQ: Z 130, PERM/INST.

Z 305 ENTOMOLOGY (2-6-4)(F). Biology of insects with emphasis on identification and life cycles for students who have completed one year of college level biology. Laboratory includes field trips to collect and identify local species. Insect collection required. Students should meet with instructor the spring or summer before enrolling. PREREQ: PERM/INST.

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

Z 341 ORNITHOLOGY (2-3-3)(S). Birds as examples of biological principles: classification, identification, ecology, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered alternate years. PREREQ: Z 130, PERM/INST.

Z 351 VERTEBRATE EMBRYOLOGY (2-6-4)(S). Germ cell development, comparative patterns of cleavage and gastrulation, neurulation and induction, and development of human organ systems. Laboratory studies of frog, chick, and pig development. PREREQ: Z 130 or PERM/INST.

Z 355 VERTEBRATE NATURAL HISTORY (2-6-4)(F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds and mammals. Two weekend field trips. PREREQ: Z 130, PERM/INST.

Z 361 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.
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) .........
   - Physics Requirements ................................................. 11
   - (PH 220, 221, 222, 223, 224) ........................................
   - 2. Recommended Electives:
      - Foreign Language
      - Upper Division Mathematics
      - Upper Division Physics

2. Idaho Certification Requirements
   - Total Credits ................................................................ 24
   - Foundations of Education TE 201 .................................... 3
   - Reading in Content Subjects TE 307 ................................. 3
   - Education of Exceptional Secondary Students TE 333 ........ 1
   - Educational Psychology P 325 ....................................... 3
   - Secondary School Methods TE 381, 384 ............................. 6
   - Senior High School Student Teaching TE 483 ..................... 8

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

SOPHOMORE YEAR

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

JUNIOR YEAR

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

SENIOR YEAR

Advanced Inorganic Chemistry C 401 ................................. 3
Instrumental Analysis C 411 .............................................. 4
Independent Study C 496 ................................................... 1
Chemistry Seminar C 498, 499 ......................................... 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.

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CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree

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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 (3-3-4H)(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 one-year 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 109 ESSENTIALS OF CHEMISTRY (3-0-3)(S)/Area III. A continuation of C 107 to include basic concepts of Biochemistry. PREREQ: C 107 and 108. Concurrent enrollment in C 110 is required.

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

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

C 132 COLLABORATORY FOR COLLEGE CHEMISTRY (0-3-3)(S)/Area III. Laboratory work to accompany C 131. Concurrent enrollment in C 131 is required.

C 133 COLLEGE CHEMISTRY (3-0-3)(S)/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). 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). 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). Basic organic laboratory techniques and simple organic syntheses. One 3-hour laboratory and one hour of recitation per week. Concurrent enrollment in C 317 is required.

C 320 ORGANIC CHEMISTRY LABORATORY (1-2-2). 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)(S). The fall semester will cover gases, point symmetry, molecular structure and quantum theory (briefly) and the first, second and third laws of thermodynamics. The spring semester continues with thermodynamics, reaction kinetics, phase equilibria, electrochemistry and absorption. PREREQ: C 131, 132, 133, 134, PH 102 or 221, M 206 or equivalent.

C 323, 324 PHYSICAL CHEMISTRY LABORATORY (0-3-1)(F). 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 (3-0-3). C 341 acquaints students with the basics of scientific glassblowing. C 342 gives students practice in techniques and in construction of more complex apparatus. PREREQ: Junior Standing. Offered on demand.
C 401G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F). Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, nonaqueous solutions, and selected properties of elements of periodic table and inorganic comp. PREREQ: C 322, PERM/INST.

C 411G INSTRUMENTAL ANALYSIS (2-6-4S). 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 431G INTRODUCTION TO BIOCHEMISTRY (3-0-3)(F). A study of the chemistry of important compounds and an introduction to metabolism. PREREQ: C 317.

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

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 including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material. PREREQ: C 431.

C 498-C 499 SEMINAR (1-0-1)(F/S). Group discussions of individual reports on selected topics in 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, Pee, Sanderson, Trusky, Widmayer, Zirinsky; Assistant Professors: Ackley, Burmaster, Case, Dayley, Evett, Guilford, Hadden, King, Lojek, McGuire, Nickerson, Rinnert, Selander, Thomas, Warner.

Degrees Offered

1. BA, English, Liberal Arts emphasis
2. BA, English, Secondary Education
3. BA, English, General literature emphasis
4. BA, English, American Literature emphasis
5. BA, English, British Literature emphasis
6. BA, English, Linguistics emphasis
7. BA, English, World Literature emphasis
8. BA, English, Writing emphasis
9. BA, English, Liberal Arts
10. 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
4. BA, English, American Literature emphasis
   - Specific courses:
     - Survey of American Lit, E 271, 272
     - Shakespeare, E 345 or E 346
     - American Renaissance, E 377
     - American Realism, E 378
     - Lit of American West E 384
     - Folklore, E 390
     - Senior Seminar, E 498
   - Area requirements:
     - Modern British & American Lit E 385, 389, 487
     - Lower Division Lit courses E 211, 213, 217, 219, 240 or 260
     - Upper Division electives in Literature or Linguistics
     - American Political Theory PO 331
     - Cultural Anthropology AN 102 (Area II)
     - U.S. History HY 151, 354, 355, 356, 358, or 359

5. BA, English, British Literature emphasis
   - Specific courses:
     - Survey of British Literature E 240, 260
     - Shakespeare E 345 or 346
     - Senior Seminar E 498
   - Area Requirements:
     - Pre-1800 British Lit courses numbered E 340-359
     - Post-1800 British Lit courses numbered E 360-369
     - Electives in British or American Lit (15 Upper Division)
     - British History HY 311, 312, 338 or 432

6. BA, English, Linguistics emphasis
   - Specific courses:
     - Intro to Linguistics LI 305
     - Applied English Linguistics LI 307
     - History of English Language LI 309
     - Modern English Structure LL 304
     - Applied Linguistics in Teaching E 307
     - Senior Seminar E 498
   - Area Requirements:
     - Old or Middle English Lang or Lit (i.e., E 340) or foreign Lit read in original language
     - Electives in literature lower or upper division
     - Upper division electives in Lit. (12 British Lit)
     - One year of a Foreign Language
     - A 2nd year of foreign language or one year of a 2nd foreign language
     - Cultural Anthropology AN 102 (Area II core)

7. BA, English, World Literature emphasis
   - Specific courses:
     - Far Eastern Literature E 215
     - Western World Lit E 230, 235
     - 19th & 20th Cent Continental Lit E 336, 338
     - Medieval Epics & Romance, E 341
     - Shakespeare E 345 or 346
     - Folklore E 390
     - History of Literary Criticism E 393
     - Senior Seminar E 498
   - Area Requirements:
     - Lower Division Lit—E 211, 213, 217, 219, 240, 260, 271 or 272
     - English Lit courses from E 340-369
     - Upper Division electives in Lit or Linguistics
     - World Drama TA 341, 342, or 445
     - History, other than US or British

8. BA, English, Writing emphasis
   - Specific courses:
     - Advanced Expository Comp. E 201
     - Technical Writing E 202
     - Advanced Writing E 401
     - Writing Internship E 493
     - Senior Seminar E 498
   - Area Requirements:
     - Creative Writing E 205, 206, 305 or 306
     - Linguistics LI 305, 307, 309 or 405
     - Lower Division Lit electives, not to exceed 15 credits

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**Course Offerings**

**E ENGLISH**

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

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

**Lower Division**

E 010 DEVELOPMENTAL WRITING (1-4-0). Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or TWSE score is below 20th centile. Also for basic review. Successful completion of competency test required.

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

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

E 111, 112 HONORS COMPOSITION (3-0-3)(Core). Provides superior student challenge emphasizing individual study and original writing. Introduction to critical writing and study of ideas through literature. Honors 111 concentrates on lyric, poetry, essays, and short fiction. Normal prerequisite: ACT of 80th centile or above for E 111. Successful completion of competency test required. PREREQ: E 111 or PERM/CHMN for E 112.
E 120 ENGLISH AS A SECOND LANGUAGE (5-3-3)(F/S). Basic skills in American English pronunciation, sequence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 500 or below. Practice in speaking and listening to current American English, reading and vocabulary development; elementary principles of English Composition. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. Credit not applicable toward requirements for graduation.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(F/S). Continuation of E 120 with special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. PREREQ: Admission to College, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 123 ADVANCED ENGLISH COMPOSITION FOR FOREIGN STUDENTS (5-0-3)(F/S). Study of and practice in the principles of formal and informal written English; principles of the essay and research paper; continuation of vocabulary development and mastery of the more complex types of English structure. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

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

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

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

E 204 CRITICAL THINKING (3-0-3)(F). PREREQ: E 102 or PERM/CHMN. Based on evaluation of student’s original work. May be repeated for nine credit hours.

E 205 CREATIVE WRITING—Poetry (3-0-3)(F). PREREQ: E 102 or PERM/CHMN. May be repeated for nine credit hours.

E 206 CREATIVE WRITING—Fiction (3-0-3)(F). PREREQ: E 102 or PERM/CHMN. May be repeated for nine credit hours.

E 208 CREATIVE WRITING—Short Story (3-0-3)(F). PREREQ: E 102 or PERM/CHMN. May be repeated for nine credit hours.


E 213 AFRO-AMERICAN LITERATURE (3-0-3)(S). The Black experience as reflected in the development of Black American literature. This course relates Afro-American writing to its social and cultural conditions. It explores recurring and characteristic themes, techniques, and genres from Slavery to the present. Emphasis is on Blackwriting from the 1930’s to the present day. PREREQ: E 102.

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

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


E 230 WESTERN WORLD LITERATURE (3-0-3)(S). Survey of the development of Western literature as it has developed during the last four centuries. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of skepticism and rebellion. PREREQ: E 102.

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

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

Upper Division

E 301 TEACHING ENGLISH COMPOSITION (3-0-3)(F/S). Methods and techniques for teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into all the other aspects of the total English program. Limited to teachers, students with a secondary option and a major or minor in English, or consent of the department. PREREQ: Upper Division standing, and 11305, Introduction to Language Studies, or inservice teaching.

E 305 CREATIVEWRITING—ADVANCED POETRY (3-0-3)(F). PREREQ: E 205 or PERM/CHMN based on evaluation of student’s work. May be repeated for nine credit hours.


E 316 TWENTIETH-CENTURY LITERATURE (3-0-3)(S). Twentieth century philosophical and cultural trends are emphasized in the readings. Includes works by Mann, Mauriac, Kafka, Hesse, Grass and Solzhenitsyn, which examine the relationship of the literature to the socio-economic and political conditions of the times. Works of Goethe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky and Tolstoy are included. PREREQ: E 102 or PERM/CHMN. Alternate years. Offered 1986/1987.

E 338 WESTERN WORLD LITERATURE (3-0-3)(S). An introduction to sixteenth-century and later European literature. Includes works by Dante, Cervantes, Shakespeare, Balzac, Dostoevsky, Balzac, and Flaubert, who flourished in the first 50 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits literature or PERM/CHMN. Alternate years. Offered 1985/1986.


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

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

E 347 BRITISH BRITISH LITERATURE AND PROSE (3-0-3)(S). A study of the Western literary tradition as it has developed during the last four centuries. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of skepticism and rebellion. PREREQ: E 102.

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 350 SEVENTEENTH CENTURY LITERATURE AND PROSE (3-0-3)(S). The works of English authors such as Francis Bacon, Ben Jonson, John Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 50 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits literature or PERM/CHMN. Alternate years. Offered 1986/1987.


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

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

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

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

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

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

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

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


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

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

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

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

E 391 HISTORY OF LITERARY CRITICISM (3-0-3)(F). A survey of critical approaches to literature from Plato to the twentieth century. PREREQ: A literature survey or PERM/CHMN.

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

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

E 487G MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F/S). A study of the radical changes Eliot, Pound, Yeats, and others made in poetry's traditional aesthetic and thematic concerns early in this century. The course traces poetry's continuing metamorphosis into the present day. PREREQ: Three credits literature or PERM/CHMN.

E 488G METHODS AND THEORIES OF LITERARY CRITICISM (3-0-3)(S). A detailed study and application of major critical methods and theories. PREREQ: E 393 or PERM/CHMN.

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

HU HUMANITIES

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

LI LINGUISTICS

LI 304 INTRODUCTION TO LANGUAGE STUDIES (3-0-3)(F). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, and communication theory, with emphasis on sound, word, sentence formation in English. PREREQ: E 102 or PERM/CHMN.

LI 307 APPLIED ENGLISH LINGUISTICS (3-0-3)(S). Application of linguistic theory and concepts to the teaching of English grammar and composition. Analysis of specific problems of structure encountered in instruction. Examination of texts and materials, reports on pertinent articles in professional journals and demonstrations. For teachers or prospective teachers of secondary schools. PREREQ: LI 305 or PERM/CHMN.

LI 308 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(S). A study of the periods on the development of English; Indo-European and Germanic backgrounds; development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. PREREQ: LI 305 or PERM/CHMN.

LI 403 MODERN ENGLISH STRUCTURE (3-0-3)(F/S). An approach to modern English grammar based on linguistic principles; will cover word formation and sentence structure including transformational, structural, and newly developing theories of grammar. PREREQ: LI 305 or PERM/CHMN. Alternate years. Offered 1985/86.

LI 407 APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(S). Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand to deal with the process of learning English. It will focus on identifying, defining, and remedying the specific problems that confront learners of a second language. PREREQ: LI 305 Alternate years. Offered 1985/86.

Department of Geology/Geophysics

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

Chairman, Professor: Claude Spinosa; Professors: Hollenbaugh, 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 provides five degree programs: 1) Bachelor of Science in Geology, 2) Bachelor of Science in Geophysics, 3) Bachelor of Science in Earth Science Education, 4) Master of Science in Education, Earth Science emphasis, and 5) Master of Science in Geology, offered in cooperation with the Geology Depart
ment at Idaho State University. Nondegree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Sciences Secondary Education Degree Program offered in the Departments of Economics, History, Political Science, and Sociology, Anthropology and Criminal Justice Administration.

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

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

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

For details regarding the Master of Science in Geology offered in cooperation with the Geology Department at Idaho State University, refer to the Graduate Programs section of this Catalog.

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

**Degree Requirements**

**GEOLOGY MAJOR**
Bachelor of Science Degree 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology and Geophysics I</td>
<td>53</td>
</tr>
<tr>
<td>Physical Geology GO 101</td>
<td>4</td>
</tr>
<tr>
<td>Historical Geology GO 103</td>
<td>4</td>
</tr>
<tr>
<td>Mineralogy GO 221</td>
<td>3</td>
</tr>
<tr>
<td>Field Geology GO 280</td>
<td>3</td>
</tr>
<tr>
<td>Igneous &amp; Metamorphic Petrology GO 323</td>
<td>3</td>
</tr>
<tr>
<td>Sedimentation &amp; Stratigraphy GO 310</td>
<td>4</td>
</tr>
<tr>
<td>Geomorphology GO 313</td>
<td>3</td>
</tr>
<tr>
<td>Structural Geology GO 314</td>
<td>4</td>
</tr>
<tr>
<td>Invertebrate Paleontology GO 351</td>
<td>3</td>
</tr>
<tr>
<td>Geophysics GP 300 or GP 301</td>
<td>3</td>
</tr>
<tr>
<td>Summer Field Camp GO 482</td>
<td>4</td>
</tr>
<tr>
<td>Summer Field Camp Report GO 483</td>
<td>2</td>
</tr>
<tr>
<td>Senior Seminar GO 498 or 499</td>
<td>1</td>
</tr>
<tr>
<td>Geology Electives</td>
<td>11</td>
</tr>
<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
<td>9</td>
</tr>
<tr>
<td>Physics</td>
<td></td>
</tr>
<tr>
<td>Option I: (Recommended for students planning graduate studies)</td>
<td></td>
</tr>
<tr>
<td>Physics I, II, and Lab PH 220, 221, 223</td>
<td>7</td>
</tr>
<tr>
<td>Mathematics M 204-205* or M 211-212</td>
<td>8</td>
</tr>
<tr>
<td>(Mathematics through M 206 is recommended for students planning graduate studies.)</td>
<td></td>
</tr>
<tr>
<td>Statistics course may be substituted for M 285.</td>
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</tr>
<tr>
<td>Cartography GG 220 or Surveying EN 215</td>
<td>3-2</td>
</tr>
</tbody>
</table>

Free Electives ........................................... 15-18

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

1. General University and Baccalaureate Degree Requirements.

2. Major Requirements:

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Geology</td>
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<tr>
<td>Physical Geology</td>
<td>4</td>
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<tr>
<td>Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Ocean Geology</td>
<td>3</td>
</tr>
<tr>
<td>Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>Geology electives to total 30 credits</td>
<td>18</td>
</tr>
<tr>
<td>College Chemistry</td>
<td>9</td>
</tr>
<tr>
<td>General Physics or General Biology</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics through M-204</td>
<td>10</td>
</tr>
<tr>
<td>Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>6-8</td>
</tr>
<tr>
<td>Recommended electives: Geography, Communication, Foreign Language, Mathematics, Life Science, Field Geology, Mineralogy</td>
<td></td>
</tr>
</tbody>
</table>

3. Teaching Certification The following are required for Secondary Teaching Certification in Idaho:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Methods</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Student Teaching</td>
<td>8-16</td>
</tr>
<tr>
<td>Educating the Exceptional Secondary Teacher</td>
<td>3</td>
</tr>
<tr>
<td>Reading in Content Subject TE 307</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Methods TE 384</td>
<td>3</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geophysics</td>
<td>21</td>
</tr>
<tr>
<td>Grav-Mag Methods (GP 310)</td>
<td>3</td>
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<tr>
<td>Electrical Methods (GP 320)</td>
<td>3</td>
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<tr>
<td>Seismic Methods (GP 330)</td>
<td>3</td>
</tr>
<tr>
<td>Geophysics Field Camp (GP 340)</td>
<td>6</td>
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<tr>
<td>Exploration Well Logging (GP 410)</td>
<td>3</td>
</tr>
<tr>
<td>Geophysical App. of Dig. Sig. Proc. (GP 420)</td>
<td>3</td>
</tr>
<tr>
<td>Geology</td>
<td>26</td>
</tr>
<tr>
<td>Physical Geology (GO 101)</td>
<td>4</td>
</tr>
<tr>
<td>Historical Geology (GO 103)</td>
<td>4</td>
</tr>
<tr>
<td>Mineralogy (GO 221)</td>
<td>3</td>
</tr>
<tr>
<td>Field Geology (GO 280)</td>
<td>3</td>
</tr>
<tr>
<td>Igneous and Metamorphic Petrology (GO 323)</td>
<td>3</td>
</tr>
<tr>
<td>Sedimentation and Stratigraphy (GO 310)</td>
<td>4</td>
</tr>
<tr>
<td>Structural Geology (GO 314)</td>
<td>4</td>
</tr>
<tr>
<td>Geology Electives</td>
<td>11</td>
</tr>
<tr>
<td>College Chemistry I (C 131)</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry Lab (C 132)</td>
<td>3</td>
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<tr>
<td>College Chemistry II (C 133)</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry III (C 134)</td>
<td>3</td>
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</table>

TOTAL 24-32

**CHEMISTRY MAJOR**
Bachelor of Science Degree Requirements

1. General University and BS Degree Requirements

2. Major Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Physics I—Mechanics (PH 220)</td>
<td>3</td>
</tr>
<tr>
<td>Physics II—Waves &amp; Heat (PH 221)</td>
<td>3</td>
</tr>
<tr>
<td>Physics II—Lab (PH 223)</td>
<td>1</td>
</tr>
<tr>
<td>Physics III—Elect and Mag (PH 222)</td>
<td>3</td>
</tr>
<tr>
<td>Physics III—Lab (PH 224)</td>
<td>1</td>
</tr>
<tr>
<td>Electricity and Magnetism (PH 381)</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL 24-32

**MATHEMATICS MAJOR**
Bachelor of Science Degree Requirements

1. General University and BS Degree Requirements

2. Major Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics (M 204 or M 205)</td>
<td>4</td>
</tr>
<tr>
<td>Calculus &amp; Analytic Geometry I (M 204)</td>
<td>5</td>
</tr>
<tr>
<td>Calculus &amp; Analytic Geometry II (M 205)</td>
<td>4</td>
</tr>
<tr>
<td>Calculus &amp; Analytic Geometry III (M 206)</td>
<td>2</td>
</tr>
</tbody>
</table>

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

**GEOLOGY MAJOR**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>English Composition E 101, and 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physical Geology GO 101</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Historical Geology GO 103</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>Algebra and Trigonometry M 111</td>
<td>5</td>
<td>-</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 204</td>
<td>16</td>
<td>17</td>
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</table>

<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartography GO 220 or alternate</td>
</tr>
<tr>
<td>Mineralogy GO 221</td>
</tr>
<tr>
<td>Ig. &amp; Met. Petrology GO 323</td>
</tr>
<tr>
<td>Ig. &amp; Met. Petrography GO 324</td>
</tr>
<tr>
<td>Field Geology GO 280</td>
</tr>
<tr>
<td>Physics PH 220 and PH 221, PH 223</td>
</tr>
<tr>
<td>Calculus &amp; Analytic Geometry M 205 or alternate (see required program)</td>
</tr>
<tr>
<td>Area I &amp; II Electives</td>
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<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
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</thead>
<tbody>
<tr>
<td>Structural Geology GO 314</td>
</tr>
<tr>
<td>Sedimentation &amp; Stratigraphy GO 310</td>
</tr>
<tr>
<td>Geomorphology GO 313</td>
</tr>
<tr>
<td>Geophysics GP 300 or GP 301</td>
</tr>
<tr>
<td>Electives Area I &amp; II</td>
</tr>
<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
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</table>

<table>
<thead>
<tr>
<th>SUMMER OF JUNIOR YEAR</th>
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<tbody>
<tr>
<td>Summer Field Camp GO 482-483</td>
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<table>
<thead>
<tr>
<th>SENIOR YEAR</th>
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</thead>
<tbody>
<tr>
<td>Senior Seminar GO 498 or 499</td>
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<tr>
<td>Upper Division Geology &amp; Geophysics Electives</td>
</tr>
<tr>
<td>Area I and II Electives</td>
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<tr>
<td>Free Electives at least 3 cr of upper division</td>
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<tr>
<td>Invertebrate Paleontology GO 351</td>
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**EARTH SCIENCE EDUCATION MAJOR**

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<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Physical Geology</td>
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<td>Historical Geology</td>
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<td>Mathematics</td>
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</tr>
<tr>
<td>College Chemistry</td>
<td>4</td>
<td>5</td>
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<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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</thead>
<tbody>
<tr>
<td>Foundations of Education</td>
</tr>
<tr>
<td>Geography</td>
</tr>
<tr>
<td>General Physics or General Biology</td>
</tr>
<tr>
<td>Intro to Ocean Geology</td>
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<tr>
<td>Meteorology</td>
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<tr>
<td>General Psychology</td>
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<tr>
<td>Degree Requirements</td>
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<tr>
<td>Astronomy</td>
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<thead>
<tr>
<th>JUNIOR YEAR</th>
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</thead>
<tbody>
<tr>
<td>Upper Division Geology</td>
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<tr>
<td>Degree Requirements</td>
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<td>Upper Division Electives</td>
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<th>SENIOR YEAR</th>
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<tbody>
<tr>
<td>Educational Psychology</td>
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<tr>
<td>Upper Division Geology</td>
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<tr>
<td>Seminar</td>
</tr>
<tr>
<td>Secondary School Methods</td>
</tr>
<tr>
<td>Student Teaching</td>
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<tr>
<td>Education Requirements</td>
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<tr>
<td>Education Requirements</td>
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**GEOPHYSICS MAJOR**

<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-E 102</td>
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<tr>
<td>Physical Geology GO 101</td>
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<tr>
<td>Historical Geology GO 103</td>
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<tr>
<td>College Chemistry I C 131</td>
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<tr>
<td>College Chemistry Lab C 132</td>
<td>1</td>
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<tr>
<td>College Chemistry II C 133</td>
<td>-</td>
<td>3</td>
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<tr>
<td>Calculus &amp; Anal. Geometry M 204</td>
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</tr>
<tr>
<td>Digital Computer Programming EN 104 or CS 124</td>
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<td>Area I</td>
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<tr>
<td>Elective</td>
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<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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</thead>
<tbody>
<tr>
<td>Mineralogy GO 221</td>
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<tr>
<td>Field Geology GO 280</td>
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<tr>
<td>Calculus &amp; Anal. Geometry II M 205</td>
</tr>
<tr>
<td>Physics I-Mechanics PH 220</td>
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<tr>
<td>Igneous &amp; Met. Petrology GO 323</td>
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<td>Igneous &amp; Met. Petrography GO 324</td>
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<tr>
<td>Calculus &amp; Anal. Geometry III M 206</td>
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<tr>
<td>Physics II-Waves &amp; Heat PH 221</td>
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<td>Physics II Lab PH 223</td>
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<td>Area I &amp; II</td>
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<tr>
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<tbody>
<tr>
<td>Differential Equations M 331</td>
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<tr>
<td>Physics III-Elec &amp; Mag PH 222</td>
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<td>Physics III Lab PH 224</td>
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<tr>
<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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| Course Offerings |

**GO GEOLOGY**

**Lower Division**

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

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

GO 103 HISTORICAL GEOLOGY (3-3-4)(Area III) (Field trip required). A study of the origin and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil studies 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). 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 specimen 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 nonmajors. Evolution, taxonomy and description of important fossil groups stressed. Laboratories to study small collections and simple museum specimens. Term paper or project.

GO 280 FIELD GEOLOGY (1-6-3)(F)(Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereopair air photos, structures and slope and plane-table alidade for mapping. A detailed geologic map of the area will be made and interpreted. A course in geology or geophysics is recommended. 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, deposition, facies and environments, and correlation techniques. PREREQ: GO 103, GO 323.

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

GO 314 STRUCTURAL GEOL OGY (3-3-4)(S). Field trips required. Fundamentals of descriptive, kinematic, and dynamic analysis 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 characteristics on their origin, occurrences and associations. The classification schemes of these rocks and their tectonic affinities. PREREQ: GO 221, GO 232, COREQ: GO 324.

GO 324 IGNEOUS AND METAMORPHIC P E TROGRAPHY (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 microstructure, textures, fabrics, and alteration. PREREQ: GO 232 CoreQ: GO 323.

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

GO 403G ENGINEERING GEOLOGY (2-3-3)(S). Field trip required. Introduction to soil and rock mechanics, slope stability analysis, subsurface exploration of adits. 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 412G HYDROGEOLOGY (2-0-3)(F)(Field trip required). The study of subsurface water, encompassing the interrelationships of geologic materials and processes. Emphasis upon the role of groundwater in the hydrologic cycle, flow through methods of determination of aquifer characteristics and performance, and groundwater modeling. PREREQ: GO 310, 314.

GO 421 ORE DEPOSITS (2-3-3)(Field trips required). Genesis, structure, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration, and secondary enrichment, controls of ore occurrence and the economics of exploration, development, and use of ores. 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 (2-3-3)(Field trip)(Odd years). A study of the geology of hydrocarbons, the geologic conditions that determine their occurrence, and the economics of exploration, development, and use of petroleum. Laboratory work consists of detailed studies of oil and gas fields. Transmitted and reflected-light microscopy will be used to supplement hand specimen study.

GO 460G VOLCANOLOGY (2-0-2)(F)(Field trip)(Odd years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas and of the types of volcanic vents and the structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcanotectonic 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 471G 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)(S). 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 photograph and topographic base. Student must 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 (Bachelors of Science at BSU) must take: COREQ: GO 483.

GO 483 GEOLOGY SUMMER FIELD CAMP REPORT (0-0-2S). 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 (4-6 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Problem must be well-stated and method of study designed to give a conclusive result. Project may be substituted for GO 480 upon approval by a committee of three department faculty members of a written proposal. PREREQ: Senior Standing.

GO 498, 499, GEOLOGY SEMINAR (1-0-1). Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. PREREQ: Geology major or Earth Science Education major.

GG GEOGRAPHY

Lower Division

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.
College of Arts and Sciences

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

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

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

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

GG 231 GEOGRAPHY OF CANADA AND LATIN AMERICA (3-0-3)(F/S). A study of the natural and cultural geographies of Canada and Latin America with emphasis on the resources, environments, peoples and potential of each region. PREREQ: GC 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 relationships and changes within the regions. Topics include the various landscapes, flora and fauna, peoples and problems. PREREQ: GC 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: GC 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: GC 101, or PERM/INST.

GG 321 CONSERVATION OF NATURAL RESOURCES (3-0-3)(F/S). An 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: GC 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, GC 101.

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


GP 340g GEOPHYSICS FIELD CAMP (4 wks-6 cr)(SU). Fundamentals of geologic mapping, Hands-on operation of seismic, magnetic, gravimetric and electrical field instrumentation. Survey design, Reduction and interpretation of acquired data. Preparation of appropriate reports. PREREQ: GC 310, 320, 330.

GP 410G EXPLORATION WELL LOGGING (3-3-3)(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. Integration of well logging, seismic reflection data, and surface geology. PREREQ or CoreQ: GO 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 MODELS IN GEOPHYSICS (3-0-3)(S). Introduction to 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 426, CS 426.

GS GENERAL SCIENCE


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, Hughes, Juola, Lamet, Maloof, Mech, Sulane, Takeda, Ward, Young; Associate Professors: Ferguson, Griffin, Haustrath, 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
- 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 Requirement 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 35B 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 major, in the section for the Department of Teacher Education.

Suggested Programs

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 requirements
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
Data Base Applications IS 405
Systems Analysis and Design IS 420
Software Design IS 430

MATHEMATICS, SECONDARY EDUCATION

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

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I have forgotten how to add, subtract, multiply, and divide using whole numbers, fractions, decimals, percents and signed numbers. Applications include measures of weight, area, and volume.

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). Assembler language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, homemade 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, multiprocessor, extensibility. PREREQ: CS 226 or PERM/INST.

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

CS 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 Fortran, 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). A review course for those who have forgotten how to add, subtract, multiply, and divide using whole numbers, fractions, decimals, percents and signed numbers. Applications include measures of weight, area, and volume.

M 020 ALGEBRA REVIEW (3-0-0). A refresher course for students in education, engineering, science, or business. Algebra is covered from fundamental operations through the level required for M 103, 105, 106, 108 or 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). Pre-calculus treatment of probability and statistics. Emphasis on concepts and applications rather than on proofs. Use of available computer statistics packages to handle computations. PREREQ: M 108 or M 111.

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


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

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

M 225 INTERMEDIATE APPLIED PROGRAMMING (2-6-2). 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). Primality, 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 space, 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' Theorem, and the Divergence Theorem. PREREQ: M 206 or 212.
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 de Neufville
- Dr. & Mrs. Arthur C. Jones
- Bryant S. Martineau
- Mr. & Mrs. Edward Utley
- William K. Dunkley Family

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

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

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

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

Degree Requirements

BACHELOR OF MUSIC PROGRAM

1. General Requirements
   a. All full-time students will be required to attend Concert Class during each semester of residency at Boise State University (see course description for MA 010 for complete details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA 444, 445 or 446 recitals are exempt from faculty jury during the semester in which the recital is given.
   b. All Bachelor of Music majors whose major instrument is other than keyboard are required to pass, no later than the end of the junior year, one of the levels in the Piano Proficiency Examina-
College of Arts and Sciences

3. Theory-Composition Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree

b. Music Requirements:
   (1) Music Core ........................................ 35-37
   (2) Performance Studies ............................. 20
   (3) Additional Upper Division Courses .......... 2
   (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) Additional Lower Division Courses ...
                (4) Additional Upper Division Courses ...

4. Music Education Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree

b. Music Requirements:
   (1) Music Core ........................................ 35-37
   (2) Major Instrument Performance Studies .... 14
   (3) Additional Lower Division Courses ...
   (4) Additional Upper Division Courses ...

5. Education College Requirements

General Psychology P 101(Area II) ...
Education Psychology P 325 ...
Foundations of Education TE 201(Area II) ...
Secondary School Methods TE 381 ...
Educating Exceptional Second Stu TE 333 ...
Secondary Student Teaching TE 482 ...
Reading in Content Subjects TE 307 ...
c. Electives

Credits .................................................. 9-14
Recommended Music Electives:
Functional Piano MU 213 ...
Teaching Music in the Elementary Classroom MU 372 ...
(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:

   Performance Studies .................................. 8
   Materials of Music I-IV MU 119,120,219,220 .... 14
   Ear Training I-IV MU 121,122,221,222 ........ 4
   Survey of Music History and Literature Courses ...
   Ensemble .............................................. 4
   Concert Class MA 010 each semester ........ .... 0
   Performance, Theory, Music Education, Music History
   Electives (to support Senior Recital** or Senior Project**) .... 10
   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 History, Literature, 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:
   CM 111 Fundamentals of Speech Communication .... 3

2. Area II: At least one course in Mathematics selected from the following:
   M 100 Cultural Approach to Math, or
   M 105,106 Math for Business Decisions ........ 4-8

3. Minimum Music Requirements
   Total credits .......................................... 45
   MA 010 Concert Class (each semester) .......... 0
   MC-Performance Studies ............................ 8

58
ME—Ensemble .................................................. 4
MU 119-120 Materials of Music I-II ............................. 8
MU 121-122 Ear Training ........................................ 2
MU 341,342,343,344 History & Lit of Music .................. 10
*Senior Project .................................................. 3
Music Electives (upper division) ................................ 10

4. Business courses (a maximum of 33 credits in Business courses allowed in this option)

   (24-33)

5. Required Courses:
GB 101 Introduction to Business .................................. 3
MM 101 Salesmanship** ......................................... 3
MM 105 Elements of Management** ............................. 3
MM 203 Principles of Advertising ............................... 3
AC 205 Introduction to Managerial Accounting ................. 3
AC 206 Introduction to Managerial Accounting ................. 3
GB 202 Legal Environment of Business ......................... 3
IS 210 Introduction to Information Sciences .................... 3

6. Additional courses-electives (up to 9 credits may be chosen from the following):
EC 201 Principles of Economics-Macro .......................... 3
EC 202 Principles of Economics-Micro .......................... 3
AS 309 Records Preparation** ................................... 3
AS 317 Office Management** .................................... 3
MK 301 Principles of Marketing** ............................... 3
MK 307 Consumer Behavior** .................................... 3

*An Independent Study terminal project under faculty supervision with the approval of the Music Department Chairman.
**To enroll in these courses special arrangements are necessary with the chairman of the Department of Marketing and Administrative Services.

Music Minor: The Music Department will recognize as a minor in Music (in conjunction with a major in a non-Music area) a minimum of 20 hours of Music credits completed. Emphasis is possible in 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

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

SENIOR YEAR
Music History III, IV MU 343, 344 ................................ 3 3
Concert Class MA 010 ............................................... 0 0
Counterpoint MU 423 or 424 ...................................... 3 0
Advanced Form and Analysis ....................................... - 3
Major Ensemble* ME 3 ............................................. 1 1
Inst or Choral Conducting + MU 365 or 366 ................. 1 or 1
Performance Major MC 44 ......................................... 4 4
Senior Recital MA 446 .............................................. 2 or 2
Keyboard Harmony* MU 313-314—Electives** ................. 4-6 3-5

18-20 17-19

**Piano majors must include 2 credits of Accompanying ME 180, 380. Guitar majors must include 2 credits of Guitar Ensemble ME 162,167.

*Not required of Piano, Voice or Guitar majors.

THEORY COMPOSITION MAJORS

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

18-20 16 16

SOPHOMORE YEAR

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

17 17

JUNIOR YEAR

Concert Class MA 010 ............................................... 0 0
Music Composition MA 410 ....................................... 2 2
Major Performance Studies MC 3-2 ................................ 2 2
Major Ensemble ME 3 ............................................. 1 1
Band Arranging MU 455 ........................................... 2 2
Counterpoint MU 423 or 424 ..................................... 3 3
Basic Conducting MU 261 ......................................... 1 1
Advanced Form and Analysis MU 410 ......................... - 1
Music History III, IV MU 343, 344 ............................ 3 3
Keyboard Harmony* MU 313-314—Electives** ................. 4 5

18 14

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

MUSIC EDUCATION EMPHASIS MAJORS

FRESHMAN YEAR

English Composition E 101-102 .................................. 3 3
General Psychology P 101 (Area II) ............................ 3 3
History Elective ................................................... 3 3
Area I Electives ................................................... 3 3
Concert Class MA 010 ............................................... 0 0
Materials of Music I, II MU 119-120 ............................ 4 4
Ear Training I, II MU 121-122 .................................... 1 1
Major Ensemble ME 1-2 ......................................... 1 1

15 15
SOPHOMORE YEAR
Area I Literature ........................................... 3
Foundations of Education TE 201/Area II) ................. 3
Concert Class MA 010 ........................................ 0
Materials of Music III, IV MU 319-220 .................. 3
Ear Training III, IV MU 221-222 .......................... 1
Inst. Tech. & Meth. MU 257, 266 ......................... 2
Orientation to Music Educ. MU 271 ..................... 1
Functional Piano MU 213 (elective) ..................... 2
Vocal Techniques MU 256 ............................... 2
Music History I, II MU 341-342 .......................... 1
Major Ensemble ME 1-1 .................................. 2
Performance Studies MC 2-2 ............................. 2

17 17

JUNIOR YEAR
Foreign Language or Area III ........................... 4 4
Concert Class MA 010 ........................................ 0 0
Inst. Tech. & Meth. MU 368, 369 ..................... 2 2
Band and Orch. Meth. MU 387 ......................... 2
Choral Methods MU 385 ................................ 2
Choral Conducting MU 365 ............................. 1
Instrumental Conducting MU 366 ..................... 1
Music History III, IV MU 343,344 ...................... 3 3
Major Ensemble ME 3-1 .................................. 1
Performance Studies MC 3-2 ........................... 2
Electives .................................................. 1
Educational Psychology P 325 ........................ 3
18 16

SENIOR YEAR
Secondary School Methods TE 381 ....................... 3
Concert Class MA 010 ........................................ 0
Performance Studies MC 3-2 ........................... 2
Senior Recital MA 444 ..................................... 1
Major Ensemble ME 3-1 .................................. 1
Band Arranging MU 455 ................................. 2
Elementary Music Meth MU 372 ..................... 1
Educating Exceptional Students MU 333 .......... 1
Reading in the Content Subjects TE 307 .......... 3
Student Teaching TE 482, 483 ......................... 8-16
Electives .................................................. 3
15 11-19

Course Offerings
MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

Lower Division
MA 010 CONCERT CLASS (0-1-0)F/S. Student, guest and/or faculty performances. Minimum attendance per semester: 10 for music majors, 4 for minors; plus attendance at a minimum of 5 Music Department sponsored concerts/recitals. Participation in the concert/recital does not equal attendance for meeting this requirement.

MA 107 RECORDER CLASS (1-2-1)F/S. The class is designed to improve the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The class will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or PERM/INST.

MA 327 ADVANCED GUITAR CLASS (0-3-2)F/S. Study of music and technical problems in solo guitar playing; chord construction and progression, analysis of intervals, functional harmonic relationships, principals of guitar transcriptions, introduction of improvisation. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

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

MA 128 INTERMEDIATE GUITAR CLASS (0-2-1)F/S. Continuation of MA 127. Emphasis on understanding fret-board theory, reading music notation for guitar, solo playing. Concept of form levels as it relates to upper position work. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 127 or PERM/INST.

MA 150 PIANO CLASS (0-1-1)F/S. Each semester. Maximum 2 credits allowed.

MA 180 VOICE CLASS (0-1-1)F/S. Each semester. Maximum 2 credits allowed.

Upper Division
MA 197 RECORDER CLASS (1-0-1)F/S. The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the
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 6 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 6 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, bebop, 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 6 CR.

ME 140-340 PERCUSSION ENSEMBLE (0-2-1)/F/S. A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. Maximum credits: ME 140 and/or ME 340 8 CR. PREREQ: PERM/INST.

ME 141, 341 KEYBOARD PERCUSSION ENSEMBLE (0-2-1)/F/S. In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music, and/or arrange or adapt existing music for the ensemble. Maximum credits: ME 141 and/or 341 8 credits.

ME 150, 350 ORCHESTRA (0-5-1)/F/S. The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for non-music majors. Audition is required for 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 ME 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 ME 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 ME 385 8 CR. PREREQ: PERM/INST.
College of Arts and Sciences

MU 271 ORIENTATION TO MUSIC EDUCATION (1-1-1)(F/S). A look at school music programs to include all levels: primary through secondary programs. Lab period devoted to visitation in public schools.

Upper Division

MU 313-314 KEYBOARD HARMONY AND BASIC IMPROVISATION (2-0-2)(F/S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. PREREQ: MU 120-122 and 1-2 years piano study.

MU 331 AMERICAN MUSICAL THEATRE (3-0-3)(F). An historical overview will be presented along with a look at behind-the-scenes work necessary in the presentation of musical theatre productions. Includes in-depth look at all the responsibilities of the entire production crew, from promotion and box office to stage crews, and from make-up crews to cast.

MU 332 MUSICAL THEATRE PRODUCTIONS (0-10-4)(F). Specific apprenticeships in the operations of actual musical theatre productions will be given to gain experience in the practical application of knowledge learned in MU 331. Graded pass/fail. May be repeated two times for credit. PREREQ: MU 331, PERM/INST.

MU 341 HISTORY AND LITERATURE OF MUSIC I (2-0-2)(F/S). The analysis of the development of Western music from its beginnings in early Christian times through the early 1600's. Consideration of music from these periods as artistic entities, their relationships to their contemporary societies, and as foundations for subsequent expression. PREREQ: MU 119 and 120 or PERM/INST.

MU 342 HISTORY AND LITERATURE OF MUSIC II (2-0-2)(F/S). Encompasses the period from the Florentine Camerata through the High Baroque, the Rococo, and pre-classic composers. Attention to the evolution of musical forms through score reading, analysis, and discussion. PREREQ: MU 119 and 120, or PERM/INST.

MU 343 HISTORY AND LITERATURE OF MUSIC III (3-0-3)(F/S). Works of Haydn, Mozart, and their contemporaries through the Romantic period to Liszt, Wagner, and Puccini will be considered and analyzed as vehicles of individual expression and as steps to greater variedness of musical expression. Their relationship to works in parallel movements in literature and other arts will be considered. PREREQ: MU 119 and 120 or PERM/INST.

MU 344 HISTORY AND LITERATURE OF MUSIC IV (3-0-3). Analysis of styles and characteristics of Western music from the last decades of the previous century to today's avant garde and electronic music. PREREQ: MU 119 and 120 or PERM/INST.

MU 356 CHORAL CONDUCTING (0-2-1)(F). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. PREREQ: MU 261 or PERM/INST.

MU 365 INSTRUMENTAL CONDUCTING (0-2-1)(S). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. PREREQ: MU 261.

MU 366 PERCUSSION TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic performing techniques.

MU 369 BRASS TECHNIQUES AND METHODS (1-2-2)(F/S). Primarily for music education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments.

MU 370 GUITAR FOR CLASSROOM TEACHERS (2-0-2)(F/S). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on accompaniment skills, elementary chord theory, melody playing, proper hand position and notation reading. Musical material is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit.

MU 371 MUSIC METHODS FOR THE ELEMENTARY SCHOOL TEACHER (2-0-2). Materials, methods and problems relating to classroom music in grades K through six. PREREQ: Music Fundamentals MU 101 or equivalent.

MU 372 TEACHING MUSIC IN THE ELEMENTARY CLASSROOM (2-1-2)(F). For music majors. Includes special methods, materials and teaching techniques for the elementary classroom music program. PREREQ: MU 271.

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

MU 387 BAND AND ORCHESTRA METHODS AND MATERIALS (1-2-2)(F/S). The study of the organization and administration of bands and orchestras at the secondary school level; including equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 410 ADVANCED FORM AND ANALYSIS (3-0-3)(S). Analysis of harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 220 or PERM/INST.

MU 423 G SIXTEENTH CENTURY COUNTERPOINT (3-0-3)(F). Study of 16th century compositional techniques. Compositions will be written in 2 to 4 voices, 5 species, C clefs and Latin texts. Analysis/listening of music of the period. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Odd numbered years.

MU 424 COUNTERPOINT SINCE 1600 (3-0-3)(F). Study and writing in contrapuntal styles from Baroque Period to present day. Invertible counterpoint, canon, fugue, invention, analysis of procedures in representative works. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Even numbered years.


MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR) (2-0-2)(F/S). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Section 1 piano literature, Section 2 guitar literature. Section 3 vocal literature. PREREQ: Upper Division standing in performance.


MU 464 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) II (2-0-2)(S). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening and discussion involving pedagogical techniques. PREREQ: MU 463 Pedagogy I. Alternate years with MU 457.

MU 498 MUSIC SEMINAR (2-0-2)(F). 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, Haefner; 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 to 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.
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

<table>
<thead>
<tr>
<th>Liberal Arts Option</th>
<th>1. General University and BA Degree Requirements</th>
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<td>A. Physics</td>
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<td>Physics I, II, III, PH 220, 221, 222</td>
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<td>Physics Lab I,II, PH 223, 224</td>
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<td>Intermediate Applied Programming PH 225</td>
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<td>Electronics Lab PH 304</td>
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<td>Transducers, PH 304</td>
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<td>Lab Microprocessor Applications PH 307</td>
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<td>Modern Physics PH 311, 312</td>
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<td>Optics PH 331</td>
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<td>Mechanics PH 341</td>
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<td>Electricity &amp; Magnetism PH 381, 382</td>
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<td>Advanced Topics PH 422</td>
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<td>Senior Lab PH 481</td>
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<tr>
<td>Seminar PH 499</td>
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</tbody>
</table>

* With consent of advisor and chairman, substitutions can be made for not more than 6 hours of the above from the area of Physics, 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 |    |
| Optics PH 331 | 4 |    |
| Lab Microprocessor App. PH 307 | 3 |    |
| Senior Lab PH 481 | 3 |    |

| B. Engineering | 2 |
| 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 |    |

### Education Requirements

| Foundations of Education | 24-32 |
| Secondary School Methods |    |
| Secondary School Teaching |    |
| Educational Psychology |    |

## Recommended Programs

### ENGINEERING MAJOR

| 1. English Composition E 101-102 | 3 |
| 2. College Chemistry C 131-132-133 | 3 |
| 3. Calculus & Analytic Geometry M 204-205 | 3 |
| 4. Computer Programming EN 107 | 3 |
| 5. Engineering Graphics EN 108 | 2 |
| 6. Physics PH 220 | 3 |
| 7. Physical Education | 1 |

### COMMON FRESHMAN YEAR

| 1. English Composition E 101-102 | 3 |
| 2. College Chemistry C 131-132-133 | 3 |
| 3. Calculus & Analytic Geometry M 204-205 | 3 |
| 4. Computer Programming EN 107 | 3 |
| 5. Engineering Graphics EN 108 | 2 |
| 6. Physics PH 220 | 3 |
| 7. Physical Education | 1 |

### COMMON SOPHOMORE YEAR

| 1. English Composition E 101-102 | 3 |
| 2. College Chemistry C 131-132-133 | 3 |
| 3. Calculus & Analytic Geometry M 204-205 | 3 |
| 4. Computer Programming EN 107 | 3 |
| 5. Engineering Graphics EN 108 | 2 |
| 6. Physics PH 220 | 3 |
| 7. Physical Education | 1 |

### BRANCH VARIATION

#### Agricultural Engineering

- Dynamics of Rigid Bodies EN 206

#### Civil Engineering

- Dynamics of Rigid Bodies EN 206
- Engineering Measurements EN 216
- Elective (see Advisor)

#### Mechanical Engineering

- Dynamics of Rigid Bodies EN 206

#### Chemical Engineering

- Organic Chemistry C 318

#### Principles of Economics EC 201

#### Electrical Engineering

- Engineering Science Elective

### JUNIOR YEAR

- Three junior level Engineering Science courses (EN 301, Fluid Mechanics; EN 305, 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.
College of Arts and Sciences

Engineering Graphics EN 108 .................................. 2
Elective (Area II Social Sci) .................................. 3
Elective (Area I, Arts & Humanities) ......................... 3 3
Calculus and Analytical Geometry M 204 ..................... 5
Engineering Fund and Comp Prog EN 107 ...................... 3
Intro to Management of Construction CO 240 ................. 3

16 17

SOPHOMORE

General Physics PH 101-102 .................................. 4 4
Basic Surveying EN 215 ...................................... 2...
Intro to Financial Accounting AC 205 ......................... 2
Construction Blue Print Commn CO 235 ..................... 2
Materials & Methods of Architecture AR 290 ................. 3
The Legal Environment of Business GB 202 .................. 3
Stat Tech for Decision Making DS 207 ......................... 3
Intro to Managerial Accounting AC 206 ....................... 2
Contracts and Specifications CO 246 ......................... 3
Intro to Mechanics EN 205 .................................. 17 16

JUNIOR

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

1st SEM 2nd SEM
Mechanical Installations CO 351 ................................ 3
Principles of Economics-Macro EC 201 ....................... 3
Principles of Economics-Micro EC 202 ........................ 3
Technical Writing E 202 ..................................... 3
Cost Accounting AC 351 ...................................... 3
Cost Estimating and Bidding CO 370 ........................ 3
Soil Mechanics and Foundation Const CO 330 ............... 3
Principles of Finance FI 303 .................................. 3
Electrical Installations CO 352 ................................. 3

18 18

SENIOR

Construct Operations & Improve CO 374 ...................... 3
Concrete & Formwork Construction CO 410 ................. 3
Fundamentals of Speech Commun CM 111 .................... 3
Labor Relations MG 340 ...................................... 3
Electives (Area I, Arts & Humanities) ......................... 3 3
Project Scheduling & Control CO 417 ......................... 3
Organizational Behavior MG 401 ................................ 3
Electives ................................................................ 2

15 11

1. All Construction Management majors must complete at least 57 credits and have a cumulative grade point average of 2.40 or better before being admitted to any upper division (number 300 and above) business or construction management classes.

2. All construction management classes will be taking several field trips during the semester to be scheduled Monday afternoons.

3. No more than 33 credits may be taken from the College of Business.

PHYSICS MAJOR
Bachelor of Science Degree

1st SEM 2nd SEM
English Composition E 101, 102 .................................. 3 3
College Chemistry C 131,132,133,134 ......................... 4 5
Calculus & Analytic Geometry M 204,205 ..................... 5 4
Digital Computer Programming EN 104 or 107 .................. 2 3
Physics PH 220 .............................................. 3
Area I or II Requirements ...................................... 3

15-16 15

APPLIED PHYSICS

Physics II, III PH 221, 222 .................................... 3 3
Wave Motion & Heat Lab PH 223 ............................... 3
Electricity & Magnetism Lab PH 224 ........................... 3 3
Systems & Circuits I, II EN 221, 223 ......................... 3 4
Calculus & Analytic Geometry M 206 .......................... 4
Differential Equations Math M 331 ............................ 4

16 17

JUNIOR YEAR

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

17 15

SENIOR YEAR

Electricity & Magnetism PH 381,382 .......................... 3 3
Mechanics PH 341 ............................................ 4
Senior Lab PH 481 ............................................ 3
Advanced Topics PH 422 ...................................... 3
Electives ................................................................ 3 4
Area I or II Requirements ...................................... 3 3
Physics Seminar PH 499 ....................................... 1

16 14

Course Offerings

CO CONSTRUCTION MANAGEMENT

Lower Division

CO 235 CONSTRUCTION BLUE PRINT COMMUNICATIONS (2-0-2)(F). The transmission and interpretation of blueprint communications covering different types of drawings, including their organization and format. Emphasizing three-dimensional visualization to make practical applications and determine quantities of work. Learn how to interpret quickly and visualize what is being presented by the drawings. Monday field trips required. PREREQ: EN 108.

CO 240 INTRODUCTION TO THE MANAGEMENT OF CONSTRUCTION (3-0-3)(S). Introduction to construction terminology, industry and management. Includes the planning, staffing, directing and controlling functions with emphasis on organizations and the schools of management. A survey of the basic trades, methods, quantity take-off calculations, estimating, and scheduling. Monday field trips required. PREREQ: M 111 and EN 108.

CO 246 CONTRACTS AND SPECIFICATIONS (3-0-3)(S). Contracts, contract documents and specifications for construction including legal as well as technical implications, claims, change orders and contract administration, emphasizing Owner-Engineer/Architect-Contractor functions and related problems. Monday field trips required. PREREQ: GB 202.

Upper Division


CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)(S). Fundamentals of soil mechanics as it relates to foundation and earthwork construction problems: interaction of water and soil, compaction, bearing capacity, lateral pressures, drainage and waterproofing, spread footings, retaining walls, pile foundations, and special foundation construction problems. PREREQ: M 204 or PERM/INST.

CO 351 MECHANICAL INSTALLATIONS (3-0-3)(F). The fundamentals of mechanical installations and associated construction problems including heat loss and gain, heating, ventilating and air-conditioning, fluid flow in pipes and ducts as well as water supply, sewage, and fire protection installations. Monday field trips required. PREREQ: PH 102 and EN 205.

CO 352 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (3-0-3)(S). The fundamentals of electrical and acoustical installations and associated construction problems including electrical circuits, conduits, conductors, switch gear; other service equipment and electrical transmission. Also included will be lighting and acoustical installations and associated construction problems. Monday field trips required. PREREQ: PH 102 and EN 205.


CO 374 CONSTRUCTION OPERATIONS AND IMPROVEMENTS (3-0-3)(F). Contractor organization, project supervision and motivation. Labor, materials, equipment, safety, time and motion studies, time-lapse photography, methods improvements, crew balance, and flow and process charts. Monday field trips required. PREREQ: DS 207 and CO 370.


## EN ENGINEERING

### Lower Division

**EN 100 ENERGY FOR SOCIETY (3-2-4)(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 subroutines, all applied to problem solving should have completion of the high school course equivalent to or exceeding one of prerequisites. PREREQ: M 106 or 111 or 108.

**EN 107 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(F).** An introduction to engineering including subdivisions and organization of the professions, methods of analysis, computations, and vectors all of which include the use of computer programming. PREREQ: M 111, or equivalent.

**EN 108 ENGINEERING GRAPHICS (2-2-2)(F).** 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 (2-0-2S).** Analysis of forces and the resulting motion as pertains to rigid bodies undergoing rotary and general plane motion. PREREQ: EN 205.

**EN 215 BASIC SURVEYING (1-3-2).** 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 (1-3-2S).** Advanced topics in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurements. PREREQ: EN 215.

**EN 221 SYSTEMS AND CIRCUITS (3-0-3)(F).** The fundamental course in electrical engineering which provides an introduction to electrical circuits and basic network analysis. Topics covered are simple resistive/capacitive and inductive circuits, network theorems and circuit analysis methods. PREREQ: M 204.

**EN 223 SYSTEMS AND CIRCUITS II (3-3-4S).** 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 (3-0-3S).** Physical properties of fluids; fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. PREREQ: EN 206 and EN 205.

**EN 306 MECHANICS OF MATERIALS (3-0-3S).** Elasticity, strength, and modes of failure of engineering materials, theory of stress and strains for columns, beams and shafts. Three class periods per week. PREREQ: M 205 or PERM/INST and EN 205.

**EN 320 THERMODYNAMICS AND HEAT TRANSFER (3-0-3)(F).** First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration, conduction and radiation. PREREQ: M 206 and PH 221.

**EN 382 ENGINEERING ECONOMY (2-0-2).** Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. PREREQ: Junior standing.

## PS PHYSICAL SCIENCE

### Lower Division

**PS 100 FOUNDATIONS OF PHYSICAL SCIENCE (3-2-4)(Area III).** Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one-semester course for non-Science majors.

## Graduate

**PS 501 BASIC PHYSICAL SCIENCE FOR SCIENCE TEACHERS (3-0-3).** An introduction to the basic ideas of Physical Science including matter, energy, motion, electricity, magnetism, wave motion, sound, light, heat, atomic and nuclear physics, and astronomy. Concepts will be discussed and demonstrated with emphasis on methods that can be used in the classroom. Offered when there is sufficient demand.

## PH PHYSICS

### Lower Division

**PH 100 A CULTURAL APPROACH TO PHYSICS (3-3-4).** Designed for liberal arts students. Students should gain an appreciation for the basic ideas in physics and how these ideas have contributed to the development of western culture by their influence on philosophy, religion and technology.

**PH 101-102 GENERAL PHYSICS (3-3-4).** (F/S) (Area III). Mechanics, sound, heat, light, magnetism, an electricity. This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula, and may be taken by pre-graduate and pre-medical students. PREREQ: Algebra and Trigonometry.

**PH 105 INTRODUCTION TO DESCRIPTIVE ASTROLOGY (3-3-4)(Area III).** A study of the heavens, 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 (2-2-3)(F).** 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 109) INTRODUCTION TO COMPUTERS (3-2-4).** The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-Science majors.

**PH 207 INTRODUCTION TO BIOPHYSICS (3-3-4) (S).** A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electronics, heat, optics and lasers. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. PREREQ: M 111 or M 108.

**PH 220 PHYSICS I—MECHANICS (3-1-3)(F/S)(Area III).** Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. PREREQ: M 204. Must be concurrently taken or have taken M 205.


**PH 222 PHYSICS III—ELECTRICITY AND MAGNETISM (3-1-3)(F/S)(Area III).** Coulomb's Law, electric fields, electric potential, magnetic fields, magnetic induction and simple circuits. PREREQ: PH 220. CoreQ: PH 224.

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

**PH 224 (EN 224) ELECTRICITY AND MAGNETISM LAB (0-3-1)(F/S)(Area III).** A lab designed to be taken concurrently with PH 222. Basic experiments in electricity, simple circuit analysis and instrumentation. PREREQ: PH 220. CoreQ: PH 222.

**PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2S).** An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on language and programming topics useful in the discipline of science and engineering problems. Concentration will be on FORTRAN, but other programming languages will also be used. PREREQ: EN 104 or EN 107, CoreQ: M 205 or M 106. Credit cannot be obtained from both PH 225 and M 225.

### Upper Division

**PH 301 ANALOG ELECTRONICS LAB (2-6-4)(F).** An introduction to some of the more common discrete semiconductor devices and analog integrated circuits and their uses in electronic circuits. Included are devices such as diodes, silicon control rectifiers, bipolar transistors, field effect transistors, operational amplifiers and their use in rectifier, amplifier and waveform circuits. PREREQ: PH 224, EN 223.

**PH 304 TRANSDUCERS (1-3-2S).** An introduction to some common devices used to convert energy forms into electrical signals. Included are photomultiplier tubes, photodiodes, phototransistors, linear variable differential transformers, thermocouples, thermometers, piezoelectric and
piezoresistive elements. Signal conditioning for these devices will be covered.
PREREQ: PH 301.

PH 307 LABORATORY MICROPROCESSOR APPLICATIONS (2-3-4)(F/S). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. PREREQ: PH 222 or EN 223 or PERM/INST.

PH 311-312 MODERN PHYSICS (3-0-3)(F-S). A brief introduction to the special relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic, molecular, nuclear, solid state physics and statistical mechanics. PREREQ: PH 221,222, M 331.

PH 331 OPTICS (3-3-4)(F). An upper division course stressing the applied facets of optics such as the use of various optical components for analysis and measurements in the visible region of the electromagnetic spectrum. PREREQ: M 331 and PH 221.

PH 341 MECHANICS (4-0-4)(F). An upper division course which approaches classical mechanics with the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. PREREQ: M 321 and PH 220.


PH 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 (1-6-4)(F). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. PREREQ: PH 312.

PH 482 SENIOR PROJECT (0-6-4)(S). 1 or 2 credits depending on the project. Elective. A sophisticated laboratory project in some area of physics. PREREQ: PH 481.

PH 499 PHYSICS SEMINAR (1-0-1)(S) Individual reports on selected topics. PREREQ: Senior status.

Department of 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

FRESHMAN YEAR

1st SEM 2nd SEM

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

JUNIOR YEAR

1st SEM 2nd SEM

Foreign Language ......................................................... 4 4
*Dramatic Literature ...................................................... 3 3
*World Drama ............................................................. 3 3
E electives, Upper Division ............................................ 6 8

SENIOR YEAR

1st SEM 2nd SEM

*Directing .................................................................. 3 3
*Theatre History .......................................................... 3 3
E lectives, Upper Division ............................................ 6 12
*Contemporary Theatre ................................................ 3 3

SECONDARY EDUCATION EMPHASIS

FRESHMAN YEAR

1st SEM 2nd SEM

English Composition E 101-102 ........................................... 3 3
*Physical Education ..................................................... 1 1
Laboratory Science ..................................................... 4 4
*Introduction to Theatre ................................................ 3 3
*Technical Theatre ...................................................... 4 4
E lectives .................................................................. 7 7

SOPHOMORE YEAR

1st SEM 2nd SEM

Foreign Language ......................................................... 4 4
*World Drama ............................................................. 3 3
E lectives, Upper Division ............................................ 6 8

16 16

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### Course Offerings

**TA THEATRE ARTS**

**Lower Division**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 010</td>
<td>Theatre Symposium (no credit)/F/S</td>
<td></td>
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<tr>
<td>TA 107</td>
<td>Introduction to Theatre (3-0-3/AREA I)</td>
<td>3-0-3</td>
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<tr>
<td>TA 117-118</td>
<td>Technical Theatre (3-4-4)/FS</td>
<td>3-4-4</td>
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<tr>
<td>TA 162</td>
<td>Stage Make-Up (3-0-3/F)</td>
<td>3-0-3</td>
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<tr>
<td>TA 211, 412</td>
<td>Movement and Dance for the Performing Artist (3-0-3)</td>
<td>3-0-3</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>TA 215-216</td>
<td>Acting (1-2-3)</td>
<td>1-2-3</td>
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<tr>
<td>TA 220</td>
<td>Cinema: History and Aesthetics (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 231, 331</td>
<td>Major Production Participation (2-0-1)</td>
<td>2-0-1</td>
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<tr>
<td>TA 233</td>
<td>Stage Voice (3-0-3/FS)</td>
<td>3-0-3</td>
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<tr>
<td>TA 287</td>
<td>Children's Theatre (3-0-3)</td>
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<tr>
<td>TA 288</td>
<td>Touring Children's Theatre (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 311</td>
<td>Advanced Acting (3-0-3/FS)</td>
<td>3-0-3</td>
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<tr>
<td>TA 341</td>
<td>World Drama (500 BC-1642) (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 342</td>
<td>World Drama 1642-1960 (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 351</td>
<td>Advanced Acting (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 352</td>
<td>Costume Design (3-0-3)</td>
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<tr>
<td>TA 401-402</td>
<td>Directing (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 421g-422g</td>
<td>Theatre History (3-0-3/FS)</td>
<td>3-0-3</td>
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<tr>
<td>TA 445</td>
<td>Contemporary Theatre (3-0-3)</td>
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</table>

### Upper Division

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>TA 351</td>
<td>Elements of Scenic Design (3-0-3/F)</td>
<td>3-0-3</td>
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<tr>
<td>TA 352</td>
<td>Costume Design (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 362</td>
<td>Stage Lighting Design (3-0-3)</td>
<td>3-0-3</td>
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<tr>
<td>TA 401-402</td>
<td>Directing (3-0-3)</td>
<td>3-0-3</td>
<td></td>
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<tr>
<td>TA 421g-422g</td>
<td>Theatre History (3-0-3/FS)</td>
<td>3-0-3</td>
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<tr>
<td>TA 445</td>
<td>Contemporary Theatre (3-0-3)</td>
<td>3-0-3</td>
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</table>

**ENGLISH MINOR FOR THEATRE ARTS**

- **SECONDARY EDUCATION OPTION**: See recommended minor listed in this catalog under the English Department heading.

- **LIBERAL ARTS OPTION**: Lower Division Literature: 9 credits

#### Lower Division Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>E 201</td>
<td>Expository Composition</td>
<td>3</td>
</tr>
<tr>
<td>E 205</td>
<td>Creative Writing, Poetry</td>
<td>3</td>
</tr>
<tr>
<td>E 206</td>
<td>Creative Writing, Fiction</td>
<td>3</td>
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</tbody>
</table>

**Upper Division Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 217</td>
<td>World Literature</td>
<td>3</td>
</tr>
<tr>
<td>E 220</td>
<td>Shakespeare: Tragedies</td>
<td>3</td>
</tr>
<tr>
<td>E 221</td>
<td>Shakespeare: Comedies and Romances</td>
<td>3</td>
</tr>
<tr>
<td>E 225</td>
<td>Expository Composition</td>
<td>3</td>
</tr>
<tr>
<td>E 226</td>
<td>Creative Writing, Fiction</td>
<td>3</td>
</tr>
<tr>
<td>E 227</td>
<td>Creative Writing, Poetry</td>
<td>3</td>
</tr>
</tbody>
</table>
School of Social Sciences and Public Affairs
Dean: Robert C. Sims, Ph.D.
Telephone (208) 385-3776
School of Social Sciences and Public Affairs Emeriti:
Sylvester, Warwick

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.

Department of Communication
Communication Building, Room 100 Telephone (208) 385-3320
Chairman and Professor: Robert R. Boren; Professors: Cox, Parker; Associate Professors: McCorkle, McCluskie, Pitman, Rayborn, Scanlon; Assistant Professors: Craner, Rudd, Traynowicz.

Degrees Offered
- BA, Communication
- BA, Communication and English Combination, Journalism emphasis
- BA, Communication and English Combination, Communication emphasis
- BA, Communication, Interpersonal Communication emphasis
- BA, Communication, Mass Communication emphasis
- BA, Communication, Journalism Communication emphasis
- BA, Communication, Secondary Education

Department Statement
The Department of Communication is a rapidly growing department (the number of majors has increased 61% since 1978) which may reflect
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, 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
   - Communication Laboratory CM 116, 216 3
   - Interpersonal Communication CM 221 3
   - Rhetorical Theories CM 321 3
   - Communication Electives (Upper Division) 3
   - Communication Electives (Upper Division) 3
   - Communication Electives (Upper Division) 3
   - Communication Electives (Upper Division) 3

   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**

**Journalism emphasis:**

**Department requirements**

**COMMUNICATION**

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

   Courses for Area of Emphasis 25-35

   **TOTAL** 45-55

**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 Inquiry CM 201 3
- Interpersonal Communication CM 221 3
- Rhetorical Theories CM 321 3
- Organizational Communication CM 361 3
- Communication Electives (Upper Division) 3
- Upper Division Electives 10

   **TOTAL** 27

**ENGLISH**

- British or American Literature survey 6
- Humanities HU 207, 208 3
- Advanced Writing and Linguistics 9

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

- Upper Division Electives 9

   **TOTAL** 9

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 three hours in Humanities (either HU 207 or 208), 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:** 20

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
Secondary Education Emphasis:

1. General University Requirements
   Total credit hours ........................................ 20

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

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

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

JOURNALISTIC COMMUNICATION EMPHASIS

1. General University Requirements

2. Departmental Core Requirements
   Total credit hours ........................................ 20

3. Other Required Courses:
   Photo Communication CM 277 ................................ 3
   Communication Graphics CM 379 .......................... 3
   Radio-TV Newswriting CM 471 ............................. 3
   Critical Writing CM 474 .................................... 3
   Total credit hours ........................................... 12
   TOTAL ...................................................... 45

4. Suggested Courses, chosen from the following:
   Photo Communication CM 277 ................................ 3
   Communication Graphics CM 379 .......................... 3
   Radio-TV Newswriting CM 471 ............................. 3
   Critical Writing CM 474 .................................... 3
   Internship in Directing Forensics CM 493 .......... 6
   TOTAL ...................................................... 18
   TOTAL 18

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

Lower Division

CM 111 FUNDAMENTALS OF SPEECH COMMUNICATION (3-0-3)(Area II). Fundamental principles of effectively preparing, presenting and critically consuming messages in one-to-one, small group, and public speaking contexts.

CM 112 REASONED DISCOURSE (3-0-3)(Area II). Introduction to logical reasoning and the role of the advocate in a free society. Analysis of propositions, issues, arguments, evidence, fallacies of arguments and various systems of reasoning. Preparation for and participation in activities designed to apply the principles of logical reasoning in the public forum.

CM 114 COMMUNICATION ACTIVITIES (1-0-1). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking, or community speaking activities. PREREQ: Permission of the instructor. CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.

CM 115 INTRODUCTION TO COMMUNICATION STUDIES (2-0-2). Dimensions of human communication, historical and contemporary concepts, communication degree programs, and career opportunities.

CM 116 COMMUNICATION LABORATORY (1-1-0). 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 DICATION (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 related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication.

CM 201 PERSPECTIVES OF INQUIRY (3-0-3). The nature, sources and tests of knowledge; various views of theories, theory building, models, and the nature of inquiry. PREREQ: E 102, CM 115 or PERM. INST.

CM 216 COMMUNICATION LABORATORY (V-V-1 to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116.

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 publication and broadcasts. PREREQ: AR 251 or PERM/INST.

Upper Division

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

CM 302 RESEARCH METHODS (3-0-3)(F). 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-1 to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116.

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. 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-1 or 2). Involvement in a community to practice and refine communication skills, e.g., leadership, organization, advisory, research, and evaluation. PREREQ: CM 216 or CM 316. May be repeated for a total of 2 credits.

CM 421 PERSPECTIVES ON COMMUNICATION (3-0-3)(F). A survey of contemporary theories and theorists of communication. PREREQ: CM 201.

CM 431 SMALL GROUP PROCESS (3-0-3). An advanced study of variables and theories affecting the communicative interaction of small groups.

CM 451 COMMUNICATION PRACTICUM (Var 1 to 4). Directed study emphasizing the practical application of skills and theory relevant to human communication. An opportunity to focus on areas of special interest to the student. May be repeated for a total of four credits.
The Department of History offers three baccalaureate degree programs:

- History-Liberal Arts (42 hours of History)
- History-Social Science-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-Social Science-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 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. 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, 102 or 201, 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 end of the religious wars of the seventeenth century up through the world-wide expansion of western culture in the twentieth century of the modern era.

**HY 104 HISTORY OF SCIENCE (3-0-3)(F/S).** Alternate years. A survey on the development of the modern 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 III)(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 East 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 East to early modern European times. Not open to students with credit in HY 102. PREREQ: High school course in World History or related subject matter or PERM/INST.

**HY 205 LEWIS AND CLARK (2-0-2).** 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.
in that process. Recommended: HY 152. Alternate years.

HY 330 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 381 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). Practical experience in the arrangement and description of manuscript collections located in the Idaho State Archives at 325 West State Street, Boise, and the research and writing of a paper using original or primary sources, including newspaper collections located in the Archives.

HY 417 UNITED STATES ECONOMIC HISTORY (3-0-3). 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.

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

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

HY 432 TUDOR-STUART ENGLAND (3-0-3). 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). An examination of cultural, social, political, and economic factors affecting the historical development of Mexico from pre-conquest times to the present, with emphasis upon the conquest era, the revolution and post-revolutionary periods. Recommended: HY 367. Alternate years.

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

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

HY 482 SEMINAR IN THIRD WORLD HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in Third World History. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper Division standing.

HY 498 HISTORY SEMINAR (3-0-3).
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 pay, 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, or if the Army does not 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

Lower Division

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

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

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

ML 202 MILITARY HISTORY (2-1-2). Prepares the student for the ROTC advanced course. Enables the student to form general concepts of the evolutionary nature of warfare, identifying 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.
Upper Division

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

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

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

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

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

Department of Political Science & Philosophy

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

Chairman and Professor: Dr. Willard M. Overgaard; Professors: Brin- ton, Donoghue, Moncriel, Raymond, Skillern; Associate Professors: Bar-ton, Harbisin, 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
- 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.

Degree Requirements

POLITICAL SCIENCE MAJOR

Bachelor of Arts Degree

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

1. Political Philosophy and Public Law
2. American Governmental Systems and Processes
3. International Relations
4. Public Administration

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

5. Political Science-Social Science Secondary Education:

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

- American National Government PO 101 .................. 3
- Contemporary Political Ideologies PO 141 .................. 3
- International Relations PO 231 .................. 3
- Political Behavior PO 298 .................. 3
- Senior Seminar (Scope & Meth of Poli Sci) PO 498 .................. 3
- Comparative Legal Systems PO 451 .................. 3
- Western Political Theory I PO 441 .................. 3
- Upper Division Electives (Select one requisite to the appropriate area of emphasis):
  - State and Local Government PO 102 .................. 3
  - Public Policy PO 220 .................. 3
  - Comparative European Govt & Politics PO 229 .................. 3

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

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 45

1) LOWER DIVISION

- Lower Division Courses ........................................ 15
  - American National Government PO 101 .................. 3
  - Contemporary Political Ideologies PO 141 .................. 3
  - Comparative European Govt & Politics PO 229 .................. 3
  - International Relations PO 231 .................. 3
  - Political Behavior PO 298 .................. 3

2) UPPER DIVISION

- Upper Division Courses ......................................... 30
  - American Political Theory PO 331 .................. 3
  - Constitutional Law PO 351 .................. 3
  - International Law PO 421 .................. 3
  - Western Political Theory I PO 441 .................. 3
  - Western Political Theory II PO 442 .................. 3
  - Comparative Legal Systems PO 451 .................. 3
  - Senior Seminar (Scope & Meth of Poli Sci) PO 498 .................. 3
  - Political Science Electives .......................... 9

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

<table>
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<tr>
<th>Political Science Major Requirements</th>
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</table>
| 1) LOWER DIVISION
| Lower Division Courses | 15 |
| American National Government PO 101 | 3 |
| State and Local Government PO 102 | 3 |
| Contemporary Political Ideologies PO 141 | 3 |
| International Relations PO 231 | 3 |
| Political Behavior PO 298 | 3 |
| 2) UPPER DIVISION
| Upper Division courses | 30 |
| American Parties & Interest Groups PO 301 | 3 |
| Public Opinion & Voting Behavior PO 302 | 3 |
| American Chief Executive PO 309 | 3 |
| Legislative Behavior PO 312 | 3 |
| American Political Theory PO 331 | 3 |
| Constitutional Law PO 351 | 3 |
| Senior Seminar (Scope & Meth of Poli Sci) PO 498 | 3 |
| Political Science Electives | 9 |

3. Political Science—International Relations Emphasis

The area of emphasis in International Relations is available for students wishing to obtain a general understanding of international affairs for a more intelligent citizenship in the modern world society. Students enrolling in this option are advised to prepare themselves adequately in modern foreign languages. The course requirements in Political Science are intended to provide students with an interdisciplinary program with additional courses selected from Foreign Languages, History, Economics, and Sociology.

a. General University and Core Requirements

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<tr>
<th>Political Science Major Requirements</th>
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</table>
| 1) LOWER DIVISION
| Lower Division Courses | 15 |
| American National Government PO 101 | 3 |
| State and Local Government PO 102 | 3 |
| Contemporary Political Ideologies PO 141 | 3 |
| International Relations PO 231 | 3 |
| Political Behavior PO 298 | 3 |
| 2) UPPER DIVISION
| Upper Division courses | 30 |
| American Parties & Interest Groups PO 301 | 3 |
| Public Opinion & Voting Behavior PO 302 | 3 |
| American Chief Executive PO 309 | 3 |
| Legislative Behavior PO 312 | 3 |
| American Political Theory PO 331 | 3 |
| Constitutional Law PO 351 | 3 |
| Senior Seminar (Scope & Meth of Poli Sci) PO 498 | 3 |
| Political Science Electives | 9 |

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

<table>
<thead>
<tr>
<th>Political Science Major Requirements</th>
<th>45</th>
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</table>
| 1) LOWER DIVISION
| Lower Division Courses | 15 |
| American National Government PO 101 | 3 |
| Contemporary Political Ideologies PO 141 | 3 |
| Public Policy PO 230 | 3 |
| International Relations PO 231 | 3 |
| Political Behavior PO 298 | 3 |

School of Social Sciences and Public Affairs

2) UPPER DIVISION

| Upper Division Courses | 30 |
| Intro to Public Administration PO 303 | 3 |
| American Chief Executive PO 309 | 3 |
| Public Finance PO 310 | 3 |
| Administrative Law PO 467 | 3 |
| Intergovernmental Relations PO 469 | 3 |
| Organizational Theory & Bureaucratic Structure PO 487 | 3 |
| Senior Seminar (Scope & Meth of Poli Sci) PO 498 | 3 |
| Political Science Electives | 9 |

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 | OR |
| Intro to Public Administration PO 303 | OR |
| American Chief Executive PO 309 | OR |
| Legislative Behavior PO 312 | 3 |
| American Political Theory PO 331 | OR |
| Western Political Theory I or II, PO 441 or 442 | 3 |
| Constitutional Law PO 351 | 3 |
| Political Science Electives—Upper Division | 6 |

15 Credit Hour Emphasis—12 Credit Hours Required Courses:

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

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

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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). Ideas characterizing liberalism, communism, fascism, and Nazism.

PO 220 AMERICAN POLICY PROCESS (3-0-3). 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)(S). Development of public opinion and voting behavior. Empirical research from variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO 101 or 102.

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

PO 333 COMPARATIVE GOVERNMENTS AND POLITICS OF DEVELOPING NATIONS (3-0-3)(F). Political systems of selected nations in developing areas of the world, including nation-states in Africa, Asia, and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. PREREQ: PO 101. Alternate years.

PO 335 UNITED STATES FOREIGN POLICY (3-0-3)(F/S). Development of diplomacy from foundation of the republic to the present with emphasis on emergence and continuance of United States as a world power; impact of domestic developments on formulation of foreign policies. Alternate years.

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

PO 421 INTERNATIONAL LAW (3-0-3)(F). Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international affairs. PREREQ: PO 101, 231. Alternate years.

PO 422 INTERNATIONAL ORGANIZATION (3-0-3)(F). 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 idealational foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. PREREQ: PO 101, 141, 229. Alternate years.

PO 465G COMPARATIVE PUBLIC ADMINISTRATION (3-0-3)(F/S). Systematic examination and comparison of varied models and theories of administrative systems. International and intranational studies. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303.

PO 467G ADMINISTRATIVE LAW (3-0-3)(F/S). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 303 or PERM/INST.

PO 469G INTERGOVERNMENTAL RELATIONS (3-0-3)(F/S). Intergovernmental cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. PREREQ: PO 101, 102, 303.

PO 478G 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 INTERNNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for it should be made in early October.

PO 498 SENIOR SEMINAR (Scope and Methods of Political Science) (3.0-3)(F). Examination of discipline of political science, its central problems and unifying concepts; techniques of scientific political investigation as they relate to improved research methods. Required of all political science majors.

PY PHILOSOPHY

Lower Division

PY 101 INTRODUCTION TO PHILOSOPHY (3.0-3)(F/S Area I). A general introduction to some basic philosophical problems and concepts, with an emphasis on selected major philosophers and with an emphasis on philosophical method.

PY 121 INTRODUCTION TO LOGIC (3.0-3)(F/Area I). A study of the concepts and methods used in the analysis and evaluation of arguments, with emphasis on the structure of arguments.

PY 211 ETHICS (3.0-3)(S). An investigation of the validity of moral claims, the use of moral language, and the evaluation of classical efforts, e.g., utilitarianism, to provide a test of moral rightness.

PY 231 PHILOSOPHY OF RELIGION (3.0-3)(F). An introduction to basic philosophical issues connected with religious belief, such as the nature and existence of God, the problem of evil, miracles, and the significance of religious experience. Alternate years.

Upper Division

PY 305 ANCIENT PHILOSOPHY (3.0-3)(F). An introduction to the origins of Western philosophy in the ancient world, with emphasis on Plato and Aristotle. PREREQ: PY 101. Alternate years.

PY 307 MEDIEVAL PHILOSOPHY (3.0-3)(S). A survey of major developments in Western philosophy from St. Augustine through William of Ockham, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 403 MODERN PHILOSOPHY (3-0-3)(F). A survey of developments in Western philosophy from Descartes through Kant, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 404 SYMBOLIC LOGIC (3-0-3)(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 consistency and completeness. PREREQ: PY 121. Alternate years.

PY 405 PHILOSOPHY OF SCIENCE (3-0-3)(F). A study of philosophical issues raised by reflection on the nature of science and the results of scientific inquiry. PREREQ: PY 101 or 121. Alternate years.

PY 408 PHILOSOPHY OF LANGUAGE (3-0-3)(F/S). A study of basic concepts used by recent philosophers in thinking about language and its connections with thought and reality. Some attention may be given to discussions of language by traditional philosophers. PREREQ: PY 101 or 121.

PY 410 PHILOSOPHY OF MIND (3-0-3)(F/S). An examination of various solutions to the mind/body problem, the problem of the other minds as well as related mental concepts. Problems of action theory may be explored. PREREQ: PY 101. Offered on demand.

School of Social Sciences and Public Affairs

PY 441 PART I WESTERN POLITICAL THEORY (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

PY 442 PART II WESTERN POLITICAL THEORY (3-0-3)(F). Development of political thought since Machiavelli. PREREQ: PO 441. Alternate years.

PY 489 SENIOR TUTORIAL (3-0-3)(F). Directed research culminating in the writing of a Senior Essay to be approved by the members of the Philosophy faculty. PREREQ: Senior standing in Philosophy major.

Department of Social Work

Education Building, Room 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, and groups. Qualified licensed social workers are in demand in every area of professional practice.

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

Community centers, psychiatric and general hospitals and service centers for the aged also seek qualified social workers and offer varied career opportunities. Equally challenging opportunities exist in public and private agencies that deal with problems of housing and urban renewal, public health, community mental health, social welfare planning and fund-raising, race relations, and the many other concerns that become especially acute both in changing neighborhoods of large cities and in depressed rural and industrial areas. Social work practice is designed to enrich the quality of life by enabling individuals, groups and communities to achieve their greatest potential development.

Degrees Offered

- BA in Social Work

Degree Requirements

SOCIAL WORK MAJOR

Bachelor of Arts Degree

1. TOTAL Requirements

General University and Major Requirements ........................................ 128

2. LOWER DIVISION

Lower Division Courses ................................................................. 63

English Composition E 101,102 ......................................................... 6

History (3 cr. from Core) ................................................................. 6

Economics (Core) ................................................................. 3

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

Social Problems SO 102 ................................................................. 3

State and Local Government PO 102 ................................................ 3

Intro to Sociology SO 101 ................................................................. 3

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

Communication (Core) ................................................................. 3

Economics (Core) ................................................................. 3

Sociology (Core) ................................................................. 3

Intro to Sociology SO 101 ................................................................. 3

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

State and Local Government PO 102 ................................................ 3

Intro to Social Work SW 101 ........................................................... 3

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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 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, HI, MU, PY, TA. 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

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<th>FRESHMAN YEAR</th>
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<td>English Composition E 101­102</td>
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<td>Introduction to Multi-Ethnic Studies SO 230</td>
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<td>Social Welfare Policy SW 301</td>
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<td>Human Behavior in Social Environment SW 321</td>
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<td>Social Work Methods-Casework SW 385</td>
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<td>Social Work Methods-Community Organization SW 430</td>
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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 week are required in agency to facilitate the integration of values, knowledge and skills. PREREQ: SW 101.

Upper Division

SW 301 SOCIAL WELFARE POLICY (3-0-3) (F/S). Social welfare as an institution and social work as a profession as mechanisms to deal with the problems of social change and the effects of life in a modern industrial society. How social and individual needs have been dealt with in past and present; the ideological base for understanding the interface between policies and social welfare. PREREQ: SW 201 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 within the framework. Emphasis on the professional values and techniques for understanding and working with clients in the community. PREREQ: SW 201, 301.

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 interweaves with other Social Work methods. PREREQ: SW 301, 312.

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, 312.


SW 435 SOCIAL WORK METHODS-GROUPWORK (3-0-3) (F/S). Dynamics of group behavior, understanding group interaction and the processes of working with groups. PREREQ: SW 301, 312.

SW 480 FIELD WORK I (5-0-5) (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 312, 360, 385, Cum GPA = 2.5; major GPA = 3.0.

SW 481 FIELD WORK II (0-16-5) (S). Continuation of Field Work I. PREREQ: SW 480 and PERM/INST.

SW 498 SENIOR LEVEL SEMINAR (1-0-1) (F). Facilities and encourages the student’s development as an entry level practitioner through the synthesis of social work theory, practice and values. Must be taken concurrently with SW 480.

SW 499 SENIOR LEVEL SEMINAR (1-0-1) (S). Continuation of SW 498. Must be taken concurrently with SW 481.

Department of Sociology, Anthropology, Criminal Justice Administration

Library Building, Room 218 Telephone (208) 385-3406

Chairman and Professor: Richard P. Baker; Professors: Dorman, Pavesic, Scheffer; Associate Professors: Christensen, Cox, Hopfenbeck; Assistant Professors: 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 (MHAFF 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 Multicultural Studies; 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 ............................ 6
      History of Anthropology AN 401 ......................... 3
      Elementary Social Statistics SO 310 or equivalent .... 3
   3) OTHER
      Total Other Upper Division Courses ..................... 27
      Select 9 credits from each of the following groups of courses:
      Group I Courses .......................................... 9
      Human Variation AN 325 ................................ 3
      Anthropology of Education AN 409 ....................... 3
      Applied Anthropology AN 430 ............................ 3
      Socio-Cultural Electives .................................. 6
      Group II Courses .......................................... 9
      Peoples of the Pacific Islands AN 305 ................... 3
      Indians of North America AN 307 ....................... 3
      Peoples & Cultures of the World AN 311 ................ 3
      Indian Peoples of Idaho AN 315 ........................ 3
      Ethnography Electives .................................... 3
      Group III Courses ........................................... 9
      Old World Prehistory AN 303 ............................ 3
      Archaeology on North America AN 312 ................... 3
      Archaeology of Latin America AN 318 .................. 3
      Seminar in Anthropology AN 421 ....................... 3
   c. Recommended Electives:
      One year of a foreign language; a computer application course;
      and LI 305 Introduction to Linguistics.

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.
   c. Must complete six additional credits in U.S. History for certification requirements.
   d. Must complete 3 credits American National Government for certification requirements.
   See the department listings for each of these departments for additional information.
   a. Anthropology 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.

b. Secondary Education Requirements
   Total Credits .................................................. 24-32
   c. Conventional Education
   Refer to Teacher Education Department
   d. State Department of Education Certification
      Requirements, Social Studies ................................ 9
      U.S. History ................................................. 6
      Federal Government ........................................ 3
      In addition to "C" above, the student must take at least 15 credits of which 9 must be Upper Division credits offered by any 2 of the following academic disciplines:
      Economics
      History
      Political Science
      Sociology

3. Anthropology Minor Option
   a. Liberal Arts Minor
      Completion of the following courses ........................ 21
      Physical Anthropology AN 101 ............................ 3
      Cultural Anthropology AN 102 ............................ 3
      Intro to Archaeology AN 103 ............................... 3
   b. Anthropology Education Minor Option
      Total credits .................................................. 15
      Required Courses
      Physical Anthropology AN 101 ............................ 3
      Cultural Anthropology AN 102 ............................ 3
      Upper Division Anthropology Electives .................... 9
      Intro to Archaeology AN 103 is strongly recommended.

CRIMINAL JUSTICE ADMINISTRATION
Bachelor of Arts Degree
Bachelor of Science Degree

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

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

Core COURSES: .......................................................... Credits
   English Composition E 101-102 ..................................... 6
   Literature ..................................................................... 3
   Humanities (Area I) ................................................. 9
   Science or Mathematics (Area III) .............................. 12
   History ..................................................................... 3
   Introduction to Financial Accounting AC 205 or OR ................................. 3
   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
   a. Defensive Tactics FA 141 .................................... 1
   b. Law of Arrest, Search & Seizure CR 275 ................. 3
   c. Law of Criminal Evidence CR 276 ......................... 3
   d. Police Organization & Management CR 351 .............. 3
Introduction to Criminalistics CR 380 ........................................... 3
Criminal Justice Planning CR 425 .............................................. 3
Comparative Law Enforcement Admin CR 451 .......................... 3
Field Practicum-Enforcement CR 490 ....................................... 6
Electives to total 128 ............................................................... 19

2. Courts/Law
Law of Criminal Evidence CR 275 ........................................... 3
Law of Arrest, Search & Seizure CR 276 ..................................... 3
Judicial Admin & Court Management CR 381 ............................ 3
Criminal Justice Planning CR 425 .......................................... 3
Comparative Law Enforcement Admin CR 451 .......................... 3
Constitutional Law PO 351 ....................................................... 3
Field Practicum-Courts-Law CR 490 ........................................ 6
Electives to total 128 ............................................................... 21

3. Corrections/Counseling
Corrections in the Community CR 331 ..................................... 3
Interviewing & Counseling in Crim Justice CR 340 ................. 4
Advanced Interview & Counsel in Crim Just CR 341 .................. 4
Criminal Justice Research & Evaluation CR 426 ....................... 3
Field Practicum-Correct-Counsel CR 490 ................................. 6
Criminal Justice Elective ......................................................... 3
Electives to total 128 ............................................................... 20

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

SOCIAL SCIENCE
Bachelor of Arts Degree

1. General University and Basic Core Requirements:

2. Social Science Requirements:
a. LOWER DIVISION
Total Lower Division Courses ................................................. 21
Anthropology ........................................................................ 3
Economics .......................................................................... 3
Political Science ................................................................. 3
Sociology ............................................................................ 3
Social Science Electives ......................................................... 9
b. UPPER DIVISION Select from the following combinations—
12 credits in one field and 6 credits in two other fields
Total upper division credits ..................................................... 24
Anthropology
Economics
History
Political Science
Psychology
Sociology

SOCILOGY MAJOR
Bachelor of Arts
Bachelor of Science

1. Completion of general university requirements for the Bachelor of Arts or Science degree as given in the Academic Section of this Catalog. Bachelor of Arts degree candidates are required to complete one year of foreign language. Sociology courses MAY NOT be used to satisfy Area H requirements.

2. Sociology Majors shall complete at least forty-one (41) credit hours in Sociology courses, including:
a. A twenty-three (23) hour major core consisting of the following courses:
- Introduction to Sociology SO 101 ........................................... 3
- Computer Applications in Social Science SO 201 .................... 3
- Theories of Society SO 210 ............................................... 3
- Elementary Social Statistics SO 310 ..................................... 3
- Social Research SO 311 ..................................................... 3
- History of Sociology SO 401 .............................................. 3
- Contemporary Sociological Theory SO 402 ......................... 3
- Sociology Seminar SO 498 ................................................. 2

b. A nine (9) credit hour track emphasizing either 1) General Sociology or 2) Applied Sociology. The General track will serve those who desire a broad theoretical orientation and substantive knowledge base with less emphasis on quantitative and methodological aspects of the field. The Applied track should be useful to those who, whether working toward post-graduate education or immediate employment, want to emphasize the tools of research and quantitative analysis.

   1) GENERAL SOCIOLOGY—Nine credit hours selected from:
      - Social Institutions SO 351 ............................................ 3
      - Social Change SO 403 .................................................. 3
      - Social Inequality SO 421 .............................................. 3
      - Social Psychology SO 431 ............................................ 3
      OR

   2) APPLIED SOCIOLOGY
      - Advanced Social Statistics SO 410 ................................. 3
      - Advanced Research Methods SO 411 ............................. 3
      - Sociology Internship SO 493 ........................................ 3

   c. Nine (9) additional hours in Sociology. These may be selected from all Sociology course offerings or focused on some specific area of interest or vocational concern.

SOCIETY
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

SOCILOGY
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 traditional, 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

SOCIETY 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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<td>Cultural Approaches to Math M-100*</td>
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<td>Introduction to Sociology SO 101</td>
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<td>American National Government PO 101*</td>
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SOPHOMORE YEAR

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<td>Computer Applications SO 210</td>
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SENIOR YEAR

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<td>Contemporary Soc Theory SO 402</td>
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<td>Sociology Seminar SO 496</td>
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CRIMINAL JUSTICE

ASSOCIATE OF SCIENCE PROGRAM (TWO YEAR)

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<td>Electives</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. PREREQ: AN 102, Upper Division status or PERM/INST.

AN 102 CULTURAL ANTHROPOLOGY (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. PREREQ: AN 102 or AN 103, Upper Division status, or PERM/INST.

AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3/F/S/Area II). An introduction to the historic background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities and histories. PREREQ: AN 102 or AN 103, Upper Division status, or PERM/INST.

AN 303 OLD WORLD PREHISTORY (3-0-3/F/S). A survey of cultural evolution from the first known evidence of cultural behavior (ca. two million years ago) to the domestication of plants and animals and the rise of civilization. Emphasis is placed on the development of civilizations. PREREQ: AN 102 or AN 103, Upper Division status, or PERM/INST.

AN 305PEOPLES OF THE PACIFIC ISLANDS (3-0-3/F/S). Survey of peoples and cultures of Oceania—including Polynesia, Melanesia, Micronesia, New Guinea and Australia. From Pre-European contact to the present. PREREQ: AN 102, Upper Division status or PERM/INST. Emphasis is placed on the development of civilizations. PREREQ: AN 102 or AN 103, Upper Division status, or PERM/INST.

AN 307 INDIANS OF NORTH AMERICA (3-0-3/F/S). A general survey emphasizing the description and analysis of native cultures and the role of environment, culture, and historical factors in North America. PREREQ: Lower Division status or PERM/INST.

AN 311PEOPLES AND CULTURES OF THE WORLD (3-0-3/F/S). A general survey of peoples and cultures of the world. PREREQ: Lower 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 antiquity. PREREQ: AN 102, Upper Division status or PERM/INST.

AN 313 ARCHAEOLOGY OF SOUTH AMERICAN AND LATIN AMERICA (3-0-3/F/S). A survey of prehistoric cultures of South America and Latin America. The course includes a history of ideas about native American origins and antiquity. PREREQ: AN 102, Upper Division status or PERM/INST.

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

AN 318 ARCHAEOLOGY OF LATIN AMERICA (3-0-3/F/S). An examination of the 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 presented materials and classroom discussions. PREREQ: AN 102, Upper division status or PERM/INST.

AN 409 ANTHROPOLOGY OF EDUCATION (3-0-3)(F/S). An examination of the cultural aspects of educational processes and institutions. The application of anthropological method and theory to the problems of formal and informal education in traditional and modern cultures. PREREQ: AN 102, Upper Division status or PERM/INST.

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

AN 430 APPLIED ANTHROPOLOGY (3-0-3)(F/S). Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Emphasis will be placed on the positive and negative impact of cultural change will be examined. Also considered is the development 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/S). Philosophy, history, objectives and functions of the criminal justice system as a social institution. The relationship of this system to society; general overview of the administration of justice.

CR 215 POLICE IN THE COMMUNITY (3-0-3). A study of police behavior in urban and rural areas with an emphasis on the police response to community crime, 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 realities 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 337 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 rehabilitation 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 351 POLICE ORGANIZATION AND MANAGEMENT (3-0-3)(F). Enforcement
School of Social Sciences and Public Affairs

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 decision making. Heuristic tools to review current issues in the system. PREREQ: Upper division CIA standing.

CR 426 CRIMINAL JUSTICE RESEARCH AND EVALUATION (3-0-3). Basic aims, processes, and limitations of research in criminal justice. Introduction to social research methods and techniques for evaluating action programs in the criminal justice field. PREREQ: CR 415, upper division CIA 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

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 organizational behavior, socialization, inequality, institutions, intergroup relations, change, and others.

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

SO 121 DATING AND MARRIAGE (3-0-3)(S). An informative study and discussion of mate selection, marital relationships and adjustments, parenthood and related subjects, each explored at length in popular culture but usually ignored as a serious subject of academic examination. The course will emphasize factual knowledge, self-understanding and a sociological perspective on marriage in a changing society.

SO 201 THEORIES OF SOCIETY (3-0-3)(F). Introduction to the major analytical and interpretative contributions of Sociology towards an understanding of the nature and causes of human behavior in society. PREREQ: SO 101.

SO 203 FUTURE STUDIES (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 210 COMPUTER APPLICATIONS IN SOCIAL SCIENCE (3-0-3)(S). The objectives of this course are (1) to develop an understanding of computer applications to social research data; (2) to provide students with the skills to use the computer to collect and analyze social data with increased ease via the computer.

SO 230 INTRODUCTION TO MULTICULTURAL STUDIES (3-0-3)(F/S)(Area II). This course views minority and majority 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 degree to which racial and 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 systemic inequality.

CR 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 410 APPLIED ANTHROPOLOGY (3-0-3)(F). 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 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 211.

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 concepts 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 CIA standing.


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

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S). 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 CIA standing.
beliefs. PREREQ: SO 1010 and upper division status.

SO 330 SOCIOLoGY OF vIOLENCE (3-0-3)(F). The incidence of deliberate injury of one human by another is analyzed in terms of social and cultural patterns that act to produce, alter or discourage acts of violence. The various forms violence may take are examined from a sociological perspective. PREREQ: SO 101 and Upper Division Status. Alternate Years.

SO 331 DEVIANT BEHAVIOR (3-0-3)(S). Analysis of groups who violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies—with those doing the labeling or with those doing the labeling. 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 341 SOCIOLOGICAL INSTITUTIONS (3-0-3)(S). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101 and upper division standing. Alternate years.

SO 361 SOCIOLOGY OF WORK (3-0-3)(F/S). The social organization of work is examined in historical and contemporary perspectives. PREREQ: SO 101, upper division standing.

SO 362 CR 362 CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(S). 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 enforcement, 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, 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/S). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper 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 421 SOCIAL INEQUALITY (3-0-3)(S). How inequalities of wealth, income and prestige occur. How such inequalities affect style of behavior, personal philosophy and life chances. Arguments for and against more equality will be examined in relation to issues such as: constraint and mobility; education and opportunity; consumerism and poverty; public policy and the politics of wealth and welfare. PREREQ: SO 101 and Upper Division Status. 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, PERM/INST.

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:

a. Fulfill the expectations established by its designation as the program of primary emphasis in business and economics in the State;

b. 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
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 prerogistration 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 requisites for certain Upper Division Courses in the College of Business.

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

- Business Communication AS-328
- Management & Organizational Theory MG 301
- Principles of Marketing MK-301
- Principles of Finance FI-303
- Principles of Production Management DS-345

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

Department of Accounting

Business Building, Room 214 Telephone (208) 385-3461

Acting Chairman and Professor of Management: James M. Kelly Professor: Merz; Associate Professors: Jensen, Medlin, Nix, Pirrong; Assistant Professor: Lathen; Special Lecturers: Bates, Blue, Byll, Christensen, Taylor.

Degrees Offered

• BBA, BA, and BS in Accounting

Department Statement

The Department of Accounting at Boise State University has over 600 undergraduate majors. There are many professional opportunities available for college graduates with an accounting background and the demand for graduates is high. Members of the accounting faculty possess impressive credentials. There are 12 full-time faculty. Most have completed the doctorate degree; nearly all are CPAs; and half are CMAs. Their research is recognized through publication in many professional journals. Faculty frequently serve in consulting capacities to local and national business firms. Most of the faculty have extensive relevant experience in industrial, public, and governmental accounting. Perhaps the most interesting and unique feature of the department is its close relationship to the business community. Guest lecturers frequently conduct classes and workshops. This “corporate laboratory” experience at BSU provides the student with a unique perspective not typically available at other schools.

The Accounting program provides thorough training in accounting, general business, and economics, along with a broad exposure to the arts and sciences.

In many courses, the student is required to utilize the IBM Personal Computer to prepare working papers and assignments. The College of Business has a microcomputer laboratory as well as a microcomputer classroom where students are taught the basic skills. These skills are then integrated within several of the accounting courses, providing a significant educational benefit.

The internship program is large and growing. The student has the opportunity to earn college course credits while realizing the benefits of real world accounting experience. Most firms participating in the internship program offer a salary to students.

Special Information for Students

1. Students interested in careers in professional accounting are strongly advised to plan on taking in excess of the minimum 128 hours required for graduation. This is necessary to obtain the minimum knowledge requirements for entry into the accounting profession. In particular, students planning to sit for the CPA/CMA/CIA examinations should take the following additional courses:

   CPA : AC 402, 420, and 440
   CMA : AC 402 and 420
   CIA : AC 420

More detailed information about these professional certification programs is available through the department. A suggested “ninth semester” for those planning professional careers in accounting is shown following the Recommended Program below.

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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:

**Business Courses:** MK-301, CB-202-302, 450; FI-303, EC-303; AS-328; MG 301, 401; DS-207, 345; IS 210.

**Accounting Courses:** AC-205, 206, 304, 306, 351, 401, 420, 440. 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>Course Offerings</th>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Mathematics M 105-106 or M 111-204</td>
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<td>Core Electives (Area I, II)</td>
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**SOPHOMORE YEAR**

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<th>Course Offerings</th>
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<tr>
<td>Intro to Financial Accounting AC 205</td>
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<tr>
<td>Intro to Managerial Accounting AC 206</td>
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<tr>
<td>Principles of Economics EC 201-202</td>
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<tr>
<td>Intro to Information Science IS 210</td>
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<tr>
<td>Statistical Techniques I DS 207</td>
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<td>Legal Environment of Business GB 202</td>
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<tr>
<td>Core Electives (Area III)</td>
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<td>Intermediate Accounting I,II AC 304-306</td>
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<tr>
<td>Cost Accounting AC 351</td>
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<tr>
<td>Analysis, Design &amp; Audit of Accounting Information Systems AC 420</td>
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<tr>
<td>Intermediate Microeconomics EC 303</td>
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<tr>
<td>Business Communication AS 328</td>
<td>-</td>
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<tr>
<td>Principles of Marketing MK 301</td>
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<tr>
<td>Principles of Finance FI 303</td>
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<tr>
<td>Management &amp; Organizational Theory MG 301</td>
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<tr>
<td>Principles of Production Management DS 345</td>
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**SENIOR YEAR**

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<tr>
<td>Principles of Income Taxation AC 401</td>
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<tr>
<td>Commercial Law GB 302</td>
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<tr>
<td>Organizational Behavior MG 401</td>
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<tr>
<td>Business Policies GB 450</td>
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<td>General Electives</td>
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<td>Accounting Theory AC 440</td>
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<td>Accounting Electives</td>
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**NINTH SEMESTER**

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<th>Course Offerings</th>
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<tbody>
<tr>
<td>Advanced Income Taxation AC 402</td>
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<tr>
<td>*Systems Analysis and Design AC 420</td>
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<tr>
<td>Accounting Theory AC 440</td>
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<tr>
<td>Review for CPA/CMA/CIA Exam. (250-300 hours)</td>
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<tr>
<td>Recruiting for employment (50-100 hours)</td>
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</table>

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**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>AC 205 INTRODUCTION TO FINANCIAL ACCOUNTING (3-0-3)</td>
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<tr>
<td>AC 206 INTRODUCTION TO MANAGERIAL ACCOUNTING (3-0-3)</td>
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<tr>
<td>AC 304 INTERMEDIATE ACCOUNTING I (3-0-3)</td>
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<tr>
<td>AC 320 TAX FACTORS IN BUSINESS DECISIONS (3-0-3)</td>
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<tr>
<td>AC 351 COST ACCOUNTING (3-0-3)</td>
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<tr>
<td>AC 352 MANAGERIAL ACCOUNTING (3-0-3)</td>
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<tr>
<td>AC 401 PRINCIPLES OF INCOME TAXATION (3-0-3)</td>
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<td>AC 405 AUDITING (3-0-3)</td>
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<tr>
<td>AC 406 AUDITING—SPECIAL PROBLEMS (3-0-3)</td>
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<tr>
<td>AC 420 ANALYSIS, DESIGN, AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3)</td>
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<tr>
<td>AC 440-440G ACCOUNTING THEORY (3-0-3)</td>
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<tr>
<td>AC 450 DATA PROCESSING FOR THE ACCOUNTANT (3-0-3)</td>
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<tr>
<td>AC 460 NOT-FOR-PROFIT ACCOUNTING (3-0-3)</td>
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**Upper Division**

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<tr>
<th>Course Offerings</th>
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<tr>
<td>AC 205 INTRODUCTION TO MANAGERIAL ACCOUNTING</td>
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<td>AC 304 INTERMEDIATE ACCOUNTING I</td>
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<td>AC 320 TAX FACTORS IN BUSINESS DECISIONS</td>
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<td>AC 351 COST ACCOUNTING</td>
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<td>AC 352 MANAGERIAL ACCOUNTING</td>
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<td>AC 401 PRINCIPLES OF INCOME TAXATION</td>
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<td>AC 405 AUDITING</td>
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<tr>
<td>AC 406 AUDITING—SPECIAL PROBLEMS</td>
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<td>AC 420 ANALYSIS, DESIGN, AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS</td>
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<td>AC 440-440G ACCOUNTING THEORY</td>
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<td>AC 450 DATA PROCESSING FOR THE ACCOUNTANT</td>
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<td>AC 460 NOT-FOR-PROFIT ACCOUNTING</td>
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</table>
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 (3-0-3). 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

College of Business

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) 3
   Introduction to Philosophy PY101 3
   Other Arts and Humanities (Area I Core) 6
   Principles of Economics EC201, EC202 or EC201H, EC202H 6
   History of Western Civilization HY101, 102 or Problems of Western Civilization HY201, 202 6
   Social Science (Area II Core) 8
   Math M105, M106 or M111, M112 4
   Natural Science (Area III Core) 4
   Accounting AC205 3
   Statistical Techniques DS207 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

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Recommended Program

FRESHMAN YEAR

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SOPHOMORE YEAR

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<td>Information Sc IS210</td>
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JUNIOR YEAR

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SENIOR YEAR

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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) 6
   Principles of Economics EC201, EC202 or EC201H, EC202H 6
   History of Western Civilization HY101, 102 or Problems of Western Civilization HY201, 202 6
   Social Science (Area II Core) other than HY or EC 3
   Math M105, M106 or M111, M112 4
   Natural Science (Area III Core) 4
   Accounting AC205 3
   Statistical Techniques DS207 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

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* 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 III). 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).
Economics Electives .......................... 18
Educational Psychology P325 ................ 3
Reading in the Content Subjects, Secondary TE307 ........ 3
Educat ing Exceptional Secondary Students TE333 .... 1
Secondary School Methods TE381 ............... 3
Secondary School Social Studies Methods TE385 .... 3
Senior High School Student Teaching TE483 ........ 8

4. ELECTIVES
   Lower- or Upper-division electives .......... 32
   First Teaching Minor ...................... 15
   Second Teaching Minor .................... 15
   Free Electives ............................ 2
* Must include two Area I fields other than literature.

Those students considering or planning on graduate study in economics should complete a calculus sequence (M204-206 or M211-212) and linear algebra (M301).

BUSINESS ECONOMICS MAJOR
Bachelor of Business Administration 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 Science (Area III Core) ..................4
   Accounting AC205, AC206 ..........................6
   Introduction to Information Science IS210 ........ 3
   Legal Environment of Business GB202 ........ 6
   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 Marketing 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 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 (M301).

Recommend ed Program

FRESHMAN YEAR

1st 2nd

SEM SEM

English E101-102 or E111-112 3 3
Math M204-206 or M211-212 5-5 4-5
History HY101-102 OR 201-202 3 3
Philosophy PY101 3
Area I core (third field) 3
Electives 3 3
TOTAL 17-17 16-17

SOPHOMORE YEAR

Prin Econ EC201-202 or EC201H-202H 3 3
Area I core (Literature) 3
Area II core (Science) 4
Information Sci IS210 3
Accounting AC205 3
Area I core 3
Area II core (except EC or HY) 3
Math M206 or Elective 4-3
Statistics M361 or DS208 3-4
TOTAL 16-15 16-17

JUNIOR YEAR

Intermed Micro EC303 3
Intermed Macro EC305 3
Hist Econ Thght EC311 3
Economics Electives 3 3
Linear Algebra M301 4
Stat DS-208 (if M361 not taken) or Elective 3
UD Math or Dec Sci 3-4
Area I or II Elective 3
Elective 3
TOTAL 16 15-16

SENIOR YEAR

Econometrics EC421-422 3 3
Economics Electives 3 3
UD Math or Dec Sci 3-3
Area I or II Elective 3
Electives 6-5-6
TOTAL 18 15-16
### College of Business

- **Intro to Financial Acctg AC 205** ................................................ 3
- **Intro to Managerial Acctg AC 206** ............................................. 3
- **Legal Environment of Business GB 202** ...................................... 3
- **Statistics DS207-208** .................................................................... 3
- **Information Science IS210** ............................................................. 3
- **Non-business Elective (Area I, II, III)** ........................................... 3

**TOTAL** 15 16

### JUNIOR YEAR

- **Intro to Managerial Acctg AC 205** ............................................. 3
- **Intro to Managerial Acctg AC 206** ............................................. 3
- **Bus Comm AS328** ........................................................................... 3
- **Prin Prod Mgmt DS345** ............................................................ 3
- **Non-business Elective (Area I, II, III)** ........................................... 3

**TOTAL** 15 16

**SUGGESTED REAL ESTATE ELECTIVES: RE370, RE431, RE450, RE497, AC320, EC301.**

**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 made from the list of University core courses.

### SENIOR YEAR

- **Economics EC421-422** ................................................................. 3
- **Economics Electives** ...................................................................... 6
- **Org. Behavior MG401** ................................................................. 3
- **Business Policies GB450** ............................................................... 3
- **Free Electives** ................................................................................. 4-5 5-6

**TOTAL** 16-17 17-18

**RECOMMENDED PROGRAM**

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<td>Mngt &amp; Organ Theory MG 301</td>
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* 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 401.

### 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). An introduction to microeconomics analysis covering supply, 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 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.

**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). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. PREREQ: EC 202.

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

EC 310 (PO 310) PUBLIC FINANCE (3-0-3)(S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxation, 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/ININST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3)(F). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. PREREQ: EC 201-202.

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


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

EC 322 URBAN ECONOMICS (3-0-3)(S). Focus on the structure of the urban areas, locational patterns, housing, crime, pollution, poverty, financial and transportation problems. Tools of economic analysis will be used to analyze the problems and existing and proposed policies. PREREQ: EC 201, 202, or PERM/ININST.

EC 325 RADICAL ECONOMICS (3-0-3)(F). Analysis of radical political-economic thought and its applications to the study of socioeconomic problems. Topics include Marxian socialist economic theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Issues such as imperialism, economic and social inequality and alienation will be considered. PREREQ: Upper division or PERM/ININST.

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

EC 333 NATURAL RESOURCE ECONOMICS (3-0-3)(F). The theoretical and policy issues 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)(S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 201, 202 or PERM/ININST. Alternate years.

EC 421-422, 421G-422G ECONOMETRICS (3-0-3). Application of mathematics and statistics to the study of economics. Designed for the student with the quantitative tools used to verify theory and forecast economic activity. PREREQ: M 106 or equivalent and DS 207-208. May be taken for graduate credit. EC 421F is Fall; EC 422G is Spring. EC 421 is PREREQ for EC 422.

EC 470 REAL ESTATE DEVELOPMENT (3-0-3)(F). Traditional development process, including market analysis, feasibility study, land acquisition, zoning, layout and design, design review, financing, construction, occupancy and sale. In addition, the course concerns itself with the many factors of the planning process and the developer obligation and concerns for problems. PREREQ: EC 201, 220.

EC 471 REAL ESTATE BROKERAGE MANAGEMENT (3-0-3)(S). Office administration, hiring and personnel management, brokerage sales and promotion, commission structure, ethical behavior and social responsibility, creative financing, professional organizations, and agency relationships. PREREQ: EC 220.
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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**COMPUTER INFORMATION SYSTEMS MAJOR**
Bachelor of Business Administration Degree

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**SOPHOMORE YEAR**
Bachelor of Business Administration Degree

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**SENIOR YEAR**
Bachelor of Business Administration Degree

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

**DS DECISION SCIENCE**

**Lower Division**

DS 207 STATISTICAL TECHNIQUES FOR DECISION MAKING I (3-0-3)(F/S). Designed to provide an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. Business applications of such statistical concepts as the binomial and normal distributions, interval estimates, and hypothesis testing are covered. PREREQ: M 106 or equivalent.

DS 208 STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-3)(F/S). Statistical methods beyond DS 207. The course concentrates on using these procedures in a business decision-making environment. Topics covered include simple and multiple regression analysis and Bayesian decision theory. Whenever applicable, computer software programs are used to assist in the learning process. PREREQ: DS 207, IS 210.

**Upper Division**

DS 345 PRINCIPLES OF PRODUCTION MANAGEMENT (3-0-3)(F/S). Management of the production function: analysis, design, planning and control of production processes, plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. PREREQ: MG 301.

DS 366 QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS (3-3)(F/S). 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.

College of Business

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 (3-3)(F/S). Multivariate statistical techniques, which are useful in business decision-making, will be covered with emphasis on problem formulation and interpretation of the results. Typical topics include: general linear model, principal components, discriminant analysis, and factor analysis. PREREQ: DS 208.

**FI FINANCE**

**Lower Division**

FI 208 PERSONAL FINANCE (3-0-3)(F/S). (Formerly FI 108, Personal Finance.) This course addresses the growing 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/S). (Formerly FI 211, 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/S). 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.

**Upper Division**

FI 303 PRINCIPLES OF FINANCE (3-0-3)(F/S). 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.

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, FI 303.

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.

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.

FI 421-421G DECISION PROCESSES IN BANKING (3-0-3)(S). The topics included in this course are those which involve the specific decision making areas faced by participants in the banking industry. These decision areas include the management of liquidity reserves and securities portfolios, consumer, business, and real estate loans, liability control, asset-liability management, trust banking and international banking. PREREQ: Upper Division Standing, FI 420.

FI 450-450G INVESTMENT MANAGEMENT (3-0-3)(F). This course examines the U.S. Securities markets from both a theoretical and a practical viewpoint. Topics included: mechanics of direct investment, measurement and management of risk and return, the Efficient Market Hypothesis, Modern Portfolio Theory, the Capital Asset Pricing Model, and analysis of investment performance. Class format includes lecture, readings, and guest lecturers. PREREQ: Upper Division Standing and FI 303, DS 208.

FI 451-451G FRONTER IN FINANCIAL MARKETS (3-0-3)(S). This course focuses on both recent and past innovations in the securities markets. Futures contracts and options and the theory of hedging using both agricultural and financial futures contracts options writing, and index options are stressed. A combina-
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.

Recommended Programs

GENERAL BUSINESS MAJOR
Bachelor of Business Administration Degree

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MANAGEMENT MAJOR

TRANSPORTATION OPTION
Bachelor of Business Administration

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Department of Management

Business Building, Room 313 Telephone (208) 385-1313

Chairman and Professor: Dr. Bong-Gon Shin; Professors: Kelly, Phillips, Pitts, Willett; 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.
### College of Business

**MANAGEMENT MAJOR HUMAN RESOURCE MANAGEMENT OPTION**
Bachelor of Business Administration

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### Course Offerings

**AV AVIATION MANAGEMENT**

**Lower Division**

**AV 101 INTRODUCTION TO AERONAUTICS (3-0-3).** Survey of basic aerodynamics, meteorology, navigation and Federal Aviation Agency regulations. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight. At termination, the student may take the FAA Private Pilot examination.

**AV 201 COMMERCIAL PILOT GROUND SCHOOL (3-0-3).** Study of weather, navigation, radio communications, federal air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. **PREREQ:** Private pilot certificate.

**AV 205 INTRODUCTION TO AVIATION MANAGEMENT (3-0-3).** Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower management and career opportunities in the field are featured.

**Upper Division**

**AV 331 AIRPORT MANAGEMENT (3-0-3).** Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight-deck and maintenance crew services, operation and maintenance of public facilities. **PREREQ:** AC 205.
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 recommend 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 control of the 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 regulations in a deregulated environment.

GB 441-441G GOVERNMENT AND BUSINESS (3-0-3)(F/S). Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. PREREQ: GB 202.

GB 450 BUSINESS POLICIES (3-0-3). To develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world-wide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. PREREQ: Senior standing plus MG 301, MK 301, DS 345, FI 303.

MG MANAGEMENT

Upper Division

MG 301 MANAGEMENT AND ORGANIZATIONAL THEORY (3-0-3). Emphasis on conceptual application of management and organizational theory, nationally and internationally. Topics include organizational environments, decision-making, design, technology, leadership, effectiveness, and information and control.

MG 305 PERSONNEL ADMINISTRATION (3-0-3)(F/S). The functions of personnel administration-human resources, planning, procurement, development, utilization, and compensation—with an emphasis on the interpersonal relationships 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 insight 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). Focusing on contemporary issues in management, this course includes such topics as management of change, organizational development, the use of computer technology in management, and improvement of productivity. PREREQ: MG 301.

MG 406 COMPENSATION MANAGEMENT (3-0-3)(F/S). Implementation, administration, maintenance, and control of a comprehensive compensation program, job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Legislation affecting compensation and unique compensation problems of public employees and employees of transnational enterprises. PREREQ: MG 305 or PERM/INST.

MG 415 COLLECTIVE BARGAINING (3-0-3). 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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* Offered by School of Vocational Technical Education.

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### 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 and AS 317, and upper division economics elective.

### Internship

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

## Administrative Services Option

### FRESHMAN YEAR

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### MARKETING MAJOR

**Bachelor of Business Administration Degree**

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<tr>
<td>Principles of Production Management DS 345</td>
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<tr>
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<td>Internship</td>
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### Introduction to Managerial Accounting AC 206

- 3

### Principles of Economics EC 201-202

- 3  3

### Legal Environment of Business GB 202

- 3

### Introduction to Information Science IS 210

- 3

### Physical or Biological Science Electives (Area III)

- 4

### Electives

- 3

### Statistical Techniques I, II DS 207, 208

- 3  3

**Totals**

|     | 16 | 15 |

#### JUNIOR YEAR

**Principles of Marketing MK 301**

- 3

**Intermediate Microeconomics EC 303**

- 3

**Management & Organizational Theory MG 301**

- 3

**Principles of Finance FI 303**

- 3

**Consumer Behavior MK 307**

- 3

**Marketing Electives**

- 6

**Electives**

- 3

**Intermediate Management Marketing MK 320**

- 3

**Principles of Production Management DS 345**

- 3

**Business Communication AS 328**

- 3

**Totals**

|     | 18 | 15 |

#### SENIOR YEAR

**Organizational Behavior MG 401**

- 3

**Advanced Marketing Management MK 425**

- 3

**Marketing Electives**

- 6

**Business Policies GB 450**

- 3

**Marketing Research MK 415**

- 3

**Electives**

- 5  6

**Economics Electives (Upper Division)**

- 3

**Totals**

|     | 17 | 15 |

**MARKETING—MID-MANAGEMENT MAJOR**

**Associate of Science**

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<td>Principles of Economics-Macro EC 201</td>
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<td>Elements of Management MM 105</td>
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<td>Fundamentals of Speech Communication CM 111</td>
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**Totals**

|     | 17 | 15 |

#### FRESHMAN YEAR

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<td>Principles of Economics-Micro EC 202</td>
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<td>Principles of Advertising MM 203</td>
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<td>Report Writing MM 209</td>
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<td>Intro to Microcomputer Applications in Retailing MM 250</td>
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<td></td>
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<tr>
<td>Retail Merchandising MM 204</td>
<td>3</td>
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<td>General Psychology P 101</td>
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<td>Mid-Management Practicum MM 100</td>
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</table>

**Totals**

|     | 16 | 16 |

#### Course Offerings

**AS ADMINISTRATIVE SERVICES**

**Lower Division**

**AS 213 WORD PROCESSING/MACHINE TRANSCRIPTION (2-0-2)(F)S.** The development of speed and accuracy in machine transcription is emphasized by using business word processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. **PREREQ:** OF 104 (Typing III).

**AS 215 WORD PROCESSING APPLICATIONS (3-0-3)(F).** Computerized document creation. Emphasis on creation, storage, and information processing applications. **COREQ:** OF 104 (Typing III).

**Upper Division**

**AS 309 RECORDS MANAGEMENT (3-0-3)(F).** Creation, processing, maintenance, protection and destruction of business records. These topics will be covered from the theoretical point of view and by the use of practical application. The ability to analyze a problem and make a decision will be stressed.

**AS 310 PRINCIPLES OF ADMINISTRATIVE SERVICES (3-0-3)(S).** Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them.

**AS 315 PRINCIPLES OF WORD PROCESSING (3-0-3)(F).** Principles of computerized word processing. Feasibility studies, organization and structure, input-output equipment, personnel and training, measurement and control and demographics. Communications within and outside the organization using computers.

**AS 317 OFFICE MANAGEMENT (3-0-3)(S).** Introduction to the area of information management. Functions of office management include areas such as production, environmental analysis, systems analysis and personnel administration.

**AS 328 BUSINESS COMMUNICATION (3-0-3)(F/S).** The effectiveness and correctness of writing and the psychology of letter writing will be stressed through the preparation of a variety of business messages. Specific memorandum and letter problems will be used in conjunction with various cases to provide students with realistic opportunities to develop writing skills necessary for entry-level performance. **PREREQ:** E 102.

**AS 338 TECHNICAL WRITING FOR BUSINESS (3-0-3)(S).** A study and application of the principles and logic of effective writing in the preparation of business reports and technical papers. Specific as well as general instruction in the gathering and interpreting of data, organizing of information, and writing of the final report. The case-study approach will be used. **PREREQ:** AS 328.

**BE BUSINESS EDUCATION**

**Upper Division**

**BE 401 METHODS IN BUSINESS EDUCATION (3-0-3)(F).** Methods and materials of instruction in business subjects at the secondary and post-secondary levels. Methods of teaching the adult learner. Application of principles of learning and teaching to business education. Must be taken prior to student teaching.

**BE 409 METHODS AND MATERIALS IN DISTRIBUTIVE EDUCATION (2-0-2)(F).** Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. Organization and administration of vocational student groups.

**BE 411 CONSUMER EDUCATION IN THE SCHOOLS (3-0-3)(S).** For students preparing to teach consumer related topics. To introduce prospective teachers to teaching methodology appropriate to Consumer Education. Learning materials and resources will be identified and reviewed. **PREREQ:** Senior level or PERM/INST.

**BE 421 BUSINESS CURRICULUM AND METHODS SEMINAR (3-0-3)(S).** Coverage of current issues and methods in business education, curriculum, research, vocational guidance, and the handicapped student. Includes counseling responsibilities, curriculum development, teaching the disadvantaged and handicapped, and modifying vocational programs for students with special needs. Individual research and presentation emphasized.

**BE 441-443G 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 443-445G 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 (3-0-3)(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)(F).** 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 insure that
managers are aware of the ethical responsibilities inherent in the job. PREREQ: MK 301.

MK 307 CONSUMER BEHAVIOR (3-0-3)(F/S). Theories of behavior related to purchase and consumption of goods or services. Individual as well as group reaction in social science research is evaluated. PREREQ: MK 301.


MK 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/S). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesaler, and manufacturer establishments. Analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques.

MM 105 ELEMENTS OF MANAGEMENT (3-0-3)(F). Principles of management related to the functions of planning, organizing, staffing, directing, and controlling. Production is not considered. Mid-Management Majors only.

MM 201 CONSUMER MARKETING (3-0-3)(F). The study of activities by which goods and services flow from producer to ultimate consumer. Includes methods, policies, and evaluation of the various marketing institutions according to the function performed.

MM 203 PRINCIPLES OF ADVERTISING (3-0-3)(S). Objectives and policies of sales promotion, study of the media, and regulation of advertising. Coordination of display, selling and other merchandising factors. Preparation of copy, illustrations, layout and display.

MM 204 RETAIL MERCHANDISING (3-0-3)(F). Merchandise planning and control, expenses, and cost reduction, purchasing for resale, pricing of goods, retail control systems. Mid-management majors only.

MM 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
Telephone (208) 385-1570

Chairman and Professor: Glenn Potter; Professor: Button; Associate Professors: Lewis, Ritson, Vaughn; Assistant Professors: Connor, Fabelson, 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 end 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 indepth 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 239 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.

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

English Composition E 101-102
Area I Core
Area II Core
Area III Core
Area II-III Electives

PHYSICAL EDUCATION CORE REQUIREMENTS

(Required of all Graduates)

Health Education PE 100
Foundations of Physical Education PE 101
Rhythmic Skills PE 113
Tumbling Skills PE 115
Sports Skills PE 117
Advanced First Aid PE 122
Human Growth and Motor Development PE 205
Anatomical Kinesiology PE 239
Microcomputers in PE PE 284
Secondary School PE Methods PE 304
Evaluation in Physical Education PE 309
Exercise Physiology PE 310
Biomechanics PE 311
Organization and Administration PE 457

Additional required or approved elective physical education courses for each supporting field
Minimum 11
Additional required or approved elective cross-disciplinary courses for each supporting field
Minimum 11
Teacher Education Certification requirements for some areas of emphasis
21-28
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

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<td>Tumbling Skills PE 115</td>
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SOPHOMORE YEAR

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<td>Exercise Physiology PE 310</td>
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<td>Biomechanics PE 311</td>
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<td>Adolescent Psychology P 312</td>
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<td>Secondary School PE Methods PE 304</td>
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SENIOR YEAR

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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). 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). Instruction in the growth and development of recreation education and its role in present-day society. Offered odd numbered years.

PE 113 RHYTHMIC SKILLS (0-2-1). Professional activity. Instruction and practice in rhythmic skills, (locomotor, non-locomotor, and manipulative), emphasizing fundamental and practical application. Required of all PE majors.

PE 115 Tumbling Skills (0-2-1). Professional activities. Instruction and practice in tumbling skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 117 SPORTS SKILLS (0-2-1). Professional activities. Instruction and practice in sports skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 120 TRAINING ROOM PROCEDURES (0-2-1)(F/S). Instruction in actual clinical aspects of campus athletic training programs, emphasizing observation and practical application.

PE 121 STANDARD FIRST AID & CPR (1-2-1)(F/S). Instruction in and application of basic skills and the multi-media approach to first aid and CPR training.

PE 122 ADVANCED FIRST AID (3-0-3)(F/S). Instruction in wounds, shock, poisoning, heat and cold injuries, skeletal injuries, water rescue, CPR extrication, emergency child-birth and training required for policemen, firemen, and ski patrol. Required of all PE majors.

PE 123 FIRST AID INSTRUCTOR TRAINER COURSE (1-2-1)(S). Instruction in methods of teaching CPR and Standard First Aid. Offered spring on odd numbered years.

PE 143 VOLLEYBALL (0-2-1). Professional activities and practice in volleyball, emphasizing fundamentals, strategy, conditioning and practical application.

PE 144 BASKETBALL (0-2-1)(F/S). Professional activity. Instruction and practice in basketball, emphasizing fundamentals, strategy, conditioning and practical application.

PE 203 RECREATIONAL ACTIVITIES (2-0-2)(F). Materials, methods and teaching progression in recreational activities for special groups and special situations. Offered in the fall on odd numbered years.

PE 205 HUMAN GROWTH AND MOTOR DEVELOPMENT (2-0-2)(F/S). Instruction for an understanding of the existing body of knowledge regarding human growth and motor development. Required of all PE majors.

PE 212 TRACK AND FIELD (0-2-1). Professional activities. Instruction and participation in track and field events for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application.

PE 217 WRESTLING (0-2-1). Professional activities. Instruction and participation in wrestling for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application.

PE 218 RHYTHMIC GYMNASTICS (0-2-1)(F). Professional activity. Instruction and participation in rhythmic gymnastics for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application. Offered in fall 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 athletic 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 (2-0-1)(F). Instruction and participation in lifesaving skills. ARC course, including personal safety, self rescue and rescue training skills. Student must be able to swim 500 yards.

PE 283 WATER SAFETY INSTRUCTOR'S COURSE (1-3-2)(S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC WSI certificate. Must have ARC advanced lifesaving certificate and ARC swimming level of skill.

PE 284 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F/S). An introduction to the use of microcomputers in physical education and allied disciplines. The course includes BASIC programming, selection and evaluation of hardware and software, and unique computer applications for physical educators.

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. Required in some options.

PE 303 INTRAMURAL ORGANIZATION (2-0-2)(F). Instruction in organization and administration of intramural activities. Offered in the fall on odd numbered years. PREREQ: Junior standing.
PE 304 SECONDARY SCHOOL PE METHODS (2-2-3)(S). Instruction and participation in methods of teaching secondary school PE, including practical application of teaching models and theories, instructional analysis and performance objectives, lesson plans and curriculum writing. Laboratory observation and participation in public schools. PREREQ: Junior standing.


PE 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). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis and prescription. PREREQ: PE 310.

PE 319 COACHING FOOTBALL (2-2-3)(F). Instruction in methods of coaching football, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 320 COACHING WRESTLING (2-2-3)(S). Instruction in methods of coaching wrestling, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing. Offered in the spring on odd numbered years.

PE 322 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 323 COACHING VOLLEYBALL (2-2-3)(F). Instruction in methods of coaching volleyball, emphasizing fundamentals, strategy, conditioning and practical application. PREREQ: Junior standing.

PE 336 COACHING WOMEN'S GYMNASTICS (2-2-3)(F). Instruction in methods of coaching women's gymnastics emphasizing fundamentals, skill progressions, safety, conditioning and practical application. PREREQ: Junior standing, PE 115. Offered in fall on even numbered years.

PE 341 SECONDARY SCHOOL DANCE METHODS (2-0-2)(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). 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 (3-3-3)(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 367.

PE 401C PSYCHOLOGY OF ACTIVITY (3-0-3)(F). Instruction in concepts of learning, value formation, motivation, stress, personality, measurement and evaluation and practical application to skill learning. PREREQ: Junior standing. PE 310.

PE 402G ADVANCED ATHLETIC TRAINING (3-3-3)(S). Instruction in advanced theory and application of techniques of athletic training for student pursuing a career as professional athletic trainer. PREREQ: PE 236, 311. Offered in spring on odd numbered years.

PE 403 TRAINING ROOM MODALITIES (3-0-2)(F). Instruction in theory and application of various therapeutic modalities for care and treatment of athletic injuries, emphasizing cryotherapy, thermal therapy, and electrical modalities. PREREQ: Junior standing, PE 236, 311. Offered in the fall on even numbered years.

PE 405 CONSUMER HEALTH (2-0-2)(S). Instruction in factors involved in the selection and evaluation of health services and products, emphasizing quackery awareness, consumer protection laws and organizations and health insurance
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). 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, foxtrot, round dances, and mixer. (Pass/Fail).

FA 131 ARCHERY I (0-2-1). Provides 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). 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. Coordinated 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 (0-2-1S). 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 beginner 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 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 cardiorespiratory system. (Pass/Fail).

FA 164 PERSONAL FITNESS AND WEIGHT CONTROL I (0-2-1). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs. (Pass/Fail).

FA 165 WEIGHT TRAINING I (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of beginning skills and fitness. (Pass/Fail).
FA 166 YOGA AND STRESS MANAGEMENT I (0-2-1). Introduction to yoga theory, practice, and tradition; introduction to stress/distress theories; in-depth practice of Hatha Yoga postures: in-depth breath control (abdominal breath.) (Pass/Fail).

FA 171 BADMINTON I (0-2-1). Instruction and participation in badminton to encourage skill development, understanding, and appreciation of the game. (Pass/Fail).

FA 172 RACQUETBALL I (0-2-1). Instruction and participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures. (Pass/Fail).

FA 173 TENNIS I (0-2-1). Instruction and participation in tennis for development of fundamental skills, rules, and basic strategy. (Pass/Fail).

FA 181 BASKETBALL I (0-2-1). Instruction and participation in basketball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 182 SOFTBALL I (0-2-1). Instruction and participation in softball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 186 VOLLEYBALL I (0-2-1). Instruction and participation in volleyball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 190 CLUB SPORTS I (0-2-1). Instruction and participation in club sports approved by the BSU Student Senate. Club advisor's approval required. (Pass/Fail).

FA 191 VARSITY SPORTS I (0-2-1). Instruction and participation in BSU Department of Athletic's approved sports. Coach's approval required. (Pass/Fail).

FA 213 SWIMMING II (0-2-1). Instruction and participation in swimming for development of intermediate skills and techniques. (Pass/Fail).

FA 222 FOLK DANCE II (0-2-1). Instruction and participation in folk dance for development of advanced skills. (Pass/Fail).

FA 223 MODERN DANCE II (0-2-1). Instruction and participation in intermediate modern dance for development of flexibility, balance, coordination and movement, control leading to dance choreography and production work. PREREQ: FA 123 (Pass/Fail).

FA 224 SOCIAL DANCE II (0-2-1). Instruction and participation in social dance for development in the waltz, cha cha, fox trot, rhumba, tango, lindy, western swing, folk, square, and various novelty dances. (Pass/Fail).

FA 226 GYMNASTICS II (0-2-1). Instruction and participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory and optional routines. PREREQ: FA 136. (Pass/Fail).

FA 242 JUDO II (0-2-1). Instruction and participation in judo for those seeking advanced degrees. Gi required. PREREQ: FA 142 (Pass/Fail).

FA 243 KARATE II (0-2-1). Instruction and participation in karate for development of advanced skills and techniques. Gi required. PREREQ: FA 143. (Pass/Fail).

FA 244 SELF-DEFENSE II (0-2-1). Instruction and participation in advanced defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Gi required. PREREQ: FA 144. (Pass/Fail).

FA 265 WEIGHT TRAINING II (0-2-1). Instruction and participation in progressive body-building and conditioning exercise with resistance for development intermediate skills. PREREQ: FA 165. (Pass/Fail).

FA 273 TENNIS III (0-2-1). Instruction and participation in tennis for development of intermediate skills and techniques. Students furnish rackets. (Pass/Fail).

FA 281 BASKETBALL II (0-2-1). Instruction and participation in basketball for development of intermediate skills and techniques. PREREQ: FA 181. (Pass/Fail).

FA 286 VOLLEYBALL II (0-2-1). Instruction and participation in volleyball for development of intermediate skills and techniques. PREREQ: FA 186. (Pass/Fail).

FA 290 CLUB SPORTS II (0-2-1). Instruction and participation in club sports approved by BSU Student Senate. Club advisor's approval required. (Pass/Fail).

FA 291 VARSITY SPORTS II (0-2-1). Instruction and participation in BSU Department of Athletics approved sports. Coach's approval required. (Pass/Fail).

FA 313 SWIMMING III (0-2-1). Participation in swimming for development of advanced skills and techniques. Instruc tion in stroke mechanics, training program design, starts, turns, and survival swimming. PREREQ: FA 213. (Pass/Fail).

FA 353 WEIGHT TRAINING III (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of advanced skills and fitness. PREREQ: FA 265. (Pass/Fail).

FA 372 RACQUETBALL III (0-2-1). Instruction and participation in racquetball for development of advanced skills and techniques. Emphasis on doubles play and safety. Students furnish racquets. PREREQ: FA 272. (Pass/Fail).

FA 373 TENNIS III (0-2-1). Instruction and participation in advanced drills, game experience and strategy, and study of the USTA rules and code. Students will furnish their own rackets and balls. PREREQ: FA 273. (Pass/Fail).

Department of Psychology
Education Building, Room 629
Phone (208) 385-1207
Chairman and Professor: John L. Phillips, Jr.; Professors: Barnness, Dodson, Ison, Snow, Steger; Associate Professors: Chastain, Downs, Nelson, Wilkinson; Assistant Professors: Leon, Thuber; 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 "Aptitude" and "Advanced") at some time during his senior year and have the results sent to the department.

Degree Requirements

PSYCHOLOGY MAJOR
Bachelor of Arts or Bachelor of Science Degree

1. Lower Division:
   a. Psychology (see Area II below)
   b. Area A
      - Total credits ........................................... 15-18
      - English Composition ................................ 3-6
      - Core courses: ........................................ 12
Literature .................. 3
Second Area I Field ........ 3
Third Area I Field .......... 3
Any Area I Field .......... 3
Non-core Courses ............ 0
c. Area II
Total Credits ................ 18
Core Courses .................... 12
General Psychology P 101 ...... 3
History ..................... 3
Third Area II field .......... 3
Any Area II field .......... 3
Non-core courses: .............. 6
Physiological Psychology P 225 .
Introduction to Practice of Psychology P 201 .
d. Area III
Total Credits ................ 16
Core Courses .................... 12
Intermediate Algebra M 108 ...... 4
App Stat with the Computer M 120 ...... 4
Concepts of Biology B 100 ...... 4
Non-core courses .............. 4
Concepts of Human Anatomy and Physiology Z 107 .
e. Additional core courses
Any area .......................... 9
2. Upper Division
a. Psychology
Total Credits ................ 25
Statistics Methods P 305 .... 3
Experimental Design P 321 .... 4
Psychological Measurement P 421 .... 3
Learning P 441 .... 3
Systems Seminar P 489 .... 9
Electives in Psychology ....... 9
b. Electives
Total Credits ................. 15
3. Free Electives
Total Credits ................ 27-30
PSYCHOLOGY REQUIREMENTS FOR CERTIFICATION BY STATE DEPARTMENT OF EDUCATION

PSYCHOLOGY MINOR
P 101 General Psychology ........ 3
P 301 Abnormal Psychology ........ 3
P 305 Statistical Methods ........ 3
P 351 Personality ........ 3
Psychology upper-division electives ........ 9
Total .......................... 21
Social Science Secondary Education Option Major
P 101 General Psychology ........ 3
P 301 Abnormal Psychology ........ 3
P 351 Personality ........ 3
Psychology upper-division electives ........ 6
Total .......................... 15

Recommended Program

PSYCHOLOGY MAJOR

FRESHMAN YEAR

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<th>Course</th>
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<th>SEM 2</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>Concepts of Human Anat &amp; Physiol Z 107*</td>
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<td>Introduction to the Practice of Psychology P 201*</td>
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<tr>
<td>History of Western Civ., HY 101 &amp; 102</td>
<td>3</td>
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<td>General Psychology, P 101 **</td>
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<td>Area I Core Electives**</td>
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SOPHOMORE YEAR

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<tr>
<td>Literature**</td>
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<tr>
<td>Intermediate Algebra, M 108*</td>
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<td>-</td>
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<tr>
<td>Applied Stat for the Computer, M 120*</td>
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<td>-</td>
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<tr>
<td>Physiological Psychology, P 225*</td>
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<td>Area II Core Electives (E.g., AN 102, SO 101)**</td>
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<td>General Electives***</td>
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JUNIOR YEAR

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<tr>
<td>Computer Applications in Social Sciences SO 210***</td>
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<tr>
<td>Statistical Methods, P 305*</td>
<td>3</td>
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<tr>
<td>Experimental Psychology, P 321*</td>
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<tr>
<td>Adolescent Psychology, P 312</td>
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<tr>
<td>Perception, P 341</td>
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SENIOR YEAR

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<tr>
<td>Psychological Measurement, P 421*</td>
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<tr>
<td>Experimental Research P 322***</td>
<td>3</td>
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<tr>
<td>Learning, P 441*</td>
<td>3</td>
</tr>
<tr>
<td>Systems Seminar, P 489*</td>
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<tr>
<td>Upper Division Electives (Psych. or other)*</td>
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<td>General Electives***</td>
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*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.

P 151 CAREER AND LIFE PLANNING (3-0-3)(FS). Three weeks to each of the following areas: knowing self, the world of work, identifying resources, actual career planning and proposed implementation of career and life plans. Students are expected to participate through interviews, visitations and by arranging for resources pertinent to classroom activities. Pass/fail. Limited enrollment.

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)(FS). 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)(FS). A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion, and learning are studied from this point of view. PREREQ: P 101, Z 107.

P 251 PSYCHOLOGY OF ADJUSTMENT (3-0-3)(FS). 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)(FS). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual dysfunction, sex role development, and sexual deviation. Cross cultural values will be examined, and a values clarification unit will be included.

P 291 DEATH: A CONFRONTATION FOR EVERYONE (3-0-3)(F). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living.

Upper Division

NOTE: Upper Division Psychology courses are saved for Upper Division students.
P 301 ABNORMAL PSYCHOLOGY (3-0-3). A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. PREREQ: P 101.

P 305 STATISTICAL METHODS (3-0-3)(F/S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and analysis of variance. PREREQ: P 101, High School Algebra.

P 311 CHILD PSYCHOLOGY (3-0-3). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental 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 (2-4-3)(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, and 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)(S). 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 357 PEER COUNSELING: THE HELPING RELATIONSHIP (3-0-3)(F/S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. PREREQ: P 101.

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). This course will examine sex roles in our own society. Attention will be given to the development of identity and role, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101 or SO 101.

P 401 SENIOR REVIEW PRACTICUM (0-3-3)(F/S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with an upper division GPA above 3.0 and PERMISSION.

P 405 ADVANCED STATISTICAL METHODS (3-0-3). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated 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.
Department of Teacher Education

Education Building, Room 205

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 in 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 curricular and 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 in 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 I/II 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
Mathematics for Elem Teachers M 103-104 ................................ 8
Music Fundamentals MU 101 .............................................. 2
Foundations of Education TE 201 ......................................... 2
Intro to Microcomputer in Classroom TE 208 ........................................ 3
Intro to Teaching II: Instr Experience TE 271 .................................. 1
Education of the Exceptional Child TE 291 ................................ 3
Teaching Beginning Reading, K-3 TE 305 .................................. 3
Teaching Intermediate Reading, 4-6 TE 306 .................................. 3
Music Methods for the Elem School Teacher MU 371 .................. 2
Elementary School Art Methods AR 321 .................................. 2
Elementary School Physical Educ PE 361 .................................. 3
Children's Literature TE 316 .............................................. 3
Educational Psychology P 325 .............................................. 3
Child Psychology P 311 .................................................... 3
Elem Curriculum & Methods I TE 451 .................................... 6
Elem Curriculum & Methods II TE 452 ................................... 6
Classroom Management Skills TE 457 .................................... 2
Elem Student Teaching TE 471 ............................................ 5
Elem Student Teaching TE 472 OR ....................................... 5
Student Teaching in Special Edu 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 II) S 201 .................................... 4
Intermediate Spanish (Area II) 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 Eng 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
Teaching Begin Reading, K-3 TE 305 3  
Teaching Intermediate Reading, 4-6 TE 306 3  
Children's Literature TE 316 3  
Elementary School Art Methods AR 321 3  
Elementary School PE Methods PE 361 3  
Music Methods for Elementary Teachers MU 371 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  
First Semester: Block I  
Classroom Management Skills TE 457 2  
Elem Curriculum & Methods TE 451 6  
Elementary Student Teaching TE 471 5  
Second Semester: Block II  
Advanced Curriculum and Methods TE 452 6  
Elementary Student Teaching TE 472 5  
OR  
Student Teaching: Special Education TE 473 6  
Electives 6  
Total 30  

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR  
FRESHERAN YEAR  
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective Area I</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish S 201</td>
<td>4</td>
</tr>
<tr>
<td>Intermediate Spanish S 202</td>
<td>4</td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>English Composition E 101-102</td>
<td>6</td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Teaching II: Instr Exp TE 271</td>
<td>1</td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>Area I Electives: Art or Music</td>
<td>3</td>
</tr>
<tr>
<td>Area I Electives: Art or Music</td>
<td>3</td>
</tr>
<tr>
<td>Social Science: U.S. History AREA II</td>
<td>3</td>
</tr>
<tr>
<td>Area II, Geography GG 101 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Area II, Economics or Political Science</td>
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<td>Total</td>
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SOPHOMORE YEAR  
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<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Math for Elementary Teachers M 104</td>
<td>4</td>
</tr>
<tr>
<td>Survey of American Literature E 271 or 272</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Teaching II: Instr Exp TE 271</td>
<td>1</td>
</tr>
<tr>
<td>Advanced Spanish S 303-304</td>
<td>4</td>
</tr>
<tr>
<td>Elective (Area III)</td>
<td>4</td>
</tr>
<tr>
<td>United States History HY 151 or 152</td>
<td>3</td>
</tr>
<tr>
<td>Found of Teach English as 2nd Lang TE 202</td>
<td>2</td>
</tr>
<tr>
<td>Mex-Amer Tradition &amp; Culture in Elem Class TE 278</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>31</td>
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JUNIOR YEAR  
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<thead>
<tr>
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<tbody>
<tr>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td>Elementary School Art Methods AR 321</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Language Study LI 305</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Reading K-3 TE 305</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Intermediate Reading, 4-6 TE 306</td>
<td>3</td>
</tr>
<tr>
<td>Music Methods for Elem Teacher MU 371</td>
<td>2</td>
</tr>
<tr>
<td>Elective (Area III)</td>
<td>4</td>
</tr>
<tr>
<td>Child Psychology P 311</td>
<td>3</td>
</tr>
<tr>
<td>Children's Literature TE 316</td>
<td>3</td>
</tr>
<tr>
<td>Identif &amp; Diagnos of LEP Child TE 322</td>
<td>2</td>
</tr>
<tr>
<td>Elem School Physical Education PE 361</td>
<td>2</td>
</tr>
<tr>
<td>Intro to Multi-Ethnic Studies SO 230</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>34</td>
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SENIOR YEAR  
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Applied Linguistics in Teach ESL LI 407</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching ESL TE 456</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Curriculum &amp; Methods TE 451</td>
<td>6</td>
</tr>
<tr>
<td>Student Teaching in Biling Elem Class TE 474-475</td>
<td>10</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education of the Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>Technology in Special Education</td>
<td>2</td>
</tr>
<tr>
<td>Teaching in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Mildly Handicapped Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>Diagnosis of the Handicapped</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Reading and Written Expression to the Handicapped</td>
<td>3</td>
</tr>
<tr>
<td>Behavior Intervention Techniques</td>
<td>3</td>
</tr>
<tr>
<td>Classroom Management Skills</td>
<td>2</td>
</tr>
<tr>
<td>Elementary Student Teaching in Special Education</td>
<td>5</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching the Severely Handicapped</td>
<td>3</td>
</tr>
<tr>
<td>Student Teaching in Classes for the Severely Handicapped</td>
<td>5</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>Curriculum in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>Internship in Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>Creating Materials in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>Student Teaching Kindergarten</td>
<td>5</td>
</tr>
</tbody>
</table>

Electives 5 credits:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infant Education</td>
<td>3</td>
</tr>
<tr>
<td>Diagnosis of the Handicapped</td>
<td>3</td>
</tr>
<tr>
<td>Children’s Theatre</td>
<td>3</td>
</tr>
<tr>
<td>Human Growth and Motor Development</td>
<td>2</td>
</tr>
</tbody>
</table>

NOTE: This emphasis requires 21 credit hours, 5 of which (TE 361 and 472) apply to Elementary Education major.

College of Education

Students will be recommended for the Kindergarten endorsement on their elementary teaching certificate if they complete the Early Childhood Area of Emphasis.

**READING Emphasis**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required 17 credits:</td>
<td>1</td>
</tr>
<tr>
<td>Reading and Study Skills</td>
<td>2</td>
</tr>
<tr>
<td>Teaching Begin Reading K-3</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Intermediate Reading 4-6</td>
<td>3</td>
</tr>
<tr>
<td>Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>Corrective Reading</td>
<td>3</td>
</tr>
<tr>
<td>Internship in Reading</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 3 credits:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature for Young Adults</td>
<td>3</td>
</tr>
<tr>
<td>Lit for use in Jr &amp; Sr High School</td>
<td>3</td>
</tr>
</tbody>
</table>

NOTE: This emphasis requires 20 credits, 9 of which (TE 305, 306, & 316) apply to Elementary Education major.

**ART Emphasis**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required 22 credits:</td>
<td>1</td>
</tr>
<tr>
<td>Introduction to Art</td>
<td>1</td>
</tr>
<tr>
<td>Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>Drawing</td>
<td>2</td>
</tr>
<tr>
<td>Painting</td>
<td>2</td>
</tr>
<tr>
<td>Ceramics</td>
<td>2</td>
</tr>
<tr>
<td>Crafts</td>
<td>2</td>
</tr>
<tr>
<td>Elementary School Art Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Area Credits</th>
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<tbody>
<tr>
<td>Required 15 credits:</td>
<td>1</td>
</tr>
<tr>
<td>Mexican American Tradition &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of English</td>
<td>2</td>
</tr>
<tr>
<td>ESL Identif Test &amp; Stu Placement</td>
<td>3</td>
</tr>
<tr>
<td>Bilingual Methods</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Eng</td>
<td>2</td>
</tr>
<tr>
<td>Spanish</td>
<td>1</td>
</tr>
</tbody>
</table>

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

Electives 3 credits:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Multiethic Studies</td>
<td>2</td>
</tr>
<tr>
<td>Spanish for the Content Areas</td>
<td>2</td>
</tr>
<tr>
<td>History of Minorities</td>
<td>2</td>
</tr>
<tr>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

NOTE: This emphasis requires from 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 S 230 or AN 102, if elected, may apply to Area II.

**FRENCH Emphasis**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required 19 credits:</td>
<td>1</td>
</tr>
<tr>
<td>Elementary French</td>
<td>8</td>
</tr>
<tr>
<td>Intermediate French</td>
<td>1</td>
</tr>
<tr>
<td>Teaching Methodology</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 3 credits:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced French</td>
<td>3</td>
</tr>
<tr>
<td>Advanced French</td>
<td>3</td>
</tr>
<tr>
<td>La Civilisation Francophone Modern</td>
<td>3</td>
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</table>

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

**GERMAN Emphasis**

<table>
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<tr>
<th>Course Description</th>
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<tbody>
<tr>
<td>Required 19 credits:</td>
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<tr>
<td>Elementary German</td>
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<td>Intermediate German</td>
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<tr>
<td>Teaching Methodology</td>
<td>3</td>
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Electives 3 credits:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Advanced German</td>
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</tr>
<tr>
<td>Advanced German</td>
<td>3</td>
</tr>
<tr>
<td>German Culture and Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

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

**HEALTH Emphasis**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required 15 credits:</td>
<td>1</td>
</tr>
<tr>
<td>Health Education</td>
<td>3</td>
</tr>
<tr>
<td>Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>
College of Education

<table>
<thead>
<tr>
<th>Electives 8 credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Anatomy &amp; Physiology Z 107</td>
<td>4</td>
</tr>
<tr>
<td>School Health PE 415</td>
<td>3</td>
</tr>
<tr>
<td>Human Growth &amp; Motor Development PE 205</td>
<td>2</td>
</tr>
</tbody>
</table>

**LINGUISTICS** Emphasis:

<table>
<thead>
<tr>
<th>Required 21 credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Survey of American Literature E 271 or 272</td>
<td>I 3</td>
</tr>
<tr>
<td>Grammar &amp; Language Use for Teachers TE 216</td>
<td>III 3</td>
</tr>
<tr>
<td>Fundamentals of Speech Communication CM 111</td>
<td>II* 3</td>
</tr>
<tr>
<td>Speech Communication for Teachers CM 311</td>
<td>3</td>
</tr>
<tr>
<td>Children's Literature TE 316</td>
<td>3</td>
</tr>
<tr>
<td>Teaching English Composition E 301</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Language Studies LI 395</td>
<td>3</td>
</tr>
</tbody>
</table>

This emphasis requires 21 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.

**MIDDLE SCHOOL** Emphasis:

<table>
<thead>
<tr>
<th>Required 23 credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elem Math for Teachers M 103 and 104</td>
<td>8</td>
</tr>
<tr>
<td>Math for Liberal Arts Students M 100</td>
<td>4</td>
</tr>
<tr>
<td>Intermediate Algebra M 108</td>
<td>4</td>
</tr>
<tr>
<td>Algebra and Trig M 111</td>
<td>III 5</td>
</tr>
<tr>
<td>A First Course in Programming M 122</td>
<td>2</td>
</tr>
<tr>
<td>Intro to Computers M 109</td>
<td>3</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Required 14 credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Music M 133</td>
<td>I 3</td>
</tr>
<tr>
<td>Elements of Music MU 103</td>
<td>2</td>
</tr>
<tr>
<td>(In lieu of MU 101)</td>
<td></td>
</tr>
<tr>
<td>Teach Music in Elem Classroom MU 372</td>
<td>2</td>
</tr>
<tr>
<td>(In lieu of MU 371)</td>
<td></td>
</tr>
<tr>
<td>Private voice lessons (one year)</td>
<td>4</td>
</tr>
<tr>
<td>Music Ensemble (one year)</td>
<td>2</td>
</tr>
<tr>
<td>Basic Conducting MU 261</td>
<td>6</td>
</tr>
</tbody>
</table>

Electives 6 credits:

| Piano or Guitar Lessons | 6 |

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

**PHYSICAL EDUCATION** Emphasis:

<table>
<thead>
<tr>
<th>Required 12 Credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhythmic Skills PE 113</td>
<td>1</td>
</tr>
<tr>
<td>Tumbling Skills PE 115</td>
<td>1</td>
</tr>
<tr>
<td>Sports Skills PE 117</td>
<td>1</td>
</tr>
<tr>
<td>Human Growth &amp; Motor Development PE 205</td>
<td>2</td>
</tr>
<tr>
<td>Dance Now Children PE 357</td>
<td>2</td>
</tr>
<tr>
<td>Elem School P.E. Methods PE 361</td>
<td>3</td>
</tr>
<tr>
<td>Motor Prog for Special Groups PE 369</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives 8 credits:

| Health Education PE 100 | 3 |
| Nutrition H 207 | 3 |
| Human Anatomy & Physiology Z 107 | 4 |

**PHYSIOLOGY** Emphasis:

<table>
<thead>
<tr>
<th>Required 13 credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Music M 133</td>
<td>I 3</td>
</tr>
<tr>
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Electives 6 credits:

| Piano or Guitar Lessons | 6 |

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

**SOCIAL STUDIES** Emphasis:

<table>
<thead>
<tr>
<th>Required 24 credits:</th>
<th>Area Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States History HY 151-152</td>
<td>II 6</td>
</tr>
<tr>
<td>History of Western Civilization HY 101-102</td>
<td>II 6</td>
</tr>
<tr>
<td>Intro to Multi-Ethnic Studies SO 230</td>
<td>II 3</td>
</tr>
<tr>
<td>Cultural Anthropology AN 102</td>
<td>III 3</td>
</tr>
<tr>
<td>Contemporary Economic Problems EC 210</td>
<td>- 3</td>
</tr>
<tr>
<td>American National Government PO 101</td>
<td>II 3</td>
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NOTE: This emphasis requires 24 credit hours, 12 of which may apply to Area III.

**SPANISH** Emphasis:

<table>
<thead>
<tr>
<th>Required 19 credits:</th>
<th>Area Credits</th>
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<tbody>
<tr>
<td>Elementary Spanish S 101-102</td>
<td>8</td>
</tr>
<tr>
<td>Intermediate Spanish S 201-202</td>
<td>I 8</td>
</tr>
<tr>
<td>Teaching Methodology in Foram Lang FL 412</td>
<td>- 3</td>
</tr>
</tbody>
</table>

Electives 3 credits:

| Advanced Spanish S 303 | 3 |
| Advanced Spanish S 304 | |
| Cultura y Civilizacion Hispanoamericana S 377 | 3 |

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

**MIDDLE SCHOOL** Emphasis:

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Electives 3 credits:

| Advanced Spanish S 303 | 3 |
| Advanced Spanish S 304 | |
| Cultura y Civilizacion Hispanoamericana S 377 | 3 |

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

**MIDDLE SCHOOL** Emphasis:

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

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Electives 3 credits:

| Advanced Spanish S 303 | 3 |
| Advanced Spanish S 304 | |
| Cultura y Civilizacion Hispanoamericana S 377 | 3 |

NOTE: This emphasis requires 22 credit hours, 3 of which may also apply to Area I.
• 3 additional credits by taking either TE 381 Secondary School Methods, or 3 credits in special secondary methods.

French, German, and Spanish require only 3 additional credits since the special methods class, FL 412 Teaching Methodology in Foreign Language, is required in the emphasis.

Certification Requirements for Elementary Education

Students from Boise State University will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the Bachelor of Arts degree in Elementary Education or Bachelor of Arts in Bilingual Multicultural Education.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education.
3. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the Department of Teacher Education. Such approval is to be based primarily on evidence of knowledge of subject matter taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow a specialized program determined by the Department of Teacher Education.

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 the approval of the Department subject area specialization and the Department of Teacher Education. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education.

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:

<table>
<thead>
<tr>
<th>Courses</th>
<th>Single</th>
<th>Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Education TE 201</td>
<td>.3</td>
<td>3</td>
</tr>
<tr>
<td>Reading in Content Subjects TE 307</td>
<td>.3</td>
<td>3</td>
</tr>
<tr>
<td>Educating Exceptional Secondary Students TE 333</td>
<td>.1</td>
<td>1</td>
</tr>
<tr>
<td>Educational Psychology P 325</td>
<td>.3</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Methods TE 381</td>
<td>.3</td>
<td>3</td>
</tr>
<tr>
<td>Special Methods required by Major Department (varies by major)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Teaching in Junior High TE 482</td>
<td>.8</td>
<td>16</td>
</tr>
<tr>
<td>And/or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Teaching in Senior High TE 483</td>
<td>.8</td>
<td>16</td>
</tr>
<tr>
<td>Total (not including special methods)</td>
<td>.21</td>
<td>.29</td>
</tr>
</tbody>
</table>

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 her/his 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
- Introduction to Archeology AN 103
- Peoples and Cultures of the World AN 311
- Additional upper division Anthropology

Non-Social Science Major

- Physical Anthropology AN 101
- Cultural Anthropology AN 102
- Peoples and Cultures of the World AN 311
- Additional Upper division Anthropology

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## College of Education

### 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 ............................................... 2
  - Message Analysis and Criticism CM 331 ............................ 3
  - Non-Verbal Communication CM 341 ................................ 2
  - Intercultural Communication CM 351 ................................ 3

### CONSUMER EDUCATION
(See Marketing and Administrative Services Department)
- Consumer in the Marketplace HE 250 ................................ 3
- Principles of Economics EC 201-202 ................................ 6
- Personal Finance and Investments FI 108 .............................. 3
- Money and Banking EC 301 ......................................... 3
- Basic Marketing Management MK 301 ................................ 3
- Consumer Education in Schools BE 411 ............................... 3

### EARTH SCIENCE
- Physical Geology GO 101 ............................................... 4
- Historical Geology GO 103 ............................................ 4
- Introduction to Ocean Geology GO 201 ............................... 3
- Introduction to 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 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 .......... 0

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

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

#### 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 Civilization Hispanoamericano S 377 ................. 3
  - NOTE: This emphasis requires 22 credit hours, 3 of which may also apply to Area I.

### GEOGRAPHY
- Introduction to Geography GG 101 .................................. 3
- Cultural Geography GG 102 .......................................... 3
- Upper Division Geography (minimum) ................................. 6
- Geography Courses (minimum) ....................................... 8

### GENERAL SCIENCE
- Complete the basic sequence of courses in 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
- Organization & Admin of P.E. PE 457 ................................. 3
- Additional electives to be selected from the following courses with the approval of the Physical Education Department
  - First Aid Instructor Trainer Course PE 123 ........................ 1
  - Human Sexuality P 261 ............................................. 3
  - Abnormal Psychology P 301 ........................................ 3
  - Drugs, Use and Abuse H 109 ....................................... 2
  - Health Delivery Systems H 302 .................................... 3

### 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
- Organization & Admin of P.E. PE 457 ................................. 3
- Additional electives to be selected from the following courses with the approval of the Physical Education Department
  - First Aid Instructor Trainer Course PE 123 ........................ 1
  - Human Sexuality P 261 ............................................. 3
  - Abnormal Psychology P 301 ........................................ 3
  - Drugs, Use and Abuse H 109 ....................................... 2
  - Health Delivery Systems H 302 .................................... 3
### HISTORY

| Lower Division | 12 |
| US History HY 151-152 or Prob in US History HY 251-252 | 6 |
| West Civ HY 101-102 or Prob in West Civ HY 201-202 | 3 |
| American Government (State-Required) | 3 |

Upper Division Courses to include 3 credit hours of US History with remaining 9 credit hours selected from 2 or 3 major History areas (U.S., European, Third World). 12

### MATHEMATICS

| Programming Languages M 122 or M 126 | 2-3 |
| Calculus M 204 or M 211 | 2 |
| Calculus M 205 or M 212 | 4-5 |
| At least 1 of the following | 3-4 |

| Linear Algebra M 301 | 4 |
| Introduction to Abstract Algebra M 302 | 3 |
| Foundations of Geometry M 311 | 3 |
| Fundamentals of Statistics M 361 | 4 |

Electives to complete 20 hours 6-3

### MUSIC

#### Instrumental Track

| Materials of Music MU 119-120 | 8 |
| Ear Training MU 121-122 | 2 |
| Introduction to Music MU 133 | 3 |
| Basic Conducting MU 261 | 1 |
| Orientation to Music Education MU 271 | 1 |
| 1 year Applied Music | 1 |
| 1 year Major Performance Ensembles | 1 |
| 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) | 1 |
| 1 year Performance Ensembles | 2 |
| 1 year Applied Music (Vocal 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
- Health Education PE 100
- Standard First Aid & CPR PE 121
- Foundations of Physical Education PE 101
- Rhythmic Skills PE 113
- Tumbling Skills PE 115
- Sports Skills PE 117
- Standard First Aid & CPR PE 121
- Secondary School P.E. Methods PE 304

Elementary School P.E. Methods PE 361

Coaching Methods PE 3-

Internship in P.E. PE 493

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.

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

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FR FRENCH
NOTE: Most French Courses require a lab fee.

Lower Division

F 101-102 ELEMENTARY FRENCH (4-1-4)F/S. These two courses provide the opportunity to develop functional competency in understanding, reading, writing, and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, conversation lab, and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 101-P 102-P PROGRAMMED ELEMENTARY FRENCH (V-V-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 (4-1-4)F/S(Area I). These courses provide the environment to acquire comprehension 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 structural context 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 unabridged works of great French authors, all genres, between 1715 to 1939, with emphasis on prose. May be repeated once for credit. PREREQ: F 202 or equivalent. Alternate years.

F 359 LES GRANDES OEUVRES CONTEMPORAINES (3-0-3). Representative unabridged selections of the works of major authors and thinkers of France and the French speaking world since the beginning of the Second World War; for example, Amue, Beckett, Sartre, Camus, Levy-Strauss and Chardin among others. PREREQ: F 202 or equivalent. Alternate years.

F 376 LA CIVILISATION FRANCAISE HISTORIQUE (3-0-3). Studies in the development and expansion of French culture from pre-history to the French Revolution: history, politics, art, geography, literature, music and science; assessment of the contribution of French civilization to the Western World. PREREQ: F 202 or PERM/DEPT. Alternate years.

F 377 LA CIVILISATION FRANCOPHONE MODERNE (3-0-3). Studies in modern French civilization since the end of the “ancien regime,” the French Revolution; history, politics, art, geography, literature, music and science: assessment of France’s contribution to the modern democracies. PREREQ: F 202 or PERM/DEPT. Alternate years.

G GERMAN
NOTE: Most German Courses require a lab fee.

Lower Division

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

G 101-P 102-P PROGRAMMED ELEMENTARY GERMAN (V-V-V). Self-paced course; programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student’s pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

G 201-202 INTERMEDIATE GERMAN (4-1-4)Area B. A continuation of G 101-12, this course emphasizes listening, speaking, reading and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections and writing assignments. PREREQ: G 102 or equivalent as determined by placement examination and consultation.

Upper Division

G 303 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Practice towards idiomatic fluency. Readings from newspapers, magazines, essays, discussion of slides, tapes, and films. Frequent writing required. PREREQ: G 202 or equivalent as determined by placement exam and consultation. Alternate years.

G 304 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3). Similar goals and format to G 303. More extended writing assignments. PREREQ: G 202 or equivalent as determined by placement exam and consultation. Alternate years.

G 331 INTRODUCTION TO GERMAN LITERATURE AND LITERARY STUDIES (3-0-3)(F). Major writers and periods provide samples from various genres and an overview of German literary development. The course is intended to provide introduction 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). Functional and theoretical application of linguistic theory to foreign language teaching and learning practices. Analysis of ways in which traditional, descriptive, and transformational models deal with phonology, morphology and syntax. PREREQ: F 103 and minimum of six credits upper division German and/or inservice teaching and/or equivalency as determined by placement test and interview. Alternate years.

G 415 AUFRKLARUNG UND DER STURM UND DRANG (18TH CENTURY) (3-0-3). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the “Storm and Stress.” Selections from Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller, etc. PREREQ: G 202 or PERM/INST. Alternate years.

G 425 DER TRAUM DER ANTIKE UND DIE TRAUMWELT (1700-1830)(3-0-3). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 435 REAKTlON: LIBERAL UNO KONSERVATIV (19TH CENTURY) (3-0-3). Selections from a wide cross-section of 19th century German Literature: Buchner, the “Young Germans”, Grillparzer, Hebbel, Gotthelf, Keller, Stifter, Storm, C.F. Meyer and others PREREQ: G 331 or PERM/INST. Alternate years.

G 445 DIE MODERNE ZEIT BEGINNT (1890-1945)(3-0-3). “ism’s,” trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden, Literature and Exile Literature. PREREQ: G 331 or PERM/INST. Alternate years.

G 455 “AL’S 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. Austion, East German, Swiss and West German writers. PREREQ: G 331 or PERM/INST. Alternate years.

G 465 BITTER UND BAUER, GOTT UNO 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 GRreek
NOTE: Most Greek Courses require a lab fee.

Lower Division

G 101-102 GREK LANGUAGE & LITERATURE (3-0-3). An introductory course providing the student with a basic knowledge of the forms and syntax of the language, with reading exercises and passages excerpted from ancient authors. Translation and analysis of extended 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 classical Latin, and a basic knowledge of ancient Roman literature. The vocabulary, forms and syntax of Latin are emphasized with passages excerpted from Latin authors. Ethyological 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)(F/S). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library, in particular. Designed for incoming students who are not familiar with an academic library and for returning students who have had difficulty using the college library in the past.

LS 103 LIBRARY SKILLS II (0-2-1). Build on LS 102 Library Skills I and introduces additional and more sophisticated library materials and techniques. PREREQ: Prior or concurrent enrollment in LS 102.

LS 201 INTRODUCTION TO THE USE OF LIBRARIES AND THE TEACHING OF LIBRARY SKILLS (2-2-3)(SU). Teaches efficient use of library materials, catalogs, indexes, and reference sources in various subject fields and prepares teachers and librarians to teach library skills to elementary and secondary school students.

Upper Division

LS 301 LIBRARY ORGANIZATION AND ADMINISTRATION (3-0-3)(F/SU) (Every third fall: 1985, 1988 ••• every third spring 1984, 1987 ••• ). 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.


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 A). Intended to further develop Spanish language skills, both oral and written. Intensive review of fundamental structures of language and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic countries. PREREQ: S 102 or equivalent as determined by placement examination and consultation.

S 203 SPANISH FOR THE NATIVE SPEAKER (4-0-4). A course designed especially for students with native speaking ability but insufficient formal training in gram-

mar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202. PREREQ: S 201 or equivalent as determined by the placement test. Course conducted in Spanish. Alternate years.

Upper Division

S 303 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Expands facility in expressive conversation as well as accuracy in writing Spanish. 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 311 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 explication, interpretation and criticism, using as models some of the major works of Hispanic literature. PREREQ: S 202 or equivalent as determined by placement examination and consultation.

S 377 CULTURA Y CIVILIZACION HISPANOAMERICANA (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the 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 on close, style, vocabulary building, 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 465 LITERATURE ESPAÑOLA MEDIEVAL Y RENACENTISTA (3-0-3). An introduction to the principal authors, works, movements and periods of Spanish literature, from its beginnings to the end of the 15th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 475 EVENTOS CONTEMPORANEOS DE MÉXICO Y PAÍSES HISPÁNOHABLANTES (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 this people in their respective countries today. PREREQ: S 376 or S 379 or S 384 or PERM/INST.

S 498 SENIOR SEMINAR (3-0-3). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors with Liberal Arts emphasis. PREREQ: Senior standing or PERM/INST.

TE TEACHER EDUCATION

Lower Division

TE 108 EFFICIENT READING AND EFFECTIVE STUDY SKILLS (2-0-2/F). Develops the 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/SSU) (Area II). A general introduction to the profession of teaching. Students will be introduced to the ethical, social, cultural, psychological, and philosophical 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). This course introduces students to the use of microcomputers in education. Students will study the BASIC computer language, terminology and concepts. Students will explore considerations in selecting hardware; become critical consumers of software; and explore the possibilities and limitations of computer assisted instruction in the classroom. $10.00 lab fee.

TE 216 GRAMMAR AND LANGUAGE USAGE FOR TEACHERS (3-0-3). This course will provide instruction in the content of the English language arts curriculum generally taught in grades 4-8. Students will study the developmental sequence of grammar, punctuation, spelling, and language study appropriate to each grade level. The course will also include an introduction to writing instruction.

TE 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 Mexican-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/SSU). The course shall provide students, through class presentation, visitsations, and readings, an opportunity to develop knowledge and skills related to the education of the exceptional child. All categories of exceptionality shall be explored as to their educational and psychological implications. Legal requirements, community resources and instructional needs will be included. PREREQ: ED 101 and TE 171.

Upper Division

TE 305 TEACHING BEGINNING READING, K-3 (3-0-3/SSU). 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/SSU). Prospective teachers will learn how to teach reading in grades 4-6. Different groupings, 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/SSU). This course provides an understanding of reading as a communication skill, and stresses the responsibility of teachers to teach the vocabulary of their specific discipline. It focuses upon the commonality of reading and study skills and the application of appropriate skills to the various content fields.

TE 316 CHILDREN'S LITERATURE (3-0-3/F). 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). 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). This 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). 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 MILDBY HANDICAPPED ADOLESCENTS (3-0-3). Five topical areas related specifically to mildly handicapped adolescents will be examined. These areas 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). 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, slides, graphs, charts, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in operating the equipment involved.

TE 358 CORRECTIVE READING (3-0-3/SSU). 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). The influence of the home and school environments will be examined in relation to child behavior. Social 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: PSY 101.

TE 362 CURRICULUM IN EARLY CHILDHOOD EDUCATION (3-0-3). The preschool-primary curriculum will be examined in relation to readiness and academic skill development. An understanding of effective communications and conferencing 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). This course provides the theoretical and practical background for science instruction at the sec-
Teaching English as a Second Language (3-0-3)(FL/SL). This course acquaints future teachers with a variety of approaches and methodologies in teaching English as a second language, including the Auditory/Oral, Cognitioanl Response, Silent Way approaches, etc. Individualized instruction, small group instruction and learning centers are major areas of discussion. Prerequisite: TE 221, 322.

Teaching Classroom Management Skills (2-0-2)(FL). 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. Prerequisite: P 311, P 325.

Infant Education (3-0-3)(SU). Odd-numbered years. The physical, social, emotional, and intellectual development of the infant—age birth to three—will be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development.

Creating Materials in Early Childhood Education (3-0-3)(FL/SL). 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 the individual children's needs. Students will try out and evaluate materials with children. Students will be expected to supply some of the materials.

Elementary Student Teaching (0-20-5)(FL/SU). Observation and supervised teaching. Prerequisite: Approval of application for student teaching. Graded pass/fail.

Elementary Student Teaching (0-20-5)(FL/SU). Observation and supervised teaching. Prerequisite: Approval of application for student teaching. Graded pass/fail.

Elementary Student Teaching in Special Education (0-20-5)(FL/SU). Supervised teaching in a resource or self-contained special education classroom. Prerequisite: Required course work in special education and approval for placement in a special education setting. Graded pass/fail.

Elementary Student Teaching in the Bilingual Classroom (0-20-5)(FL/SU). 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. Prerequisite: S 202, TE 453, TE 454. Graded pass/fail.

Elementary Student Teaching in the Bilingual Classroom (0-20-5)(FL/SU). 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. Prerequisite: S 202, TE 453, TE 454. Graded pass/fail.

Elementary Student Teaching in Classes for the Severely Handicapped (0-20-5)(FL/SU). 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. Prerequisite: TE 423, 473.

Elementary Student Teaching—Specialty Area (0-30-6) or (0-30-6)(FL/SU). The course is designed 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. Prerequisite: Admission to student teaching.

Junior High/Middle School Student Teaching (0-14-6)(FL/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. Prerequisite: Prior acceptance to student teaching; TE 201, 381. Corequisite: TE 486. Graded pass/fail.

Senior High/Student Teaching (0-14-6)(FL/SU). 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. Prerequisite: Prior acceptance to student teaching; TE 201, 381. Corequisite: TE 487. Graded pass/fail.

Junior High/Middle School Student Teaching—Composite (0-10-6)(FL/SU). 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. Prerequisite: Prior acceptance for student teaching; TE 201, 381. Corequisite: TE 485. 465. 487. Graded pass/fail.

Senior High School Student Teaching—Composite (0-10-6)(FL/SU). 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.
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, cur-
ricula, 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, curricu-
a, 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 stu-
dent teaching experiences. PREREQ: TE 201, 381. COREQ: TE 483 or 485.

TE 489 SEMINAR: CONFLICT IN THE EDUCATIONAL SYSTEM (2-0-2). An inter-
disciplinary social science approach to practical educational considerations raised
by authority, communication, culture, language, social stratification, personality
differences, and other sources of conflict in education.

Graduate
(See Graduate School Section for Course descriptions)

TE 501 ADVANCED PRACTICES AND PRINCIPLES OF TEACHING READING
(3-0-3)(F/S/SU).

TE 502 DIAGNOSIS OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE
READING CENTER) (3-0-3)(F/S/U).

TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE

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)(S).

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)(S).

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)(S).

TE 513 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY
SCIENCE (3-0-3)(S).

TE 514 COUNSELING SKILLS FOR EDUCATORS (3-1-3)(S).

TE 515 TEACHING SKILLS FOR REMEDIATION OF LEARNING DISABLED
STUDENTS (3-0-3)(S).

TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S).

TE 517 DEVELOPMENT OF SKILLS FOR TEACHING MODERATELY/SEVERELY HAN-
DICAPPED (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 521 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)(S).

TE 546 EARLY CHILDHOOD: ENVIRONMENTS AND PROGRAMS (3-0-3)(S).

TE 547 EARLY CHILDHOOD: LANGUAGE ACQUISITION AND DEVELOPMENT
(3-0-3)(S).

TE 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH FOR TEACHERS (3-0-3)(S).

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 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(S).

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT THROUGH READING (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 590 PRACTICUM (V-V-V).

TE 591 PROJECT (V-V-V).

TE 593 THESIS (V-V-V).
The College of Health Science is organized and dedicated to provide a stimulating and challenging milieu in which students can gain the professional, technical, and liberal arts foundation to prepare them for life-long service and training.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. Preprofessional coursework and counseling are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The school also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners.

Faculty of the school not only have the required academic degrees but are also registered or certified as practitioners in the areas in which they teach. Hospitals, clinics, government agencies, and a variety of health care practitioners afford the necessary patients, professional support and clinical facilities which are required to complement the classes and laboratories at the university.

Cooperating Agencies

- Boise Samaritan Village, Boise, Idaho
- 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
Department of Community and Environmental Health

Science Building, Room 110
Telephone (208) 385-3929

Chairman and Associate Professor: Eldon Edmundson; Associate Professor: Long.

Degrees Offered
- BS in Environmental Health
- BS in Health Science Studies
- Non-degree Program in Pre-Dietetics

Department Statement
Students in this Department study general aspects of human health which are affected by personal, social, and environmental conditions and interaction. Personal health conditions, the interrelationships between personal health and environmental conditions, and existing and future community health programs are all considered.

Career opportunities for graduates are as follows:
- Environmental Health
  - Employment with public health agencies
  - Employment with industries
  - Employment with local planning and zoning agencies
  - Attend graduate school in various science disciplines
  - Attend a professional school in Medicine or other health discipline
- General Health Science Studies
  - Employment with public health planning agencies
  - Attend a graduate school in various science disciplines
  - Attend a health professional school in Medicine or other health discipline
  - Attend Medical or Medical Technology school.
  - Employment with pharmaceutical companies.
  - Employment with community clinics and hospitals.

Faculty in the department also advise students who are interested in a health care career but have not yet decided which discipline to enter. The Department of Community and Environmental Health is affiliated with local, state and federal health agencies throughout the State in order to provide field training.

Special Information for Students

Environmental Health
Advisors: Edmundson, Small

Environmental Health Specialists play an important role in assisting communities to ensure a healthful environment. Specific activities may include helping private businesses and public agencies maintain sanitary conditions in food establishments, in recreational facilities, and in public and private water supplies. Other activities may include assisting communities in properly disposing of toxic and other wastes, pest control, minimizing community air, water, and noise pollution, and assisting businesses in promoting safe and healthful working conditions.

The Environmental Health curriculum provides a broad background in understanding public health problems and in working with people effectively to arrive at solutions to these problems. During the first two years students take general college education courses. These may be taken at BSU or at other accredited 2 or 4-year colleges or universities, with transfer to BSU for the junior and senior years. Students must also spend twenty hours with environmental health agencies prior to beginning their upper level Environmental Health courses. The upper division student must complete an internship with public health agencies.

Health Science Studies
Advisors: Edmundson, Long, Poshek.

The Bachelor of Science degree in Health Science Studies provides a curriculum for students who wish to gain an education in Health Science Studies as a foundation for additional professional or graduate work in several health science professions. (For example: Medicine, Dentistry, Hospital Administration, Medical Technology). Employment with public health agencies or institutions is also an option. Undecided Health Science majors can use the curriculum to obtain the beginning courses until they decide on a major. Those students should work closely with their advisor to ensure that proper beginning courses are taken to meet these other degree requirements.

Pre-Dietetics Program
Advisor: Long

Boise State University does not offer a Bachelor of Science degree in Dietetics. However, Boise State University faculty will advise students who want to take the basic courses at Boise State and transfer to another
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 S101 ................................................................ 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 ......................................... 4
     - Applied & Environmental Microbiology B 415 .................. 4
     - Environmental Health Practicum EH 160 ......................... 4
     - Health Sciences (24 credits):
       - Water Supply and Water Quality Management EH 310 .... 3
       - Air Quality Management EH 380 ..................................... 2
       - Community Environmental Health Management EH 320 .... 3
       - Public Health Administration H 304 ............................ 3
       - Public Health Law H 435 .............................................. 2
       - Internship EH 493 .......................................................... 4
       - Occupational Safety & Health EH 415 ............................ 3
       - Epidemiology H 480 ........................................................ 3
       - Environmental Health Practicum EH 160 ......................... 1
       - Other (6 credits):
         - Technical Writing E 202 ............................................. 3
         - Communication, Sociology or Psychology Elective .......... 3

3. Suggested Electives (11 credits):
   - Pathogenic Bacteriology B 310 .......................................... 4
   - Human Physiology Z 401 .................................................. 4
   - Economics EC 201 ........................................................... 4
   - Biocology B 423 ............................................................... 4
   - Pathology B 412 ................................................................ 4
   - Management & Organizational Theory MC 301 ................. 3
   - Physical Geology GO 101 ................................................... 4
   - State & Local Government PO 102 .................................... 3
   - Statistics M 361 ................................................................ 3
   - American National Government PO 101 ........................... 3
   - Intro Information Sciences IS 210 ...................................... 3
   - Environmental Health Seminar H 498 ................................ 1
   - Communication in the Small Group CM 215 ...................... 3

**HEALTH SCIENCE STUDIES**

**Bachelor of Science Degree**

1. Requirements (79 credits):
   - English Composition E 101-102 ........................................... 6
   - Area I Core Requirements ................................................ 12
   - Area II Core Requirements ............................................... 12
   - *Mathematics M 111 ......................................................... 5
   - College Chemistry C 131-134 .......................................... 9
   - *Organic Chemistry with Laboratory C 317, 319 .................. 5
   - Biochemistry with Laboratory C 431-432 ......................... 4
   - General Zoology Z 130 ..................................................... 5
   - General Botany BT 130 .................................................... 4
   - Cell Biology B 301 ............................................................ 3
   - Bacteriology B 303 ............................................................ 3
   - Immunology B 420 ............................................................ 3
   - Physiology Z 401 or 409 ................................................... 4
   - Health Delivery Systems H 202 ........................................ 3

2. Science Electives (6 courses, 22-23 credits)
   - General Physics PH 101-102 .............................................. 8
   - Biophysics PH 207 ............................................................. 4

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**Recommended Programs**

**ENVIRONMENTAL HEALTH**

**FRESHMAN YEAR**

**SEM**  |  **SEM**
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**1st**

- English Composition E 101-102 ........................................... 6
- College Chemistry C 131-134 ........................................... 9
- Mathematics M 111 .......................................................... 5
- Electives (Area I) ......................................................... 3

**2nd**

- Health Science Practicum EH 160 ...................................... 4
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

**SOPHOMORE YEAR**

**SEM**  |  **SEM**
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**1st**

- Botany BT 130 ............................................................... 4
- Zoology Z 130 ................................................................. 5
- Physics PH 101-102 ....................................................... 4
- Technical Writing E 202 ............................................. 3
- Speech CM 111 ............................................................... 3
- Electives (Area I) ......................................................... 3
- Psychology P 101 ........................................................... 3
- Sociology SO 101 ............................................................ 3
- Environmental Health Practicum EH 160 ......................... 1

**2nd**

- Pathogenic Bacteriology B 310 .......................................... 4
- Human Physiology Z 401 .................................................. 4
- General Zoology Z 130 ..................................................... 5
- Health Science Practicum EH 160 ...................................... 4
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

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**JUNIOR YEAR**

**SEM**  |  **SEM**
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**1st**

- Organic Chemistry C 318-319 .......................................... 5
- Electives ............................................................................ 5
- Health Science Practicum EH 160 ...................................... 6
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

**2nd**

- Pathogenic Bacteriology B 310 .......................................... 5
- Human Physiology Z 401 .................................................. 5
- General Zoology Z 130 ..................................................... 5
- Health Science Practicum EH 160 ...................................... 5
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

**SENIOR YEAR**

**SEM**  |  **SEM**
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**1st**

- Bacteriology B 303 .......................................................... 5
- Applied and Environmental Microbiology B 415 .................. 4
- Health Science Practicum EH 160 ...................................... 4
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

**2nd**

- Pathogenic Bacteriology B 310 .......................................... 5
- Human Physiology Z 401 .................................................. 5
- General Zoology Z 130 ..................................................... 5
- Health Science Practicum EH 160 ...................................... 5
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

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**HEALTH SCIENCE STUDIES**

**FRESHMAN YEAR**

**SEM**  |  **SEM**
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**1st**

- English Composition E 101-102 ........................................... 6
- College Chemistry C 131-134 ........................................... 9
- Mathematics M 111 .......................................................... 5
- Electives (Area I) ......................................................... 3

**2nd**

- Health Science Practicum EH 160 ...................................... 4
- Other (6 credits):
  - Technical Writing E 202 ............................................. 3
  - Communication, Sociology or Psychology Elective .......... 3

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College of Health Science

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

SOPHOMORE YEAR
Botany BT 130 .................................. 4 -
Zoology Z 130 .................................. - 5
Science Elective .................................. 4 4
Health Delivery Systems H 202 ....... 3 -
Electives (Area I) ................................. 3 3
Electives (Area II) ................................. 3 6

JUNIOR YEAR
Organic Chemistry C 317-320 ........ 5 5
Free Electives ................................... 3 3
Health Science Electives ................... 3 3
Cell Biology B 301 ................................ - 3
Science Electives (Area III) ......... 3 3

SENIOR YEAR
Bacteriology B 303 ................................ 5 -
Physiology Z 401 or 409 ................. - 4
Science Electives ................................ 7 3
Health Science Elective ..................... - 3
Immunology B 420 .............................. 3 -
Free Electives ................................... 7 -

PRE-DIETETICS PROGRAM

FRESHMAN YEAR
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 -
Sociology SO 101 .................................. 3 -
Area I Elective .................................. 3 -

SOPHOMORE YEAR
Nutrition H 207 .................................. 3 -
Principles of Food Preparation H 209 .... 4 -
Math M 108 ........................................ 4 -
Microbiology B 205 ............................. 3 -
Technical Writing E 202 ..................... 3 -
Cultural Anthropology AN 102 ........... 3 -
A First Course in Programming M 122 ...... 3 -
Economics EC 201 or 202 ............... 3 -
Statistics DS 207 .................................. 3 -
Sociology of the Family SO 340 ........... 3 -

Course Offerings

EH ENVIRONMENTAL HEALTH

Lower Division
EH 145 OCCUPATIONAL SAFETY AND HEALTH (2-3-3S). 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 (1-4-3S). 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 (3-0-3S). 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 (3-0-3S). 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 (3-0-3S). 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 (3-0-3S). 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 (3-0-3S). 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 (2-4-4S). 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 Core H 207. Odd-numbered years.

H 211-212 DISEASE CONDITIONS I AND II (3-0-3S). 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 (2-0-2S). 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 (1-0-1S/F). 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 (4-0-4S). 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 (3-0-3S). 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 (3-0-3S). 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 prerequisitive 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 (2-3-3S). Interdisciplinary course in basic laboratory procedures used in a primary care setting. Clinical significance of tests in relation to disease processes is stressed. Lectures/practical instruction in lab enable students to learn accurate techniques and become clinically competent to perform and interpret selected laboratory procedures. PREREQ: H 300, PERM/INST.
H 313 HUMAN SEXUALITY FOR HEALTH PROFESSIONALS (3-0-3)(F). For students in variety of health related areas. Emphasis on biological, sociological aspects of sexuality. Value systems examined in relation to delivery of effective, holistic health care by individual providers and by the total health care delivery system. PREREQ: Health-related professionals or PERM/INST. Even-numbered years.

H 405 MEDICAL ECONOMICS AND FINANCE (3-0-3)(S). Introduction to the economics and financing of health care and health care agencies. Odd-numbered years.

H 406 PRINCIPLES OF EDUCATION IN HEALTH SCIENCES (3-0-3)(S). Introduces the student to the concepts and practical applications of educational theory as applied to health occupations. The techniques of the course will examine preservice health education, inservice education, continuing education, and community health education.

H 435 PUBLIC HEALTH LAW (2-0-2)(S). A study of public health legislation, including the implementation and enforcement of such laws, and specific duties of agencies regarding selected sections of the law. PREREQ: Upper division standing or PERM/INST. Odd-numbered years.

H 480 EPIDEMIOLOGY (3-0-3)(S). Study of the distribution of disease or physiological conditions of humans, and of factors which influence this distribution. PREREQ: Upper division status, health science major or PERM/INST; statistics desirable. Even-numbered years.

H 493 PREPROFESSIONAL INTERNSHIP (1-3-2)(F/S). Three hours of internship in a clinical setting under direction of a preceptor who is a practicing professional. Student keeps a record of experiences and discusses them at a weekly one-hour seminar. PREREQ: H 202; Upper division standing, cumulative GPA above 3.25; recommendation of faculty advisor; consent of instructor.

H 498 ENVIRONMENTAL HEALTH SEMINAR (1-0-1)(F/S). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

## Department of Medical Record Science

### 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 administration and research, transcribing medical reports and abstracting data for medical care evaluation studies. In addition, students receive training in medical record departments of area health facilities. Students are responsible for their own transportation from BSU to the clinical agencies.

An Associate of Science degree is offered.

The program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in collaboration with the American Medical Record Association.

Graduates of the program are eligible to write the national accreditation examination, and upon successful completion of this examination are recognized as Accredited Record Technicians (ART).

### Department Admission Requirements

Any student who fulfills the university entrance requirements is eligible to enter the first semester of the program.

To continue in the program, students must:

1. Complete the first semester with a GPA of 2.00 or higher.
2. Make an appointment for an interview with the program director before 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

<table>
<thead>
<tr>
<th>Associate of Science Degree</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<td>Introduction to Medical Records MR 115</td>
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<td>Health Data MR 205</td>
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<td>SOPHOMORE YEAR</td>
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<td>Health Delivery Systems H 202</td>
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<td>Introduction to Health Law &amp; Ethics H 213</td>
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<td>Area II Core Elective</td>
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<td>Medical Records II MR 203-204</td>
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<td>Health Record Transcription MR 209</td>
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<tr>
<td>Disease Conditions II H 212</td>
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<tr>
<td>Introduction to Information Science IS 210 OR</td>
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<td>First Course in Programming M 122</td>
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</table>

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.

### 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(S). 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 II 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(S). Principles and practice in coding diseases and operations according to International Classification. Other systems of coding and methods of indexing included. PREREQ: PERM/INST.

MR 209 HEALTH RECORD TRANSCRIPTION (0-4-2(S). Machine transcription of medical dictation. Typing ability is required. PREREQ: H 101.

MR 215 CLINICAL PRACTICE (0-2-V). 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, Otterness, 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 standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum includes courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Content is focused on the identified health needs of all individuals. A planned program of clinical practicum in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

Advisement: The Associate of Science Degree may be completed in 4 semesters. However, students' needs and goals may indicate a 3 year approach to the program. Advisement, therefore, is essential and it is the student's responsibility to seek faculty assistance.

Admission Requirements

Students enter the Associate Degree Nursing Program in the fall semester. The number of students admitted each year depends upon the availability of personnel and clinical resources in the community.

Applicants must meet the general University requirements as well as the stated requirements for the Associate Degree Nursing Program in one of the four categories listed below:

1. High school graduates will be considered for admission on the basis of ACT or SAT scores and a GPA of 2.50 or above at the completion of the 7th semester of high school.

   ACT—A composite standard score of not less than 20.
   OR
   SAT—Total score of at least 888.

2. College students who have earned a minimum of 12 semester college credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.50 GPA or better earned in those college courses, provided the applicant has earned a grade of "C" or better in any general education course required in the Associate Degree Nursing Program.

3. Transfer students from other collegiate (AD or BS) schools of nursing to the Associate Degree Nursing Program at BSU are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in paragraphs 1 and 2 above. In addition, a recommendation from the applicant's previous school of nursing is required. Admission is always dependent upon availability of space in the courses the applicant needs for completion of the program.

4. Licensed practical nurses and students transferring from diploma schools of nursing may apply for advanced placement as sophomore nursing students by meeting the following criteria:
   a. submit an official record of practical nursing education,
   b. submit current evidence of licensure (L.P.N.),
   c. complete N 114, Orientation to Associate Degree Nursing, during the spring semester of the year prior to the year of planned enrollment in the sophomore nursing courses,
   d. complete all freshman general education courses which are prerequisites to sophomore nursing courses, with a GPA of 2.50 or better, as well as a grade of "C" or better in any general education course required in the Associate Degree Nursing Program.
   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.

*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 licensure 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Microbiology</td>
<td>3.4</td>
</tr>
<tr>
<td>Nutrition</td>
<td>3.3</td>
</tr>
<tr>
<td>Area II Core courses</td>
<td>4.6</td>
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<tr>
<td>Chemistry</td>
<td>8</td>
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</table>

4. 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:

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### Degree Requirements

#### Associate of Science Degree

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Details</th>
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<td>FIRST YEAR</td>
<td><em>Essentials of Chemistry C 107-108</em></td>
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<td><em>Nutrition H 207</em></td>
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<td><em>Human Anatomy &amp; Physiology Z 111-112</em></td>
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<td></td>
<td><em>General Psychology P 101</em></td>
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<td>Fundamentals of Nursing N 100-102</td>
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<td><em>English Composition E 101</em></td>
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<td>SECOND YEAR</td>
<td>Microbiology B 205</td>
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<td>English Composition E 102</td>
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<td></td>
<td>Introduction to Sociology SO 101</td>
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<td></td>
<td>Elective</td>
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<td>Nursing Intervention I &amp; II N 200-202</td>
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<tr>
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<td>THIRD YEAR</td>
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<td>Leadership &amp; Professional Interactions N 308</td>
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<td>Practicum: Leadership and Professional Interactions</td>
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### Course Offerings

#### N Nursing

**Lower Division**

N 100 FUNDAMENTALS OF NURSING I (3-9-40). 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). Builds upon concepts presented in N 100. Focus: methods of assisting patients/families adapt to stresses...
of illness and/or surgery. Exploration of concepts which apply to individuals at various points on health/wellness continuum. Clinical learning experiences assist student in planning and implementing measures to help patients progress toward wellness. PREREQ: N 100.

N 114 ORIENTATION TO ASSOCIATE DEGREE NURSING FOR ADVANCE PLACEMENT STUDENT (1-0-1)(S). Designed to assist the student in transition from one role in nursing to another. Content focuses upon basic nursing concepts, the role of the associate degree nurse, and challenge procedures for advanced placement.

N 200 NURSING INTERVENTION I (4-15-9)(F). Provides for continued development of concepts presented in first year courses. Focus is two-fold: assisting patients and families to adapt to changes in life-style or problems resulting from disordered communication. Clinical learning experiences assist student in providing interventions for families and individuals with increasingly complex health problems. PREREQ: N 102.

N 202 NURSING INTERVENTION II (4-18-10)(S). Continues development of concepts acquired in previous courses and completes student's socialization to associate degree nursing. Focus on application of concepts to assist patient/families in adapting to complex or life-threatening situations. Clinical learning experiences require student to become more self-directed and flexible in application of concepts to patient care. PREREQ: N 200.

Upper Division


N 308 LEADERSHIP AND PROFESSIONAL INTERACTIONS (2-0-2)(F). The leadership process 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)(D). 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, 368.


N 392 INTRODUCTION TO NURSING RESEARCH (3-0-3)(S). Research process as applied in health care research. Emphasis on defining researchable problems, conceptualizing research design, and analyzing steps in the research process. Critical review of research articles to evaluate findings for application to nursing practice. PREREQ: N 302 or 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 on 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. PRE- or COREQ: N 408.


Department of Preprofessional Studies

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-Optometrist
- 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-Dental Hygiene, pre-Occupational Therapy, pre-Optometry, pre-Pharmacy, pre-Physical Therapy, pre-Veterinary Medicine, pre-Chiropractic, or Medical Technology.

In view of the specialized nature of each program the student should seek regular counsel from the advisor who has been designated for his or her major field of interest. A handbook for Preprofessional studies 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. Deadlines for applying to professional schools vary from year to year. The student is responsible for determining the specific deadlines and fees which pertain to her/his field of interest.

In addition to academic coursework the Preprofessional Studies 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.
College of Health Science

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;
- WOI (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  
Advisor: Dr. Charles W. Baker

**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, BIOLOGY OPTION**

*Bachelor of Science*

Science-Nursing Building, Room 213  
Advisor: Dr. Charles W. Baker

Science-Nursing Building, Room 213  
Advisor: Dr. Charles W. Baker

**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
- Genetics, with or without lab B 343, B 344 .......................... 3-4
- Vertebrate Embryology Z 351 ............................................. 4
- College Chemistry C 131-134 ............................................ 9
- Organic Chemistry C 317-320 .......................................... 8-10
- Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 ... 4
- Physical Chemistry C 321-324 ......................................... 8
- Instrumental Analysis C 411 ............................................. 2
- Chemistry Independent Study C 496 .................................. 2
- Chemistry Seminar C 498, 499 ...................................... 2
- General Physics PH 101-102 .............................................. 8
- Mathematics M 111-204 .................................................. 10
- Mathematics M 205-206 .................................................. 8
- **Electives ........................................................................ 9-11

**Suggested Program**

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**PRE-DENTISTRY, CHEMISTRY OPTION**

*Bachelor of Science*

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
- Comparative Anatomy Z 301 ............................................... 4
- Genetics, with or without lab B 343, B 344 .......................... 3-4
- Vertebrate Embryology Z 351 ............................................. 4
- College Chemistry C 131-134 ............................................ 9
- Organic Chemistry C 317-320 .......................................... 8-10
- Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 ... 4
- Physical Chemistry C 321-324 ......................................... 8
- Instrumental Analysis C 411 ............................................. 2
- Chemistry Independent Study C 496 .................................. 2
- Chemistry Seminar C 498, 499 ...................................... 2
- General Physics PH 101-102 .............................................. 8
- Mathematics M 111-204 .................................................. 10
- Mathematics M 205-206 .................................................. 8
- **Electives ........................................................................ 9-11

**Suggested Program**

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**PRE-MEDICINE, CHEMISTRY OPTION**

*Bachelor of Science*

Science-Nursing Building, Room 309  
Telephone (208) 385-3965

**Requirements**

- General University and Basic Core ........................................ 21
- English Composition E 101-102 ........................................... 6
- General Psychology P 101 .................................................. 3
- Zoology Z 130 ............................................................. 5
- Botany BT 130 .............................................................. 4
- Cell Biology B 301 ......................................................... 3
- Comparative Anatomy Z 301 ............................................... 4
- Genetics, with or without lab B 343, B 344 .......................... 3-4
- Vertebrate Embryology Z 351 ............................................. 4
- College Chemistry C 131-134 ............................................ 9
- Organic Chemistry C 317-320 .......................................... 8-10
- Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 ... 4
- Physical Chemistry C 321-324 ......................................... 8
- Instrumental Analysis C 411 ............................................. 2
- Chemistry Independent Study C 496 .................................. 2
- Chemistry Seminar C 498, 499 ...................................... 2
- General Physics PH 101-102 .............................................. 8
- Mathematics M 111-204 .................................................. 10
- Mathematics M 205-206 .................................................. 8
- **Electives ........................................................................ 9-11

**Suggested Program**

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<td>Total</td>
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**SOPHOMORE YEAR**

- Botany BT 130 .............................................................. 4
- Zoology Z 130 ............................................................. 5
- Organic Chemistry C 317-320 .......................................... 5
- Mathematics M 205-206 .................................................. 4
- Cell Biology B 301 ......................................................... 3
- Elective(H 202 recommended)** ..................................... 3
- **Elective (H 202 recommended)** .................................. 3

**JUNIOR YEAR**

- Comparative Anatomy Z 301 ............................................... 4
- Genetics, with or without lab B 343, 344 .......................... 3-4
- Bio or Analytical Chemistry with Lab C 431-432 or C 211-212 ... 5
- Area I Core Courses ..................................................... 5
- Physics PH 101-102 ...................................................... 4

**SENIOR YEAR**

- General Bacteriology B 303 ............................................. 5
- Vertebrate Histology Z 400 ............................................... 4
- Physiology Z 401 or 409 .................................................. 4
- Biochemistry C 431-432 .................................................. 3
- Area I Core Courses ..................................................... 3
- Electives ........................................................................ 3
- **Elective(H 202 recommended)** .................................. 3

**Suggested Program**

<table>
<thead>
<tr>
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<tr>
<td>Physical Chemistry C 321-324</td>
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<td>General Psychology P 101</td>
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<td>Chemistry Seminar C 498, 499</td>
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</table>
### College of Health Science

**PRE-VETERINARY MEDICINE**

**Bachelor of Science**

Science-Nursing Building, Room 212  
Telephone (208) 385-3504

Advisor: Dr. Russell J. Centanni

The states of Idaho and Washington have an agreement under which a number of places in the Washington State University School of Veterinary Medicine are guaranteed each year to qualified Idaho residents. Idaho residents who plan on veterinary medicine as a career should satisfy the entrance requirements for the WSU School of Veterinary Medicine. Students should seek regular counseling from the pre-veterinary medicine advisor.

The student must maintain either at least 3.20 overall GPA or at least 3.30 GPA in at least 15 credit hours per semester. Candidates with the greater depth and breadth of academic background are given preference by WSU.

Either the Graduate Record Examination (GRE) or the Veterinary Aptitude Test (VAT) should be taken in October prior to the year in which the student hopes to enter the WSU School of Veterinary Medicine.

Students are to acquire and record at least 300 hours of significant exposure to veterinary medicine while employed by or working on a volunteer basis for a graduate veterinarian. The 300 hours must be completed by November 1 of the year of application.

### Requirements

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<th>Course</th>
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<tr>
<td>Cell Biology B 301</td>
<td>3</td>
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<td>Bacteriology B 303</td>
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<tr>
<td>Genetics B 343-344</td>
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<td>Organic Chemistry C 317-320</td>
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<td>*Applied Animal Nutrition</td>
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### Suggested Program

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| Junior Year |  | Senior Year |
|-------------| |-------------|
| Cell Biology B 301 | 3 | Bacteriology B 303 | 5 |
| Genetics B 343-344 | 3-4 | Biochemistry C 431-432 | 3 |
| General Physics PH 101-102 | 4 | Electives | 1 |
| Electives | 4 |  | 3 |
| Area I, II Core Courses | 17-18 |

* To be taken as correspondence course through Washington State University.
** H 202, Health Delivery Systems, is prerequisite for H 493, Preprofessional Internship.

### Bachelor of Science in Medical Technology

Gymnasium  
Telephone (208) 385-3383

Advisors: Conrad Colby  
Dr. Robert Ellis  
Dr. Eugene Fuller

The Medical Technologist performs many routine and specialized tests in the clinical laboratory to develop data for use in determining the presence and extent of disease, as well as implications as to the cause of disease. Medical Technologists work in areas of hematology, serology and immunology, chemistry, blood banking, microbiology and parasitology, urinalysis, histology, and cytology.

A criterion for admission to many professional schools of Medical Technology is a Bachelor of Science degree comprised of courses prescribed by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association. The professional schools at St. Alphonso's and St. Luke's Regional Medical Center require such a degree. The Bachelor of Science degree in Health Science Studies (see Department of Community and Environmental Health) satisfies this requirement.

Professional schools which do not require a Bachelor's degree as a criterion for admission will consider students who have completed at least 96 credits of basic sciences and general education courses prescribed by CAHEA. These courses are listed below.

Students have the responsibility of applying directly to hospital schools for admission to a professional program in Medical Technology.

Upon admission to a hospital school affiliated with BSU and approved and accredited by CAHEA, the student may register for and earn an additional 32 credits for Medical Technology Clinical Class and Practice (MT 487-8-9) and apply for a Bachelor of Science degree in Medical Technology.

### Requirements

<table>
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<tr>
<th>Course</th>
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<td>Bacteriology B 303</td>
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<td>General Botany BT 130</td>
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* Two semesters of Biochemistry C 431-432 (7 credits) are recommended.

### Medical Technology Clinical Class and Practice (MT 487-8-9)

- Hematology 6 credits
- Clinical Bacteriology 8 credits
- Clinical Parasitology 1 credit
- Urinalysis 1 credit
- Clinical Chemistry 8 credits
- Immunohematology 3 credits
- Serology-Immunology 2 credits
- Toxicology 1 credit
- Clinical Mycology 1 credit
- Clinical Correlations Seminar 32 credits
College of Health Science

Suggested Program

<table>
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<th>FRESHMAN YEAR</th>
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<tr>
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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 (76 hours per semester—324 hours per semester—6 CR(S)) second session. Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

**MT 488 CLINICAL CLASS AND PRACTICE (153 hours per semester—647 hours per semester—12 CR(S). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

**MT 489 CLINICAL CLASS AND PRACTICE (153 hours per semester—218 hours per semester—12 CR(S). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital 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.

**Suggested Program**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Anatomy &amp; Physiology Z 111-112</td>
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<tr>
<td>Chemistry C 107, 109</td>
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<td>Chemistry C 108, 110</td>
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Mathematics M108 or M111
Introduction to Allied Health H 100
Area I Core
Area II Core

**SOPHOMORE YEAR**

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<td>Zoology Z 130</td>
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**PRE-OCCUPATIONAL THERAPY**

2268 University Drive
Advisor: Conrad Colby

Occupational Therapy schools differ considerably in their preprofessional requirements. A minimum of two preprofessional years is required, and more in the case of some schools. A student interested in a career in occupational therapy 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:

**Suggested Program**

**Z 130**
College Chemistry C 131-134
General Physics PH 101-102
English E 101-102
College Mathematics

Additional courses that may be needed for the pre-optometric program are:

**Psychology**
**Comparative Anatomy**
**Social Science**
**Physiology**
**Philosophy**
**Statistics**
**Literature**
**Algebra and Trigonometry**
**Organic Chemistry**
**Analytic Geometry**
**Microbiology**
**Differential Calculus**
**Bacteriology**
**Integral Calculus**

**PRE-PHARMACY**

Science-Nursing Building, Room 313
Advisor: Dr. Robert A. Hibbs

BSU students who wish to receive a Bachelor of Science in Pharmacy usually plan to take their preprofessional courses at BSU and then apply for admission to the College of Pharmacy at Idaho State University. The Pharmacy program consists of two years of preparatory studies followed by three years in the College of Pharmacy at ISU. The curriculum outlined below is based upon the requirements of ISU.
Students who intend to apply to Pharmacy schools other than ISU are advised to consult the pre-Pharmacy advisor and pattern their curriculum after that of the school to which they expect to transfer.

**Suggested Program**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry C 131, 133</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Laboratory C 132, 134</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics M 111</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td><em>Mathematics M 204</em></td>
<td>5</td>
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<tr>
<td>Fundamentals of Speech CM 111</td>
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<tr>
<td>Area I Core</td>
<td>-</td>
<td>3</td>
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<tr>
<td>Area II Core</td>
<td>16</td>
<td>16</td>
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</tbody>
</table>

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoology Z 130</td>
<td>5</td>
<td>-</td>
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<tr>
<td>Cell Biology B 301</td>
<td>-</td>
<td>3</td>
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<tr>
<td>Organic Chemistry C 317-318</td>
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<tr>
<td>Organic Chemistry Lab C 319-320</td>
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<tr>
<td>Microbiology B 205</td>
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<tr>
<td>Physics PH 101-102</td>
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<td>4</td>
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<tr>
<td>Area II Core</td>
<td>17-18</td>
<td>16</td>
</tr>
</tbody>
</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) 385-328**

**Advisor: Dr. Gary Craychee**

This curriculum is designed for students interested in a professional career in Physical Therapy. A minimum of two preprofessional years is required for admission to a school of Physical Therapy.

The Freshman year suggested is based upon admission requirements of professional schools to which the majority of BSU's pre-Physical Therapy students gain admission.

**Suggested Program**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Anatomy and Physiology Z 111-112</td>
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<td>Psychology P 101</td>
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<td>College Chemistry Lab C 132, 134</td>
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<td>Electives (Area I, II)</td>
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<tr>
<td>Area I Core</td>
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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 insure 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.
### Required Program

#### Radiologic Technology Program

<table>
<thead>
<tr>
<th>SEM</th>
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<tr>
<td>Medical Terminology H 101</td>
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<tr>
<td>Essentials of Chemistry C 107</td>
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<tr>
<td>Intro to Allied Health H 100</td>
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<tr>
<td>General Psychology P 101</td>
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<tr>
<td>Intro Information Sciences IS 210</td>
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<td>SOPHOMORE YEAR</td>
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<tr>
<td>Clinical Practicum RD 211, 221</td>
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<tr>
<td>Radiographic Positioning I RD 222</td>
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<tr>
<td>Radiographic Techniques and Control RD 226</td>
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<td>Radiological Physics PH 106</td>
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<tr>
<td>Intro to Radiography Clinical Experience RD 234</td>
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<tr>
<td>Radiation Biology-Protection RD 230</td>
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<td>Radiographic Positioning II RD 242</td>
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<tr>
<td>Clinical Experience RD 285</td>
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<td>Area I Core Elective</td>
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<td>SUMMER</td>
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<td>JUNIOR YEAR</td>
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<td>Clinical Practicum RD 311, 321</td>
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<tr>
<td>Radiographic Positioning III RD 316</td>
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<tr>
<td>Special Radiographic Procedures RD 360</td>
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<tr>
<td>Medical &amp; Surgical Diseases RD 350</td>
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<td>Clinical Experience RD 385, 395</td>
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<tr>
<td>Seminar in Radiologic Science RD 436</td>
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<td>Radiographic Positioning IV RD 320</td>
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<td>Area I Core Electives</td>
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<tr>
<td>SUMMER</td>
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<tr>
<td>Clinical Experience RD 397</td>
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</table>

#### Baccalaureate Degree Curriculum

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have an associate degree in Radiologic Technology and/or related discipline from a comparable college/university program, or have permission from the department chairman.

<table>
<thead>
<tr>
<th>SEM</th>
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<tbody>
<tr>
<td>SENIOR YEAR</td>
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<td></td>
</tr>
<tr>
<td>Management and Organizational Theory MG 301</td>
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<tr>
<td>Area II Core Elective</td>
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<td>3</td>
</tr>
<tr>
<td>Management of Radiology Service RD 400, 401</td>
<td>3</td>
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<tr>
<td>Imaging Modalities RD 402</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Area I Core Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Organizational Behavior MG 401</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Interviewing CM 307</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Health Delivery Systems H 202</td>
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<tr>
<td>OR</td>
<td></td>
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<tr>
<td>Medical Economics and Finance H 405</td>
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<tr>
<td>Principles of Education in Health Sciences H 406</td>
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<td>3</td>
</tr>
<tr>
<td>Radiographic Quality Assurance RD 408</td>
<td>18</td>
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</tr>
</tbody>
</table>

### Course Offerings

#### RD RADIOLOGIC TECHNOLOGY

**Lower Division**

RD 211 CLINICAL PRACTICUM (0-3-16F). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. COREQ: RD 222.

RD 221 CLINICAL PRACTICUM (0-3-16S). 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 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 spine. PREREQ: RD 222, RD 211. COREQ: RD 221.

RD 285 RADIOLOGIC TECHNOLOGY CLINICAL PRACTICUM (0-240-4S). 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 (4-0-4S). Fundamental concepts of the most 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 (0-360-6S). 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 (0-360-6S). 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 providing for growth and development. Structural and shielding requirements will be discussed. PREREQ: PERM/INST.
RD 401 MANAGEMENT OF A RADIOLOGY SERVICE (3-0-3)(S). Applied principles and techniques of management and supervision. Includes departmental administration of records, equipment, personnel and budgets. PREREQ: RD 400, PERM/INST.

RD 402 IMAGING MODALITIES IN RADIOLOGY (3-0-3)(S). Discussions of various medical imaging modalities including Ultrasonography, C.T., NMR, PET, Digital Radiography, Electronic Imaging and Nuclear Medicine. Theory and operational principles will be examined along with economic impact, purchase and acquisition procedures and use considerations. PREREQ: PERM/INST.

RD 408 RADIOGRAPHIC QUALITY ASSURANCE (3-0-3)(S). Provide skills required for conducting and managing a radiographic quality assurance program. Includes demonstrations and performances with quality assurance instruments. Principles and techniques of daily photographic quality assurance will be introduced. PREREQ: PERM/INST.


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 for Respiratory Care. If accepted, the student may continue on to the Baccalaureate degree.

The Respiratory Therapy Program has been granted accreditation by the Committee on Allied Health Education and Accreditation of the American Medical Association.

Department Admission Requirements and Application Procedures

Respiratory Therapy Program

Requirements for Admission:

1. Preprofessional Year
   a. See University Admission Policy.

2. Professional Program
   a. Only students who have completed or are in the process of completing the preprofessional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.
   b. Health status must be adequate to ensure performance of hospital activities.

All students admitted to the Respiratory Therapy Program are required to:

1. Submit a negative PPD or chest x-ray plus a documented Rubella immunity report to the department by August of the year in which the student enters the professional program.

Application Process:

1. Preprofessional Year
   a. See University Requirements.

2. Professional Program
   a. All students must fill out and return to the Respiratory Therapy Department office a "Special Programs Application" on or before March 1 of the year in which they plan to attend the professional program.
   b. Applicants may be required to have an interview during the spring semester of the preprofessional year. Contact the department chairman for specific dates.
   c. Applicants will be notified of their status by April 25. Due to the limited number of clinical sites, the program can accept only a limited number of students each year.
   d. After being notified of acceptance to the program, submit $15.50 as prepayment for student name pin and clinical insurance. This nonrefundable cost is payable by May 1.
   e. A $14.00 Lab Fee, per academic year, is payable to the department by September 1 of each professional year.

Promotion and Graduation: Students who do not meet these requirements may be removed from the program:

1. Professional Program
   a. Students must earn at least a "C" in every Biology, Health Science, Mathematics, Physical Science, and Respiratory Therapy course.
   b. A grade of less than a "C" in any professional theory (numbered H, Rn or clinical unit must be repeated and raised to a "C" or higher.

Required Program

Preprofessional Curriculum: All students who are considering entry into the Respiratory Therapy Program must have completed or be in the process of completing the following preprofessional curriculum. The preprofessional curriculum need not be taken at BSU.

PREPROFESSIONAL (FRESHMAN) YEAR

<table>
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<tr>
<th>Course</th>
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<th>2nd SEM</th>
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<tbody>
<tr>
<td>English E 101-102</td>
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<tr>
<td>Human Anatomy &amp; Physiology Z 111-112</td>
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<td>Essentials of Chemistry C 107</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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Area I, II Core Electives: 17 17

Professional Curriculum

FIRST PROFESSIONAL (SOPHOMORE) YEAR

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<tr>
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<tr>
<td>Respiratory Therapy Theory I RT 203</td>
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<td>Respiratory Therapy Theory II RT 223</td>
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<tr>
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<tr>
<td>Respiratory Therapy Lab II RT 224</td>
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<td>Clinical Practicum I RT 208</td>
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<td>Clinical Practicum II RT 228</td>
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<td>Cardiopulmonary Physiology RT 201</td>
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<td>Respiratory Therapy Nursing Arts RT 207</td>
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<td>General Pathology RT 209</td>
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<td>Emergency Procedures in Respiratory Care RT 213</td>
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<tr>
<td>Pulmonary Function Lecture RT 225</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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Microbiology B 205: 18 18

SUMMER

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SECOND PROFESSIONAL (JUNIOR) YEAR

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<tr>
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College of Health Science

Respiratory Therapy Theory IV RT 322 - 2
Respiratory Therapy Lab III RT 304 - 1
Respiratory Therapy Lab IV RT 324 - 1
Clinical Practicum III RT 308 - 4
Clinical Practicum IV RT 328 - 6
Radiologic Studies of the Respiratory System RT 305 - 1
Pulmonary Medicine II RT 327 - 3
Respiratory Cardiology RT 307 - 2
Professional Seminar RT 398 - 4
Principles of Pharmacotherapeutics RT 301 - 3

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 2nd
SEM SEM
Personnel Administration MG 305 - 3
Organizational behavior MG 401 - 3
Intro Information Sciences IS 210 OR
Intro Financial Accounting AC 205 - 3
Electives (Area I or II) - 3
Compensation Management MG 406 - 3
Respiratory Therapy Colloquium RT 401 - 3
Area I, II Core Electives - 6
12 12

Lower Division

RT 301 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 pathophysiology of the lungs. PREREQ: PERM/INST.

RT 228 CLINICAL PRACTICUM II (0-12-3) (S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. PREREQ: PERM/INST.

Upper Division

RT 301 PRINCIPLES OF PHARMACOTHERAPEUTICS (3-0-3) (F). Principles, practical uses and interactions of drugs and their relationship to disease. PREREQ: PERM/INST.

RT 303 RESPIRATORY THERAPY THEORY III (2-0-2) (F). Theory and clinical application of mechanical ventilator including care and management of artificial airways. PREREQ: PERM/INST.

RT 304 RESPIRATORY THERAPY LABORATORY III (0-2-1) (F). Practice using mechanical ventilators and suctioning devices. PREREQ: PERM/INST.

RT 305 RADIOLOGIC STUDIES OF THE RESPIRATORY SYSTEM (1-0-1) (F). Presentation and interpretation of respiratory radiographs. PREREQ: PERM/INST.

RT 307 RESPIRATORY CARDIOLOGY (2-0-2) (F). Electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. PREREQ: PERM/INST.

RT 308 CLINICAL PRACTICUM III (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 396 RESPIRATORY THERAPY PROFESSIONAL SEMINAR (4-0-4) (S). Focuses on the ethics and media-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.

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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-
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, so long as these credits will not prejudice his graduation during that academic year. The necessary permit forms are available at the Graduate Admissions Office and the office of each dean. Credits earned in this manner are “reserved” to count toward a graduate degree at BSU.

Scholarship Requirements

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate College upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate College, a student must achieve a grade point average of B (3.00) or better in all work exclusive of deficiencies, specifically included in his program of study. No grade below B may be used for any 300 or 400 level 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 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 grade of A or B 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 sub-section “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”) are not necessarily 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
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directed research credits, at the discretion of the graduate student’s supervising committee or professor, through a limit of nine credit hours, with no more than six credits in any one semester. The College of Business has a limitation of three credits of internship and/or Directed Research for MBA students.

Undergraduate Courses for Graduate Credit: Other courses than graduate, numbered at the 300 or 400 levels, may be given g or G designation to carry graduate credit. The department or college concerned will have the right to limit the number of g or G credits which can count toward any degree for which it has responsibility, and in no case can more than one-third of the credits in a degree program be in courses at the 300 or 400 level. No course numbered below 500 carries credit unless the g or G is affixed.

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or college.
2. G courses carry graduate credit for students both in the department or college and for other students as well.
3. Graduate students enrolled in G or g courses will be required to do extra work in order to receive graduate credit for the courses.

Application for Graduate Degree
The last step in completing a graduate program consists of arranging for final record checking. To accomplish this, one completes the form Application for Graduate Degree which can be obtained from the Graduate Admissions Office or from the Deans of Business and Education.

Graduate Programs, College of Arts and Sciences
Master of Public Administration

The Master Degree in Public Administration is an inter-university cooperative graduate program offered jointly by Boise State University, Idaho State University and the University of Idaho. The purpose of the program is to provide present and prospective public administrators with the basic intellectual preparation necessary to understand how to adjust to a changing and challenging environment through an introduction to the theories and practices of administration, management, and Social Science research as these relate to effective performance in public organizations. The MPA program is coordinated through an inter-University Committee comprised of the chairmen of the Departments of Political Science at the cooperating universities, a representative of the Office of the State Board of Education, and a representative of cooperative governmental agencies: The essential features of this inter-university cooperative program are: (1) general coordination and policy control by the inter-University Committee; (2) unrestricted transferability of credits earned at any of the participating universities; (3) coordination among universities in scheduling and offering courses in the MPA program; and (4) the establishment of a basic core of courses at all three cooperating institutions plus optional areas of emphasis which may vary among the universities and which reflect the particular areas of specialization available at the respective universities.

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

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

Some coursework in Humanities and Social Science (Political Science, Sociology, Economics and Psychology) is essential to the foundation of the MPA program for all students; also a student must provide evidence of proficiency in skills of statistics, data processing, or accounting, either through undergraduate preparation or previous work experience. Deficiencies in these areas will be made up outside of the required curriculum. A student may be required to remove other deficiencies related to specified areas of emphasis in the MPA program, as determined by the inter-University Committee.

Specific Admission Requirements for Applicants: All applicants to the MPA program at Boise State University must meet the following requirements prior to enrollment in MPA courses:

1. Possession of a baccalaureate degree from an accredited institution.
2. Demonstration of satisfactory academic competency by attaining an overall GPA of 2.75 and recommendation for admission by the Department of Political Science. Students with a lower GPA may be admitted on provisional status on recommendation of the Department of Political Science with approval of the Graduate College. Final determination of the retention in the MPA program of a student with Provisional Status will be made after the completion of 12 credits of approved study, with the general requirements of a grade of B or better in the coursework taken.
3. Receipt of 3 letters of personal evaluation from individuals qualified to evaluate the applicant’s academic potential. Evaluators may include current or former employers, as well as professors. The letters are to be addressed as follows: Chairman, Department of Political Science, Boise State University, Boise, Idaho 83725.
4. Submittal of a brief statement by the applicant indicating career 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 two of the following areas:
     - Sociology
     - Economics
     - Psychology
   - At least three credits in one of the following areas:
     - Accounting
     - Data Processing
     - Social Statistics

For those students selecting Human Services Administration as their area of emphasis for specialized preparation in Public Administration, at least 9 credits in Sociology.

For those students selecting Criminal Justice Administration as their area of emphasis for specialized preparation in Public Administration, at least 9 credits in Criminal Justice.

Students who are deficient in any of the prerequisites indicated above must remove these deficiencies prior to enrollment in MPA graduate level courses for credit.

The student may be required to remove other deficiencies as determined by the Inter-University Committee established for administrative coordination of the MPA program.

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

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

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

Core and Optional Area Requirements: The specific course requirements of the MPA program are set forth in a list of courses which have been approved by the inter-University Committee. This list is available through each of the cooperating universities. Courses are available at each institution in the "core areas." The optional "areas of emphasis" and expansion of available courses as additional resources become available and the cooperative relationships among the three universities are further developed. The listing of "areas of emphasis" represents a collective enumeration of all optional areas which currently are available or are planned for future development at all of the cooperating universities. (A description of these "areas of emphasis" which are presently operational at each institution and admission forms to the MPA program are available through the Chairman of the Department of Political Science at Boise State University, the Chairman of the Department of Political Science at Idaho State University, or the Chairman of the Department of Political Science at the University of Idaho.)

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

1. At least one course selected from each of the following core areas:
   a. Administrative Theory, Organization and Behavior
   b. Public Management Techniques
   c. Public Policy and Policy Analysis

2. At least one course from each of two of the following "core areas":
   a. Administrative Law
   b. The Executive and the Administrative Process
   c. Intergovernmental Relations
   d. Community and Regional Planning
   e. Comparative Public Administration and Planning Systems

3. A sixth course is to be selected also from any one of the 8 "core areas" listed under items 1 and 2 above.

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

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

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

Course Selection

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:

  Comparative Public Administration PO 466G, Administrative Law PO 467G, Intergovernmental Relations PO 469G, Program Evaluation and Quantitative Analysis PO 511, The Role of the Executive in Policy Making PO 530.

Any of the following courses, identified as "selected topics", which will be offered as staff availability permits, may be selected also to satisfy the General Public Administration area of emphasis: Administrative Theory, Organization & Behavior PO 580, Public Management Techniques PO 581, Public Policy & Policy Analysis PO 582, Administrative Law PO 583, The Executive & the Administrative Process PO 584, Intergovernmental Relations PO 585, Community & Regional Planning PO 586, Comparative Public Administration and Planning Systems PO 587.

Arrangements may also be made in the following courses: Thesis PO 593, Reading and Conference PO 595, Directed Research PO 596, Conference/Workshop PO 599.

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.)
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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 practical methods of gathering, analyzing, and interpreting data. Theory and basic techniques underlying quantitative analysis of public programs.

PO 520 PUBLIC POLICY FORMULATION AND IMPLEMENTATION (3-0-3)(F/S). Process of policy-making both within an agency and within the total governmental process, emphasizing policy and program planning, policy implementation and the value system of 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 programs. 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, discussion of the subject matter and procedures with a designated professor and a documental paper covering the subject of the independent study.

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

CR CRIMINAL JUSTICE ADMINISTRATION COURSES

Graduate

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.

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 while in residence at BSU. Additionally, students may initiate and complete a thesis in residence 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)
   d. Management
   e. Legal and Social Environment
   f. Marketing
   g. Finance
   h. Production Management
   i. Information Science/MIS
   j. Business Statistics
   k. Business writing proficiency—must be demonstrated by passing a proficiency test. Failure to pass this test will require enrollment in AS 328 Business Communication or its equivalent.

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in Master level courses. Enrollment in courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse, from these Master courses.

The student may be required to remove other deficiencies (such as Organizational Theory, Ethics, or Behavior) as determined by the College of Business.

5. All applicants must be accepted by the Graduate College of Boise State University in order to achieve the Master degree.

Degree Requirements

The MBA Degree

The Master of Business Administration degree consists of a minimum of 30 semester hours of credit from the offerings listed on the following pages or other graduate courses suitable to an MBA degree, as accepted by the MBA Admissions Committee.

Required Core Courses .......................................................... 21-24
Electives ................................................................................. 9-6

NOTE: A student with a major in a functional Business discipline such as Management, Marketing, Finance, Economics, Organization Behavior, or Accounting should not take the core course in that discipline, and may substitute an MBA elective in its place.

Students may elect a maximum of 6 credit hours from the 400 level "C" 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:

CB 310 BUSINESS AND SOCIETY (3-0-3)(FS). Examination of the interaction between business and the economic, social, political and legal order, both domestic and worldwide. By utilizing analysis of particular situations, it focuses attention on the broad effects of this total environment upon the administration of business.

*DS 512 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.

*Student selects either DS 512 or DS 514.

MK 519 MARKETING MANAGEMENT CONCEPTS (3-0-3)(FS). 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.
Graduate College

FI 530 FINANCIAL MANAGEMENT (3-0-3)(FS). 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, strategies and policies including the use of quantitative methods for allocation and flow of all goods and services in organizations. Designed as a capstone for the last semester of the program.

MBA—Elective Courses:

AS 512 COMMUNICATION TECHNIQUES FOR MANAGERS (3-0-3)(Intermittent) Analysis of the 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). This course is a study of the impact of the computer on managers and 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).
FI 583 SELECTED TOPICS—Finance (3-0-3).
MG 584 SELECTED TOPICS—Industrial Psychology (3-0-3).
MG 585 SELECTED TOPICS—Management (3-0-3).
MK 586 SELECTED TOPICS—Marketing (3-0-3).

590 INTERNSHIP. Available on a selective, limited basis. MBA students should consult with pertinent faculty and coordinator.

596 DIRECTED RESEARCH (1-3 credits). Involves special projects undertaken by the student, consisting of individual work suited to the needs and interests of the student. The course embodies research, discussions of the subject matter and procedures with a designated professor, and a documented paper covering the subject.

Undergraduate "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 her/his 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.

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 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
- Fundamentals of Educational Research for Teachers TE 551
- Required of all candidates—Thesis-Project
- Electives and/or Specific Requirements
- Total

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
- Fundamentals of Educational Research for Teachers TE 551
- Interpreting Educational Research TE 565
- Electives and/or Specific Requirements
- Total

(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

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Core—Issues in Education TE 570</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Core—Directed Writing TE 571</td>
<td>3</td>
</tr>
<tr>
<td>Conflicting Values in Education TE 563</td>
<td>1</td>
</tr>
<tr>
<td>Elective courses (Select 2 from the following)</td>
<td>2</td>
</tr>
<tr>
<td>Creative Teaching—Secondary School TE 564</td>
<td>1</td>
</tr>
<tr>
<td>Interpreting Education Research TE 563</td>
<td>1</td>
</tr>
<tr>
<td>Learning Theory and Classroom Instr. TE 566</td>
<td>1</td>
</tr>
<tr>
<td>Techniques of Classroom Management TE 568</td>
<td>1</td>
</tr>
<tr>
<td>Testing and Grading TE 569</td>
<td>1</td>
</tr>
<tr>
<td>Creative Teaching in Elementary School TE 573</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
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</tbody>
</table>

### Early Childhood Education Emphasis

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Childhood: Readings TE 543</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Educ Rsch for Teachers TE 551</td>
<td>3</td>
</tr>
<tr>
<td>Thesis-Project TE 591-593</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>2-3</td>
</tr>
<tr>
<td>II. Comprehensive Written Examination Option</td>
<td></td>
</tr>
<tr>
<td>Interpreting Educational Research TE 565 (part of core)</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>6 or 9</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>32-34</td>
</tr>
</tbody>
</table>

### Special Education

For those Primarily Responsible for Elementary School Instruction

I. Special Education Emphasis for Mild-Moderate Handicapped

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Behavior Intervention Techniques TE 450C</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Materials for the Exceptional Child TE 440</td>
<td>3</td>
</tr>
<tr>
<td>Diagnosis of Reading Problems TE 502</td>
<td>3</td>
</tr>
<tr>
<td>Remediation of Reading Problems TE 503</td>
<td>3</td>
</tr>
<tr>
<td>Individual Tests &amp; Measurements TE 505</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education in Special Education PE 594</td>
<td>2</td>
</tr>
<tr>
<td>Elective Options. Choose I or II below:</td>
<td></td>
</tr>
<tr>
<td>I. Thesis-Project Option</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Educ Rsch for Teachers TE 551</td>
<td>3</td>
</tr>
<tr>
<td>Thesis-Project TE 591-593</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>II. Comprehensive Written Exam Option</td>
<td></td>
</tr>
<tr>
<td>Interpreting Educational Research TE 565 (part of core)</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>9</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>33</td>
</tr>
</tbody>
</table>

II. Special Education Emphasis for Severely Handicapped

- Elective options (choose I or II, below)                                      | 9       |
- 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                                        |         |
- Interpreting Educational Research TE 565 (part of core)                      | 1       |
- Electives                                                                     | 9       |
- TOTAL CREDITS                                                               | 33      |
Reading

For those Primarily Responsible for Elementary School Instruction

1. Graduate Core ....................................... 9
2. Survey of Reading Instruction TE 501 ................. 3
3. Diagnosis of Reading Problems TE 502 ............... 3
4. Remediation of Reading Problems TE 503 .......... 3
5. Seminar in Reading TE 504 .......................... 3
6. Elective Options. (Choose I or II below) ............
   I. Thesis-Project Option
      Fundamentals of Educ Research for Teachers TE 551 ... 3
      Thesis-Project TE 591-593 ........................... 6
      Electives ........................................... 3
   Or
   II. Comprehensive Written Exam Option
      Fundamentals of Educ Research for Teachers TE 551 ... 3
      Thesis-Project TE 591-593 ........................... 6
      Electives ........................................... 3
      Interpreting Educational Research (Core) TE 565 .... 1
      Electives ........................................... 9
      Total Credits 34

   For those Primarily Responsible for Secondary School Instruction

III. Secondary Education Special Education Emphasis

Required Courses

Graduate Core ........................................ 9
1. The Emotionally Disturbed Child in the Classroom TE 523 ... 3
2. Teaching Skills for Remediation of Learning Disabled Students TE 515 ... 3
   Or
   Development of Skills for Teaching Moderately/Severely Handicapped TE 517 ... 3
   Behavior Intervention Techniques TE 450G ............. 3
   Practicum in Special Education TE 590 ................. 4
Electives ................................................ 22
   Individual Tests & Measurements TE 505 ............... 3
   Internship in Secondary Special Education TE 594 ... 3
   Directed Research in Secondary Special Education TE 596 ... 3
   Elective Options. Choose I or II below.
   I. Thesis-Project Option
      Fundamentals of Educ Research for Teachers TE 551 ... 3
      Thesis-Project TE 591-593 ........................... 6
      Electives ........................................... 3
   Or
   II. Comprehensive Written Exam Option
      Fundamentals of Educ Research for Teachers TE 551 ... 3
      ELECTIVE  ........................................... 6
      Electives ........................................... 3
      Interpreting Educational Research (Core) TE 565 .... 1
      Electives ........................................... 9
      Total Credits 34

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)(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 identifying 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 502 ADVANCED EDUCATIONAL PSYCHOLOGY (3-0-3). A study of contemporary issues involving both theoretical and methodological considerations in the history and systems of educational psychology will be given. Special emphasis will be given to group behavior in terms of principles relevant to educational objectives. PREREQ: P 101 and P 325. Offered on demand.

P 503 INDIVIDUAL TESTING PRACTICUM (3-0-3)(S). Emphasis on administering and scoring intelligence tests and on test interpretation. PREREQ: M 115-116, P 305, P 421, PERM/INST. Offered odd numbered years.

P 504 ANALYSIS OF THE INDIVIDUAL (3-0-3). A study of techniques used in analyzing the individual with emphasis on the elementary level. The course includes observational methods, recording behavior, behavioral analysis, interviewing and use of test information. PREREQ: P 202. Offered on demand.
P 505 PERSONALITY DEVELOPMENT (3-0-3S). 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.

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 attack, and comprehension skills are emphasized. Standardized and informal testing procedures are discussed.

TE 502 DIAGNOSIS OF READING PROBLEMS (3-0-3). The role of the special reading teacher and his type of screening devices is developed. Various standardized and informal reading tests are put into practice by working with a child in the Reading Center. A case study culminates this course. PREREQ: TE 501.

TE 503 REMEDIATION OF READING PROBLEMS (DIRECTED EXPERIENCES IN THE READING CENTER)(3-0-3S/5U). Remediation approaches and techniques for disabled readers are emphasized. Training is fostered by tutoring a child under supervision in the Reading Center.

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(FSU). The significant research concerning all phases of reading is abstracted and discussed in small group settings. Instruction in how to read reading research is included. Instruction in reading research is developed. PREREQ: TE 503.

TE 505 INDIVIDUAL TESTS & MEASUREMENTS (3-0-3S). An intense investigation is pursued in the area of measurement theory followed by practical applications in individual testing and student diagnosis.

TE 507 RELATING READING PROCESS TO SECONDARY SCHOOL SUBJECTS (3-0-3S). 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 instructional 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 PRINCIPLES 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 (3-0-3F). 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 advisement, 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.

TE 517 DEVELOPMENT OF SKILLS FOR TEACHING MODERATELY SEVERELY HANDICAPPED (3-0-3S). The techniques and methods applicable for use by teachers of the moderately/severely handicapped. Current issues, philosophies, and research implications for teaching will be emphasized. PREREQ: TE 423, PERM/INST.

TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3S). Methods and techniques for encouraging creative writing in the elementary school.

TE 519 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3S). Current literature for children, including emphasis upon poetry is presented. Issues in children's book selection are discussed.

TE 520 EDUCATIONAL MEDIA (3-0-3S). This course will acquaint the elementary classroom teacher with the latest educational media available for use. Evaluation of the materials in a media center will be studied. Emphasis upon the use of a curriculum resource center in the local school system will be made every other year.

TE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3S/5U). Methods and techniques for classroom and playground activities for physical education, curriculum development will be presented. Emphasis upon corrective physical education procedures will be given. Alternate years.

TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3S/5U). Emphasis upon the individualized approach to reading instruction is developed. Techniques of conferencing book selection, skill development and independent language arts activities are explored.

TE 523 THE EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3). This course is designed to assist teachers, counselors, and administrators in understanding the educational and psychological needs of the emotionally disturbed child. Emphasis is placed on developing skills in identifying emotional problems and planning the remedial steps needed for correction. PREREQ: PERM/INST.

TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3S). A study of the development of children and adolescents in different cultures in comparative relationship to existing values. The lifestyle of various minority groups and implications for education will be examined. Major topics include culturally different learner; (1) learning styles, (2) media, (3) process of change. Idaho minority groups will be emphasized.

TE 541 EDUCATION IN EMERGING NATIONS (3-0-3F). The course provides an analysis of the relationship between national goals and the educational system in the twentieth century. Contemporary systems will be studied in light of three major factors: (1) religious factors; (2) natural factors such as race, language and environment; (3) secular factors such as Humanism, Socialism and Nationalism.

TE 543 EARLY CHILDHOOD: READINGS (3-0-3S). Past and current research in early childhood education will be reviewed and synthesized in a seminar format. Students will determine a specific research area to study in depth.

TE 544 EARLY CHILDHOOD: ADVANCED CHILD DEVELOPMENT (3-0-3F). The student will explore in depth the physical, social-emotional, cognitive-language, and creative development of children, birth to age eight.

TE 546 EARLY CHILDHOOD: ENVIRONMENTS AND PROGRAMS (3-0-3S). The student will examine critical elements in the development and administration of effective early childhood programs including evaluating children, setting up the environment, developing and implementing curriculum, and teaching methods.

TE 547 EARLY CHILDHOOD: LANGUAGE ACQUISITION AND DEVELOPMENT (3-0-3F). The student will examine various theories and stages of language development, and will study approaches to facilitate language development in children of English and non-English speaking backgrounds.

TE 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH FOR TEACHERS (3-0-3F). The planning of educational research with emphasis on the nature of scientific inquiry, formulating research and evaluation plans, and critiquing published research.

TE 555 SUPERVISION OF INSTRUCTIONAL PERSONNEL (3-0-3S). A course designed to improve the supervision skills of elementary/secondary cooperating teachers and other supervisory personnel. Emphasis will be placed on a variety of observation and evaluation strategies designed to improve instruction.

TE 559 PHILOSOPHY OF EDUCATION (3-0-3S). Students will analyze and evaluate past and contemporary philosophies and ideologies and values derived from them as they apply to education.

TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1SU). Students will explore ideological positions which have affected educational programs and policies. They will be asked to carefully consider their own values and analyze how these positions affect their modes of classroom operation. PREREQ: Graduate status. COREQ: TE 570, 571.

TE 564 CREATIVE TEACHING—SECONDARY SCHOOLS (1-0-1S). The course will explore various approaches to classroom teaching methodology and at
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 (1-0-3)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 (1-0-3)SU. This course will explore approaches to effectively working with students in elementary and secondary classrooms. Skill development and theoretical considerations related to developing healthy and productive learning environments will be emphasized.

TE 569 TESTING AND GRADING (1-0-3)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 understandings of how curriculum is developed, organized, implemented and evaluated. Core course for all programs leading to teaching licenses. Registration in one course is required for teaching students with special needs.

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, Flanders' 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 will 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, the applicant for the degree must ordinarily be certified as a school art specialist. After completing the degree, the student may 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 these will be furthered by graduate study.

3. Program areas of study are as follows:
   a. Required Core Courses
      1. ART APPRECIATION IN THE EDUCATIONAL PROGRAM AR 501
      2. SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION AR 551
      3. PROJECT AR 591
      OR
      4. Thesis (or additional hours) AR 593
      5. Education Core courses TE 570
   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 PERM/INST.

AR 521 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-3)SU. (Previously approved for Elementary Master's Degree). Varied and unusual experimental art media will be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as written paper. PREREQ: Graduate standing. Summers only by request.

AR 522 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-3)SU. Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as a written paper. PREREQ: Graduate standing. Summers only by request. Alternate years.

AR 531 SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION (3-0-3)F. Designed for the secondary school art teacher, this course will be geared to creative curriculum planning. It will be held in a workshop seminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. PREREQ: Graduate status and PERM/INST.

AR 580-589 SERIES SELECTED TOPICS (3-0-3). An opportunity for the student to work independently with a particular teacher in a specific area or media. A total of nine credits allowable which can be divided into several areas or concentrated, distribution determined by the graduate student and committee.

AR 580 SELECTED TOPICS—DRAWING

AR 581 SELECTED TOPICS—PAINTING

AR 582 SELECTED TOPICS—CRAFTS

AR 583 SELECTED TOPICS—SCULPTURE

AR 584 SELECTED TOPICS—PHOTOGRAPHY

AR 585 SELECTED TOPICS—CERAMICS

AR 586 SELECTED TOPICS—PRINTMAKING

AR 587 SELECTED TOPICS—DESIGNING

AR 588 SELECTED TOPICS—ILLUSTRATION

AR 589 SELECTED TOPICS—ART HISTORY

AR 591 PROJECT (6 credits). See below.

AR 593 THESIS (V-V-V). The thesis, or culminating project, may be defined, but is not limited to a combination of any two of the following projects.

1. A scholarly paper embodying results of original research which are used to substantiate a specific view.

2. Three written reports directed toward the student's particular area of study.

3. A curricular proposal in written form which could be considered for implementation in the schools.

4. A one-person art show with a faculty review.
5. A submitted portfolio of work with a fall 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
Princ 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. Graduate 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 Shorthand, Transcription & Off Procs .. 3
      BE 530 Curr and Instr in Typewrtrg, Bkkeeping-Acct & DP .... 3
      BE 540 Curr and Instr in Basic Business and Economics ..... 3
      BE 571 Organization and Supervision of Business Education ............ 3
      BE 596 Directed Research ............................................. variable credit
      BE 599 Workshop in Business Education ......................... 1-3
      AS 501 Office Systems and Procedures ............................. 3
      BE 441G Prncpls and Orgztion 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 ......................................................... 3-6
   Project—BE 591 .......................................................... 3-6
   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

Graduate College
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 310 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 540 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 (3-0-3).

BE 442—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 schools. PREREQ: Graduate status and PERMISSION.

BE 520 CURRICULUM AND INSTRUCTION IN SHORTHAND, TRANSCRIPTION, AND OFFICE PROCEDURES(3-0-3). Study of various techniques available for the improvement of instruction in shorthand, transcription, and office procedures. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. PREREQ: PERMISSION.

BE 530 CURRICULUM AND INSTRUCTION IN TYPEWRITING, BOOKKEEPING—ACCOUNTING AND DATA PROCESSING (3-0-3). A study of various techniques available for the improvement of instruction in bookkeeping—accounting, data processing, and typewriting. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. PREREQ: PERMISSION.

BE 540 CURRICULUM AND INSTRUCTION IN BASIC BUSINESS AND ECONOMICS(3-0-3). A study of various techniques available for the improvement of instruction in basic business and economics. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. PREREQ: PERMISSION.

BE 571 ORGANIZATION AND SUPERVISION OF BUSINESS EDUCATION (3-0-3). Administrative and supervisory problems in business education especially from the point of view of the teacher. A study of problems of the business teacher beyond those involved in classroom teaching. Includes an analysis of relationships of public and private business administrations, and employment. PREREQ: PERMISSION.

BE 591 PROJECTS (3-0-3).

BE 593 THESIS (3-0-3). 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 (3-3-3) (Field trip required).

GO 412G HYDROGEOLOGY (3-0-3) (Field trip required).

GO 460G VOLCANOLOGY (2-0-2) (Field trip required). 

GO 471G REGIONAL FIELD STUDY (1, 2, 3 or 3 cr/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) (SU). The study, review, and discussion of literature, demonstrations, teaching aids relative to geology, astronomy, meteorology and oceanography. The course provides knowledge, skills and material resources that can increase the student's ability 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). A systematic study of the geologic provinces of North America with special emphasis on geologic 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). Field trip required. Chemical equilibrium applied to natural water systems. Oxidation and reduction in sedimentation and ore genesis, methods of exploration geochemistry, crystallization of magmas, ore-forming solutions, isotope geochemistry. This course can be taken for undergraduate credit by filling out necessary forms. PREREQ: GO 101, C 133, M 204.

GO 591 PROJECT (7-3 to 0-6). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. PREREQ: Graduate status and 15 credits in Earth Science or PERM/INST.

GO 593 THESIS (0-3 to 0-5). The scholarly pursuit of original work on a field or laboratory project or the formulation of new and logical interpretations of existing data collected by library research. A final report suitable for presentation at a meeting of Earth Science professionals is required. PREREQ: Admission to candidacy.

GO 596 DIRECTED RESEARCH (0-1 to 0-4). Field, laboratory or library research project. Students may work on an individual project or select 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) (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 17th 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 the required 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 student 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.

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.

3. General graduate electives (may include E 501) 36

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 487G MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F/S).
E 488G METHODS AND THEORIES OF LITERARY CRITICISM (3-0-3).

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 TEACHING OF WRITING (3-0-3)(F/S). Theories and methods of teaching writing for experienced teachers. Special emphasis on new discoveries about the learning process in writing courses and in the teacher’s role in helping individual students. PREREQ: E 301, E 500, and teaching experience or PERM/CHMN.
E 505 LINGUISTICS (3-0-3)(F/S). Modern linguistic theories and their application to literature and teaching English. An examination of how various grammatical models represent the complexities of language sound, sequence, and structure. Application of theory to language at work. PREREQ: E 350 and E 305 or equivalent or PERM/CHMN.
E 510 MAJOR AUTHOR (3-0-3)(F/S). A consideration of minor and major artistic creations of an author with attention devoted to major influences on the writer and his influences on others. Aspects of investigation to include the life of the author and his relation to his work, the society and culture of the times, his place and stature in the genres in which he worked, his use or disregard of tradition, as well as an investigation of contemporary 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 genre, or topic. PREREQ: E 500 or PERM/CHMN.
E 540 MYTH IN LITERATURE (3-0-3)(F/S). An exploration of the use of myth in literature as a source of content and structure. The nature and working of myth and the way it enters conscious creation of art. Themes such as the quest, the initiation, the Adamic myth in American literature of myths in the works of major authors may be explored. PREREQ: E 500 or PERM/CHMN.
E 550 LITERATURE AND CULTURE (3-0-3)(F/S). The interaction between a body of literature and the social economic and political forces that characterize the culture in which it originates. The influence of culture on literary form and content. PREREQ: E 500 or PERM/CHMN.
E 560 FOLKLORE (3-0-3)(F/S). Materials selected from oral tradition and culture with attention to aspects of collecting, classifying, comparing analyzing and archiving. Theories of folklore composition transmission, and function will be related to the occurrence of folklore. PREREQ: E 500 or PERM/CHMN.
E 570 LITERARY MOVEMENTS (3-0-3)(F/S). A focus on a significant literary movement, the works of its major and minor contributors, its theories and its practice, its relation to its time, its place in literary history, its influence in writers past and present. PREREQ: E 500 or PERM/CHMN.
E 581 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOLS (3-0-3)(F/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 methods of analysis appropriate to students. All genres as well as classic and popular authors. PREREQ: E 102, two literature courses or PERM/CHMN.
E 593 THESIS (V-0-V). A scholarly paper containing the results of original research. PREREQ: Admission to candidacy and approval of the student’s graduate committee.
E 595 READING AND CONFERENCE (V-0-V). A project may include, but is not limited to, a library research paper or experimental research on some aspect of pedagogy or preparation of written curriculum with teaching materials. PREREQ: Admission to candidacy and approval of the student’s graduate committee.

Master of Arts in Education—History Emphasis

Admissions

Program Requirements

The Master of Arts in Education with a History emphasis will consist of a minimum of thirty-three hours planned by the students and their advisory committee from the following alternatives.

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.
Graduate College

HY 334G UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(FS).
HY 423G EUROPEAN DIPLOMATIC HISTORY 1871-PRESENT (3-0-3)(FS).

Graduate

HY 500 HISTORIANS AND HISTORICAL INTERPRETATION (3-0-3). A study of major historians and schools of historical interpretation from Ancient Greece to the twentieth century. Discussion concentrates in written history and the problems of interpretation. Oral and written participation and a major paper are required. PREREQ: Admission to graduate program or PERM/CHMN.

HY 501 HISTORY OF SCIENCE (3-0-3). A survey of man's efforts to understand the natural world from the ancient world to the present including pre-scientific assumptions, the evolution of science since the 16th century, and the development of modern scientific thought. May be taken for either HY or GS credit, but not both.

HY 502 TEACHING HISTORY IN SECONDARY SCHOOLS (3-0-3). An inquiry into the philosophy of history, a consideration of the relationship on the discipline to other social studies and other fields of knowledge, and a survey of various techniques available to teachers of history at the secondary school level. PREREQ: Admission to the graduate program or PERM/CHMN.

HY 510 HISTORY OF WESTERN THOUGHT (3-0-3). History of Western thought beginning with the Ancient Near East to the Renaissance and Reformation. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. PREREQ: Admission to the graduate program of PERM/CHMN.

HY 511 HISTORY OF WESTERN THOUGHT (3-0-3). History of Western thought from 1500 to the present. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. PREREQ: Admission to the graduate program or PERM/CHMN.

HY 520 SOURCE OF AMERICAN VALUES (3-0-3). The origins of American thought and culture, the Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and exploration of American values on the eve of the Civil War. Laissez-faire capitalism thereafter and the reaction to industrialism. PREREQ: Admission to graduate program or PERM/CHMN.

HY 580 GRADUATE SEMINAR IN U.S. HISTORY (3-0-3). A study of the principal themes or problems within well-defined periods of particular fields of U.S. History. Emphasis will be placed upon reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. PREREQ: Admission to the graduate program or PERM/CHMN.

HY 581 GRADUATE SEMINAR IN EUROPEAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European history. PREREQ: Admission to graduate program or PERM/CHMN.

HY 582 GRADUATE SEMINAR IN THIRD WORLD HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in Third World history. Primary emphasis will be placed upon reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. PREREQ: Admission to graduate program or PERM/CHMN.

HY 591 PROJECT (3 credits).

HY 592 HISTORY COLLOQUIUM (3 credits).

HY 593 RESEARCH AND THESIS (6 credits).

HY 598 HISTORY SEMINAR (3 credits).

Master of Science in Education—Mathematics Emphasis

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.
      An oral examination over all coursework included in the student's program
   c. The 33-hour 'thesis option" is the same as the "project option" except that M 591 is replaced with M 593

2. Mathematics Requirements
   a. Required Courses
      M 501, 502 Real Analysis I, II or M 541M 542 Modern Algebra6
      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 431G-432G PROBABILITY AND STATISTICS (3-0-3)(FS).
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, generalized 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).

M 564 MATHEMATICAL MODELING (3-0-3)(SU). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models; optimization. Examples will be drawn from the physical, biological, and social sciences. A modeling project will be required. PREREQ: M 361 and M 122 or PERM/INST.
M 571 MATHEMATICAL CURRICULUM 7-12 (3-0-3). The history of the 7-12 mathematics curriculum; content, special problems, and trends in mathematics programs; organization of the curriculum. Study of reports and recommendations, curriculum development projects. PREREQ: At least one year's experience teaching in secondary school mathematics.

M 591 PROJECT (May be taken for 3 to 6 credits). A project may include, but is not limited to, a library research paper, educational research or written curriculum with teaching materials. The student must be admitted to candidacy.

M 593 THESIS (May be taken for 3 to 6 credits). Original mathematical research or a new interpretation or novel exposition of existing mathematics. Course is arranged with supervising faculty member. PREREQ: Admission to candidacy.

M 598 SEMINAR IN MATHEMATICS (3-0-3). The content will vary within a format of student presentation and discussion of relatively advanced mathematical topics selected from texts or mathematical journals. This will not be a seminar in mathematics education.

Master of Arts in Education

Music Emphasis

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 his advisor 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
   M 503 Introduction to Research Materials in Music Education 3
   M 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), 541 (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 (0-2-1/F,S). A general chorus open to all interested students. The format of the classes will be related to the size of the enrollment, i.e., choir, chamber ensemble or college 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 musical theater repertoire. May be repeated for up to 4 credits maximum. PREREQ: PERM/INST.
ME 520 INSTRUMENTAL ENSEMBLE (0-V-3X/F,S). A performing group or groups will be formed, depending on the size of enrollment, such as trios, quartets, band or orchestra. Opportunities to perform ensemble music of various kinds will be given. Emphasis will be placed on techniques of ensemble playing, interpretation, phrasing, 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 (3-0-3/F).
MU 424g COUNTERPOINT SINCE 1600 (3-0-3/F).

Graduate

MU 501 HISTORY OF MUSIC IN THE UNITED STATES (3-0-3/F). Designed for either the non-specialist or specialist in music, this course will survey the role which music has played in the development of American culture. Among the topics covered will be early New England music, music of the Blacks, Indians, and other ethnic groups. Social and historical interrelationships with music will be examined and discussed.
MU 503 INTRODUCTION TO RESEARCH MATERIALS IN MUSIC EDUCATION (3-0-3/F). 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 (3-0-3/F). An historical, generic survey of the repertoire in choral literature. Emphasis will be placed on facets of interpretation through a study of representative compositions from the standpoint of performance practice, analytic techniques, and the reading of primary sources of pertinent information.
MU 506 SEMINAR IN INSTRUMENTAL MUSIC: PERFORMANCE PRACTICES AND STYLES (3-0-3/F). Analysis and study of works from the Baroque through the present era. Particular attention will be paid to performance practices of ornamentation, style, tempo, scoring, dynamics, etc. Band transcriptions also included.
MU 511 20TH CENTURY MUSICAL STUDIES (3-0-3/F). A study of 20th century compositional techniques and performance practices through analysis, discussion of aesthetics, listening, performance, and creative writing. Contemporary techniques (and their notation), such as quartal harmonies, serialization, improvisation, electronic music, microtones, and multi-media, will be explored and their application to the secondary school music classroom will be discussed.
MU 561 ADVANCED CONDUCTING (3-0-3/F). Designed for secondary music teachers, this course provides opportunity to discover and analyze technical conducting problems, both instrumental and choral, in music of the various historical eras, which forms a significant part of the secondary school repertoire.
MU 570 NEW DEVELOPMENTS IN MUSIC EDUCATION (3-0-3/F). Designed to acquaint the music specialist with recent ideas in music education, including major trends in curriculum, new methodology, music in integrated courses, and reports of major conferences and symposia.
MU 571 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING MUSIC IN THE ELEMENTARY SCHOOL (3-0-3)(F/S). Designed for the general classroom teacher or music specialist, the course deals with old and new approaches to teaching music in the classroom, teaching materials, current research on problem singers, creative musical activities, and the development of music reading skills. PREREQ: MU 371 or PERM/INST.

MU 572 LISTENING AND SINGING EXPERIENCES FOR THE ELEMENTARY SCHOOL (3-0-3)(F/S). Designed for the general classroom teacher or music specialist, the course deals with the study of singing and listening materials relevant to classroom music, K-6. Sequential curriculum plans will be developed for singing and listening experiences. PREREQ: MU 371 or PERM/INST.

MU 573 ADVANCED METHODS AND TECHNIQUES FOR THE INSTRUMENTAL INSTRUCTOR (3-0-3)(F/S). A study of causes and solutions for problems occurring in the instrumental rehearsal. Areas to be covered include instrumental methods and techniques, organization and repertoire planning.

MU 574 ADVANCED METHODS AND TECHNIQUES FOR THE CHORAL INSTRUCTOR (3-0-3)(F/S). A study of causes and solutions for problems occurring in the choral rehearsal. Areas to be covered include vocal methods and techniques, organization and repertoire planning.

MU 575 ADMINISTRATION OF SCHOOL MUSIC (3-0-3)(F/S). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel and philosophy.

MU 591 CULMINATING PROJECT (0-0-3). Details for the culminating project can be found in requirements for Master's degree in secondary education, music emphasis.

MU 593 THESIS (0-0-6). A scholarly paper embodying results of original research which are used to substantiate a specific view.

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.

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 college 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.
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, Maclinns; 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.

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<td>Dental Laboratory DA 101-102</td>
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<td>Dental Radiology DA 104</td>
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<td>Dental Assisting Clinical Experience DA 106</td>
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<td>Standard First Aid and CPR PE 121</td>
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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 (3-3-5)(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)(F/S). Enables the students to use our language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of preparation.

DA 151-152 DENTAL THEORY (6-0-6)(F/S), (6-0-6)(S). Lectures cover the basic dental sciences and dental specialties.

DA 262 OCCUPATIONAL RELATIONS (2-0-2). The course is designed to enable a student to become skilled in dealing effectively with people, ethics and responsibilities within the law, job application and interviewing. One Semester course.

Practical Nursing—Eleven Month Program

Certificate of Completion

The Practical Nursing Program, in cooperation with three hospitals, a long term care facility and the State Board for Vocational Education, is approximately 11 months in length and consists of hospital and long term care nursing experiences and classroom instruction. A certificate is awarded upon graduation from the course. Students are then eligible to take the state licensing examination, which, if passed, qualifies them to practice as licensed practical nurses. The program is approved by the Idaho 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 remotivation techniques in the care of the aged and long-term patient. Failure to meet requirements in either theory or clinical areas may result in termination from the program.

Admission Requirements: Entrance requirements: High school graduate or pass the General Educational Development Test. Satisfactory scores on the pre-entrance test, which is given by Boise State University. A complete medical examination is required. The applicant will be interviewed by a committee. Thirty students will be selected for the 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..........................2
- Pharmacology Clinical PN 108.......................................... 1
- Geriatric Nursing PN 109..................................................1
- Geriatric Clinical PN 110.................................................1
- 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

School of Vocational Technical Education

Course Offerings

PN PRACTICAL NURSING

- PN 101 PROFESSIONAL CONCEPTS (2-0-2)(F/S). 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 (4-4-4). 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 (6-28-7). 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 109 GERIATRIC NURSING (1-0-1). A study of the health needs and problems particular to the elderly patient.
- PN 110 GERIATRIC CLINICAL (0-4-1). Clinical experience for PN 109. PREREQ: PN 109.
- PN 112 MATERNAL AND INFANT CLINICAL (0-8-2). Clinical experience for PN 124. PREREQ: PN 124.
- PN 113 PEDIATRIC CLINICAL (0-8-2). Clinical experience for PN 125. PREREQ: PN 125.
- PN 114 FUNDAMENTALS OF NURSING (3-4-5). The student will develop skills in activities and procedures basic to patient care and includes medical terminology.
- PN 115 CLINICAL FOUNDATIONS (0-12-3). Clinical experience for PN 114. PREREQ: PN 114.
- PN 117 CLINICAL ELECTIVES (0-2-1). The student will obtain clinical experiences in specialty area as arranged by the instructor.
- PN 118 PRACTICAL NURSING SPECIAL THEORY (V-V 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 to 10). Designed to provide the opportunity for specific clinical experience. The clinical offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.
- PN 120 COMMUNITY HEALTH AND MICROBIOLOGY (1-0-1). A study of the health needs of the individual, the family, the community and microbiology.
- PN 121 MEDICAL AND SURGICAL NURSING I (8-0-8). A study of diseases and disorders of the body systems including planning, implementation and evaluation of nursing care.
- PN 122 MEDICAL AND SURGICAL NURSING II (6-0-7). 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.

1st SEM 2nd SEM

ST 100 Introduction & Basic Sciences .................. 3 -
ST 101 Operating Room Techniques .................. 5 -
ST 102 Sterilization & Disinfection ................. 4 - 1
ST 110 Care of Surgical Patient .................. 4 -
ST 111 Surgical Procedures .................. 7 -
ST 131 Clinical Practice .................. 3 -
ST 132 Advanced Clinical Practice ................. 6 -
PE 121 Standard First Aid and CPR ................. 1 -
Z 111 Anatomy and Physiology .................. 4 -
Z 112 Anatomy and Physiology 19 18

Course Offerings

ST SURGICAL TECHNOLOGY

ST 100 INTRODUCTION AND BASIC SCIENCES (3-0-3)(F). Includes modules: (1) The Health Care Team and its Language; (2) The Evolution of Asepsis; (3) Ethical Moral and Legal responsibilities; (4) The Operating Room Suite; (5) Principles of Asepsis; (6) Introduction to Pharmacology; (7) Introduction to Oncology; (8) Introduction to Treatment of fractures; (9) Diagnostic Procedures.

ST 101 OPERATING ROOM TECHNIQUES (3-3-4)(P). Includes modules: (1) Safety and Economy in the Operating Room; (2) Duties of the Scrub and Circulating Technician; (3) The Surgical Hand Scrub, Gowning and Gloving; (4) Draping Techniques; (5) Sutures and Needles; (6) Sponges, Dressings, Drains, Care of Specimens; (7) Instruments and Special Equipment.

ST 102 STERILIZATION AND DISINFECTION (1-1-4)(B). Includes modules: (1) Introduction to Microbiology — The Microbe; (2) Introduction to Microbiology — The Body's Defenses; (3) Injury, Wound Healing and Hemostatis; (4) Infection — The Process, Prevention and Control; (5) Sterilization and Disinfection Methods.

ST 131 CLINICAL PRACTICE (2-6-3)(F). Includes patient care and beginning experience in the operating rooms, outpatient and central supply.

ST 132 ADVANCED CLINICAL PRACTICE (4-6-0)(S). Includes advanced experience in surgery, scrubbing, and circulating. PREREQ: ST 131.

Child Service/Management

Day Care Assistant—Nine Month Program

Certificate of Completion

This program is planned for people interested in working with children as an assistant in private, play grounds, camps, day care centers, nurseries, kindergartens, and child development centers.

1st SEM 2nd SEM

Advanced Child Care CC 255 .................................. 3 -
Intro to Kindergarten Curriculum CC 256 ................ 2 -
Infant Care CC 257 .................................. 3 -
Child Care Center Management CC 231-232 ...... 2 -
Family and Communal involvement with Child CC 252 ... 3 -
Occupational Relationships CC 261 .................. 2 -
Feeding Children CC 241-242 .................. 3 -
Child Care Center Supervision CC 201-202 .......... 3 -
Contract Pract in Early Child Superv CC 235-236 .... 2 -
Plan and Eval of Child Care Center Supvr CC 235-236 ... 1 -

Course Offerings

CC CHILD CARE STUDIES

CC 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-0-3). Basic principles of child growth and development, the individual needs of preschool children, their language development, understanding their behavior and techniques of guidance and discipline.

CC 111, 112 COMMUNICATION SKILLS (3-0-3)(P). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

CC 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD PROGRAMS (0-4-1). Individual contract arrangement involving students, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

CC 135-136 PLANNING AND EVALUATION OF LABORATORY EXPERIENCE (2-0-2). Classroom lecture and discussion to include lab observation and records, methods of curriculum planning and evaluation, activity plans, classroom objectives, and staff performance and relations.

CC 141 HEALTH AND CARE OF THE YOUNG CHILD (3-0-3). Safety practices, basic nutrition, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Includes maintenance of teachers health, red cross multimedia first-aid emergency training and a workshop on the safe maintenance of toys and equipment.

CC 171-172 CURRICULUM OF THE YOUNG CHILD (3-0-3). Curricula media suitable for preschool children. Includes theories of teaching curriculum subjects; the need for a curriculum in nursery school; and specific information, materials and the opportunity to use them in the following areas: art, story telling, music, environmental science, beginning number and letter recognition.

CC 181-182 CHILD CARE LABORATORY (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 arrangement, schedules, child guidance, staff responsibilities.

CC 201-202 CHILD CARE CENTER SUPERVISION (1-12-4). With instructor supervision, students will assume responsibility of lab preschool and plan curriculum activities, supervise staff, plan daily and weekly schedules and study techniques for child evaluations and parent conferences. Emphasis is placed on child guidance techniques and curriculum development. PREREQ: CC 181-182.

CC 225-226 CONTRACTED PRACTICUM IN EARLY CHILDHOOD PROGRAMS (0-8-3). A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and

160
skills in community child care settings. Individual contract arrangement involving student, instructor and cooperating agency to gain practical experiences in off-campus settings. PREREQ: CC 125-126.

CC 231-232 CHILD CARE CENTER MANAGEMENT (2-0-2)(F) (3-2-3)(S). Introduction to the business practices in the operation of a child care center. Includes business arithmetic, record keeping, purchasing of supplies and equipment, and employer-employee relationships. Also includes licensing procedures required for day care centers.

CC 241-242 FEEDING CHILDREN (3-0-3). Nutritional requirements of preschool children in child care centers. Students plan, purchase, prepare and serve nutritious snacks and meals to children in the CC lab. Also emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes.

CC 252 FAMILY AND COMMUNITY INVOLVEMENT WITH CHILDREN (3-0-3). History and dynamics of family interaction; review of cultural life styles. Emphasis will be placed on the need for establishing effective relationships with parents of children in child care centers and the community resources available to both parents and the center.

CC 255 ADVANCED CHILD CARE (3-0-3)(F). A review of the history of child care and present day child care facilities in the U.S. and locally. Also covered in class are classroom management, caring for exceptional children and qualifications of people caring for children in group situations. PREREQ: CC 101-151.

CC 256 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-2S). Kindergarten curriculum theory and practices are presented so that the student has a working knowledge of the kindergarten classroom. PREREQ: CC 255.

CC 257 INFANT AND TODDLER CARE (2-0-2S). Total care of infants and toddlers in group day care homes and centers. Besides physical care emphasis is also placed on the emotional and social nurturing of infants and toddlers. PREREQ: CC 101-151.

CC 261 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

Culinary Arts—Eleven Month Program
Certificate of Completion

The purpose of the Culinary Arts Program is to prepare each student with the skills and knowledge necessary to enter and advance in the culinary arts professions. Learning experiences are structured to ensure that students are ready to enter the profession as a cook or a related occupation upon graduation. A variety of experiences and instructional strategies are provided to cover the operations of institutional food preparation; franchise operations; family style, motel and hotel specialty houses and catering.

Theory classes and laboratory experiences are combined to provide the student with the basic skills required for: preparation of foods; safe and efficient use of utensils and equipment; quantity food preparation; portion control; menu planning; purchasing, receiving, management of monies, food cost accounting and storeroom management; harmonious relationships with co-workers; and food service management practices.

The Culinary Arts Program is coordinated with the Bureau of Apprenticeship Training and the Idaho Chef's Association to enhance the completers' opportunities to advance in a career ladder within the food service industry.

Course Offerings

CA CULINARY ARTS

CA 103-104-105 CULINARY ARTS LAB (0-25-10). Correlates the theory with actual large quantity food service practice in situation similar to those found in the culinary arts industry.

CA 143-144-145 CULINARY ARTS THEORY (3-0-5). Theory necessary to prepare a student to be a culinary arts worker and develop an understanding of such principles as fundamental operations of basic nutrition, purchasing, storage, handling, safety, sanitation, handling of prepared foods, bus and set tables, wait on tables, dining room etiquette and dishwashing.

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 and theory content to the solution of practical problems in horticulture. Specific areas of application include soils and soil amendments; construction of growing containers and houses; arrangements, implementation of entire greenhouse operation and bedding plant production; the use of insecticides; pesticides, etc., and precautions necessary during use.

HO 111, 112 COMMUNICATION SKILLS (3-0-3)(F). 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, and decimals.

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 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 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 pest application.
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:

**Marketing: Mid-Management, Two Year 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:

**Office Occupations—Nine Month Program**

**Course Offerings**

**OF OFFICE OCCUPATIONS**

**OF 100 BOOKKEEPING I (3-4-5:FS)** Covers the entire bookkeeping cycle for sole proprietorship bookkeeping. Includes journalizing, posting, financial statements, payroll, and closing procedures.

**OF 101 BOOKKEEPING II (3-4-5:FS)** Covers the entire bookkeeping cycle for a corporation. Includes the use of special journals, cash register system, sales, taxes, uncollectable accounts, depreciation, disposal of plant assets, notes, accruals, partnerships, and corporations.

**OF 102 TYPING I (2-8-4:FS)** Theory and keyboard operations on the typewriter with applications for personal or business use. Developing/measuring basic skills.

**OF 103 TYPING II (2-8-4:FS)** Review of typing fundamentals for developing speed and accuracy with applications of these skills for business use. Measuring basic/production skills.

**OF 104 TYPING III (2-3-4:FS)** Continued study of typewriting procedures to develop speed and accuracy in office applications. Measuring basic/production skills.

**OF 110 BUSINESS COMMUNICATIONS (5-0-5:FS)** Emphasis on developing grammar skills such as parts of speech, punctuation, capitalization, spelling, and vocabulary skills.

**OF 112 FILING (1-4-1:FS)** Designed to provide fundamental training in records management so students will be able to meet entry-level records management needs of business. At conclusion of the course, students will have learned to handle all types of correspondence and forms most frequently found in modern offices. They also will have had experience with the four filing methods: alphabetic, numeric, subject, and geographic.

**OF 114 WORD PROCESSING (2-3-3:FS)** The development of speed and accuracy in machine transcription by using programmed tapes and simulated office work experience. Student will learn to transcribe from machine letters, transcripts, memos, reports and statistical tables. Also included is the development of skills using memory typewriter and other up-to-date word processing equipment. Emphasis is placed on creation, storage, and retrieval of typed material.

**OF 115 SHORTHAND I LAB (0-2-1:FS)** Open lab to be used in conjunction with OF 121.

**OF 116 RECORD KEEPING (2-2-1:FS)** Fundamental operations of Records 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 (0-2-1:FS)** Open lab to be used in conjunction with OF 122.
OF 118 BUSINESS MATH/MACHINES (3-2-4)(F). Fundamental operations of arithmetic in business usage. Decimals, fractions, percentages, interest discounts, markup, installment buying, depreciation. Student will learn the touch system using the electronic printing calculator.

OF 120 BUSINESS WRITING (5-0-5)(S). Designed to emphasize the building of a foundation in effective business writing principles. Preparation of a variety of business letters is required.

OF 121 SHORTHAND I (5-0-4)(F). A beginning course in Gregg Shorthand. Emphasis is placed on theory, writing skill, vocabulary development. PREREQ: Demonstrated proficiency in typewriting or current enrollment in typewriting.

OF 122 SHORTHAND II (5-0-4)(F/S). Review of shorthand theory with emphasis on dictation and transcription to improve speed and accuracy. PREREQ: OF 121 or advanced placement through proficiency exam.

OF 123 SHORTHAND III (5-0-4)(F/S). Emphasis on the building of a broad shorthand vocabulary and the development of high speed in dictation with rapid transcription. PREREQ: OF 122 or advanced placement through proficiency exam.

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

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<tr>
<th>Course</th>
<th>Fall</th>
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<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>Occupational Relationships AE 262</td>
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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 plant equipment, 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, wiretreeed), 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.

Heavy Duty Mechanics—Diesel—Eleven Month Program
Certificate of Completion
This program is designed to prepare students for entry level employment in the heavy duty 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.

School of Vocational Technical Education

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)(F), (8-0-5)(S), (10-0-5)(SU). This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science necessary for and related to the trade are provided.

AB 262 OCCUPATIONAL RELATIONS (2-0-2). Designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

Auto Mechanics—Eleven Month Program
Certificate of Completion
The program is designed to provide students with classroom and laboratory experiences that will prepare them for employment in new car dealerships or independent garages. The proper use of diagnostic equipment and shop machine tools are emphasized.

SUBJECTS

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<tr>
<td>AM Tune-up and Drive Train AM 105</td>
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<td>AM Engine and Brakes AM 106</td>
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<td>AM Front End &amp; Air Cond AM 107</td>
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<td>Occupational Relations AM 262</td>
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Course Offerings

AM AUTO MECHANICS
AM 105 AUTO MECHANICS TUNE-UP AND DRIVE TRAIN (10-20-15)(F). This course covers basic electricity, carburetion, ignition systems, generator testing, alternator rebuilding and testing, emission testing, starter rebuilding, automatic and standard transmissions, rear axles, and universal joint replacement.

AM 106 AUTO MECHANICS ENGINE AND BRAKES (10-20-15)(S). This course covers disassembly of engines, measurement of wear, and rebuilding procedures. Braking systems are studied with emphasis on shoe replacement, drum and rotor machining, and rebuilding of wheel and master cylinders.

AM 107 AUTO MECHANICS FRONT END AND AIR CONDITIONING (10-20-15)(SU). Front ends are checked for wear and rebuilt as necessary. Alignment of wheels is checked and corrected as required. In the Air Conditioning section, students are taught diagnosis of air conditioning problems, replacement of components, and evacuation and recharging with suitable refrigerant.

AM 262 OCCUPATIONAL RELATIONS (2-0-2)(F). Course designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining, and advancing in employment. One semester course.
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.

SUBJECTS

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<tr>
<td>Small Engine Laboratory SE 101-102</td>
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<td>Small Engine Theory SE 141-142</td>
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<td>Occupational Relationships SE 262</td>
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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 (0-32-0). Repair and maintenance of recreational vehicles, motorcycles, snowmobiles and outboard marine engines.
SE 141 SMALL ENGINE THEORY (0-4-6). 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 (0-4-6). 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.

SUBJECTS

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<tr>
<td>Air Conditioning Lab RH 121-122-123</td>
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<td>Occupational Relationships RH 262</td>
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Course Offerings
RH AIR CONDITIONING, REFRIGERATION AND HEATING
RH 121-122-123 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (0-20-0) (0-20-0) (0-26-3). These courses provide the laboratory application of principles covered in the theory class. Skills will be developed and practice will be provided which will be needed by the service person. Different phases of air conditioning, refrigeration and heating will be covered.
RH 141-142-143 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (10-0-10)(10-0-10)(10-0-4). This sequence of courses provides a basic understanding of the equipment and tools used on commercial equipment. Emphasis is on causes of breakdown and the making of necessary repairs. Test equipment is used in the inspection of components such as relays, thermostats, motors and refrigerant lines.
RH 262 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, securing, maintaining and advancing in employment.

Electrical Lineworker—Eleven Month Program
Certificate of Completion

The Electrical Lineworker Program provides the student with the best and most complete basic preparation possible in overhead and underground construction and maintenance procedures. Centering around a basic program of performance based objectives, instructional materials and field experiences, the program provides the student with the necessary skills and knowledge needed as a firm foundation in this rapidly advancing field.

In the laboratory experience with equipment such as transformers, oil circuit breakers, switches, materials and pole line hardware, hot line tools, test equipment, bucket truck, line truck, trencher/backhoe, and related equipment components, the student will have “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 lineworker 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.

SUBJECTS

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<td>Occupational Relationships EL 262</td>
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Course Offerings
EL ELECTRICAL LINELINER
EL 101-102-103 ELECTRICAL LINELINER LABORATORY (0-25-10). The field operation provides actual "job type" experience for the student. Course content includes advanced climbing techniques, ropes and rigging, pole setting and removal, framing of various structures for transmission and distribution, guys and anchors, conductor and insulator installation of transformers and transformer banks, services, street lights, underground distribution design, construction and maintenance, trouble shooting 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 LINELINER THEORY (0-10-5). The theory portion of the program provides the student with 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 at an area wastewater facility.

SUBJECTS

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Math I WW 131</td>
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<tr>
<td>Wastewater Math II WW 132</td>
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<tr>
<td>Wastewater Bio-Chem Lab II WW 103</td>
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<td>Wastewater Bio-Chem Lab II WW 107</td>
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<tr>
<td>Wastewater Mechanical Lab I WW 104</td>
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<td>Wastewater Mechanical Lab II WW 106</td>
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<tr>
<td>Wastewater Treatment Plant Ops I WW 151</td>
<td>3</td>
</tr>
<tr>
<td>Wastewater Treatment Plant Ops II WW 152</td>
<td>3</td>
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<tr>
<td>Occupational Relations WW 262</td>
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</tbody>
</table>

SUMMER

Plant Practicum WW 105

8

Course Offerings

WW WASTEWATER TECHNOLOGY

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 ox-youylene and arc welding. Reading blueprints and schematics. Learning basic skills of pipelting. 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 (3-8-3). Introduction to wastewater treatment plant operations, including collection systems, pre-treatment, primary sedimentation, aerobic and anaerobic digester operations. Related math, communication, and chemistry.

WW 152 WASTEWATER TREATMENT PLANT OPERATIONS II (3-8-3). 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.

Eleven Month Program

The Wastewater Technology Program 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.

Technical Division

Manager: Gary Arambarri; Electronics Technology: Carlton, Dodson, Pyle, Sluder, Stack; Drafting Technology: Benton, Burkey, Olson, Watts; Industrial Mechanics: Allen; Machine Shop: Wertman, Glassen; Welding: Baldner; Business Machine Technology: Cadwell, Jones, Jonsson.

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

<table>
<thead>
<tr>
<th>1st SEM</th>
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<tbody>
<tr>
<td>Electronics Laboratory ET 101-102</td>
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<tr>
<td>Communication Skills ET 111-112</td>
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<tr>
<td>Technical Report Writing ET 121</td>
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<td>Electronics Math I ET 131-132</td>
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<tr>
<td>Basic Physical Science ET 142</td>
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<tr>
<td>Electronics Theory ET 151-152</td>
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<tr>
<td>Intro to Digital Electronics ET 161</td>
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<td>Digital Systems I ET 162</td>
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18 18

SOHOMORE YEAR

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<tr>
<td>Linear Systems Lab ET 201</td>
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<tr>
<td>Telecommunications Lab ET 202</td>
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<td>Calculus I-II ET 231-232</td>
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<tr>
<td>Telecommunications Systems ET 252</td>
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<td>Occupational Relations ET 262</td>
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<tr>
<td>Microprocessor Systems ET 277</td>
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<tr>
<td>Microprocessor Systems Lab ET 278</td>
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</table>
*Occupational Electives | 18 17 |

Total Number of Credit Hours: 71

* Elective chosen from following course offerings to fulfill Occupational Area core requirements. These selections are also chosen with the intent of fulfilling the general education requirements for the associate of applied science degree: CM 101, EC 201, EC 202, AC 205, AC 206, CB 202, IS 210, CM 111, CM 131, CM 231 CM 231, MG 301, ES 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.
ET ELECTRONIC TECHNOLOGY

ET 101 ELECTRONICS LABORATORY I (0-10-2)(F/S). Experiments in direct current electronics. Study of resistance, dc circuit behavior, dc applications of capacitors and inductors, dc operation of transistor circuits, and characteristics of dc test equipment.


ET 113 TECHNICAL REPORT WRITING (1-4-2)(F/S). Composition of standardized technical reports, proper usage of electrical schematic drawings and proper use of headings and punctuation.

ET 131 ELECTRONICS MATHEMATICS I (3-2-3)(F/S). The number system, algebra and algebraic equations, functions 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 electric 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, techniques and modeling will be discussed. PREREQ: ET 131-132 or M 111 or the equivalent.

ET 183 INTEGRATED CIRCUIT PROCESSING I (2-0-2)(S). A descriptive treatment, in some chemical and mathematical detail, of the processes used to manufacture integrated circuits. PREREQ: ET 181, 182.

ET 201 LINEAR SYSTEMS LAB (0-5-1)(F/S). Laboratory exercises to complement ET 251. Linear amplification and signal processing circuits including integrators, differentiators, active filters, oscillators, comparators, differential amplifiers, and specialized non-linear amplifiers. PREREQ: ET 152, ET 172.

ET 202 TELECOMMUNICATIONS LAB (0-5-1)(F/S). Laboratory exercise to complement ET 252. Communication experiments in radio frequency generation and measurement, amplitude and frequency modulation, frequency shift keying, pulse width and position modulation, radio frequency reception circuits, demodulation and detection, heterodyne systems, and automatic frequency control. PREREQ: ET 251.


ET 241 INSTRUMENTATION (2-0-2)(F). Electronic measurement through use of sensors, transducers, and detectors. Introduction to the measurement of temperatures, voltages, currents, pressures, and other physical quantities. PREREQ: ET 132.


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). Laboratory exercises to complement ET 264. See ET 264 course description. PREREQ: ET 162.

ET 273 SOLID STATE DEVICES II (2-0-2)(F). Study of solid state devices including silicon controlled rectifiers, tunnel diodes, optoelectronic devices, power FET devices, and solid state transducers. PREREQ: ET 172.

ET 274 SOLID STATE DEVICES LAB II (0-4-1)(F). Laboratory exercises to complement ET 273. Study of characteristics of SCR devices, photodiodes and phototransistors, light emitting diodes, laser diodes, LASC devices, power field effect transistors, solid state temperature sensors and strain gauges. PREREQ: ET 172.


ET 278 MICROPROCESSOR SYSTEMS LAB (0-5-1)(F). Laboratory exercises to complement ET 277. See ET 277 course description. PREREQ: ET 264.

ET 281 INTEGRATED CIRCUIT LAYOUT (2-6-2). Lecture and drafting techniques used in the design of integrated circuit photolithographic masks. Focus to be on N-MOS silicon gate memory devices. PREREQ: ET 183.

ET 291 INTRODUCTION TO SOLID STATE PHYSICS (3-0-3)(S). A study of the interaction of wave phenomena (electromagnetic radiation, lattice vibration, and electrons) with the lattice in a solid. Attention is focused on an understanding of the electrical and thermal properties of solids, metals and semiconductors, in particular. Other selected topics from solid state and low temperature physics. PREREQ: PH 102 or PH 220-224.

ET 292 SOLID STATE DEVICE PHYSICS (3-0-3)(S). Introduction to the theory underlying the operation of semiconductor devices. The emphasis is placed on qualitative understanding and simple quantitative models. PREREQ: PH 291, ET 231 or M 204, C 131.

Electronics Service Technology—Two Year Program

Electronics Service Technology and Electronics Technology have a common first year. Please see Electronics Technology for course descriptions for the Freshman year.

FRESHMAN YEAR

Electronics Service Technology

SOPHOMORE YEAR

Adv. Electronics Laboratory ES 201-202 ........................................ 4 4
Intro to Computer Programming ES 204 ....................................... 2 2
Advanced Electronics Technology ES 255-256 ............................... 4 4
Advanced Digital Electronics ES 271-272 ..................................... 4 4
Individual Study ES 275 .......................................................... - 2
Electives (Economics & Industrial & Human Relations) .................. 3 3

Course Offerings

ES—ELECTRONICS SERVICE TECHNOLOGY

ES 201-202 ADVANCED ELECTRONICS LAB (0-16-4). Experiments and troubleshooting exercises of advanced electronic circuits and systems covered in ES 255-256 (analog) and ES 271-272 (digital).

ES 204 INTRODUCTION TO COMPUTER PROGRAMMING (2-0-2). Introduces FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and subprograms, as applied to problem solving and required by the service industry.

ES 255 ADVANCED ELECTRONICS TECHNOLOGY I (4-1-4). Study of video circuits and systems, signal processing, alignment, and troubleshooting. PREREQ: ES 152.

ES 256 ADVANCED ELECTRONICS TECHNOLOGY II (4-1-4). Study of RF communications systems, including RF generation, amplification, modulation and multiplexing, radiation, and reception. PREREQ: ES 256.

ES 262 OCCUPATIONAL RELATIONS (3-0-3). Course is designed to enable a student to become skilled in dealing effectively with people and applying for, gaining, retaining and advancing in employment. Elective.

ES 263 SHOP MANAGEMENT (3-0-3). Study of shop management including methods of pricing, bookkeeping, and warranty reimbursement. Elective.

ES 271 ADVANCED DIGITAL ELECTRONICS I (4-1-4). Study of advanced digital circuits and systems including memory devices, basic microprocessor architecture and machine language programming. PREREQ: ES 162.

ES 272 ADVANCED DIGITAL ELECTRONICS II (4-1-4). Continuation of ES 271 leading into microprocessor interfacing and control of electro-mechanical systems with emphasis on troubleshooting. PREREQ: ES 271.

ES 296 INDIVIDUAL STUDY (2-2-2). Individualized program of study agreed to 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

Drafting Lab and Lecture DT 101 ................................................. 4
Communication Skills DT 111 .................................................. 3
Mathematics DT 131 ............................................................... 3
Applied Physics DT 141 ............................................................ 3
Manufacturing Processes DT 153 .................................................. 2

Second Semester

Drafting Lab and Lecture DT 102 ................................................. 4
Communication Skills DT 112 .................................................. 3
Introduction to Surveying DT 122 ............................................. 2
Mathematics DT 132 ............................................................... 3
Applied Physics DT 142 ............................................................ 3
Construction Codes DT 172 ....................................................... 2

Third Semester

Drafting Lab and Lecture DT 201 ................................................. 4
Descriptive Geometry DT 221 ................................................... 3
Applied Mathematics DT 231 .................................................... 3
Statics DT 241 ................................................................. 3
Graphics DT 261 ................................................................. 1
Occupational Relationships DT 262 ............................................ 2

Fourth Semester

Drafting Lab and Lecture DT 202 ................................................. 4
Technical Report Writing DT 222 ............................................. 2
Applied Mathematics DT 232 .................................................... 3
Specialized Graphics DT 263 .................................................... 3
Strength of Materials DT 242 .................................................... 4

Course Offerings

DT DRAFTING TECHNOLOGY

DT 101 DRAFTING LABORATORY AND LECTURE (0-14-4). Mechanical drafting with basic drafting techniques, standards, methods, and basic block and schematic diagrams for electronics and piping with introduction to computer assisted drafting.

DT 102 DRAFTING LABORATORY AND LECTURE (0-14-4). Architectural drafting with tension compression and bending; introduction to limited structural design. PREREQ: DT 101.

DT 111, 112 COMMUNICATION SKILLS (3-0-3)(F). 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 computations. Required field work with emphasis on compiling data and office computations. PREREQ: or COREQ: DT 132.

DT 131 MATHEMATICS (4-1-4). Fundamentals of algebra with an introduction to Basic algebra and arithmetic operations with fractions, decimals, percentage, powers, operations with signed numbers, solutions of simple equations, 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 static 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, 123, 124.


DT 221 DESCRIPTIVE GEOMETRY AND DEVELOPMENT (3-1-3). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting applications.

DT 222 TECHNICAL REPORT WRITING (2-0-2)(F,S). Objective: to enable students to meet on-the-job standards of report preparation in the field of drafting.

DT 231 APPLIED MATHEMATICS (3-1-3). Solution of practical problems involving concepts from DT 131 and DT 132 Math. COREQ: 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 (1-1-3)(F,S). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. (Open to non-drafting technology majors—space permitting.

DT 262 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

DT 263 SPECIALIZED GRAPHICS (2-1-2). An intensive study of perspective and rendering as used in industrial illustration, architectural rendering and civil engineering, including mechanical and electronic methods. Lecture-Laboratory. PREREQ: DT 261 (Open to non-drafting technology majors—space permitting).

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

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<thead>
<tr>
<th>SUBJECT</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<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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<td>Electro-Mechanical Systems IM 110-111</td>
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<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 162</td>
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<tr>
<td>Certificate of Completion IM 262</td>
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</table>

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, servovalves, actuators, filtration, fluids, hydrosstats, and accessories.

IM 131-132 INDUSTRIAL MECHANICAL LABORATORY (0-20-2)(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 HP341 CIVL System. Demonstrations of programming and operating techniques are given the student for controlling/communicating with automated production equipment.

IM 262 OCCUPATIONAL RELATIONS (2-0-2)(S). Course is designed to enable a student to become skilled in dealing effectively with people in an industrial environment. Communication and writing skills for applying for, obtaining, retaining and advancing in employment are offered.
Machine Shop—Two Year Program
Associate of Applied Science Degree

Boise State University offers a specialized Machine Shop program for students desiring to become machine tool operators. Students receive instruction in the set-up and use of all basic machines including engine lathes, milling machines, grinders, surface grinders, computer numerical control machines and bench work connected with them. Students will also learn about the many different materials and processes used by industry. They will receive classroom instruction and practical experience in the use of various precision 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

#### Fall Spring

<table>
<thead>
<tr>
<th>Course Offering</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>
<td>4</td>
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<tr>
<td>Basic Math MS 132</td>
<td>2</td>
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<tr>
<td>Machine Shop Theory MS 151-152</td>
<td>3</td>
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<td>Occupational Relations MS 262</td>
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<tr>
<td>Fundamentals of Speech Commn CN 111</td>
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### SOPHOMORE YEAR

#### Fall Spring

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<tbody>
<tr>
<td>Advanced Machine Shop Lab MS 201-202</td>
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<tr>
<td>Blueprint Reading &amp; Layout MS 221-222</td>
<td>2</td>
</tr>
<tr>
<td>Advanced Math MS 231-232</td>
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<tr>
<td>Advanced Machine Shop Theory MS 251-252</td>
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<td>Elective (on approval)</td>
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</table>

### Course Offerings

#### MS MACHINE SHOP

MS 101-102 MACHINE SHOP LABORATORY (2-18-6). This sequence covers safety, shop practice, work habit, and production rates. Also included are the set-up and operation of the lathe, 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). Examines interpersonal communication, focuses on communication in life-long learning, on awareness of self, communicative relationships and written communications.

MS 124-125 RELATED BLUEPRINT READING (2-3)(4-0-4). This concerns with the study of the principles and techniques of reading blueprints as applied to the machine shop. The student will become familiar with the reading of machine shop blueprints.

MS 132 BASIC MATH (2-0-2). A study of fractions, decimals, metric system and basic math processes such as addition, subtraction, division and multiplication as applied to the machine shop.

MS 151-152 MACHINE SHOP THEORY (3-0-3). Machining processes and their application as practiced in the laboratory course. Safety and sound work habits are emphasized in all phases of instruction: set-up, care and maintenance of surface grinders, 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 grinding surface grinders, heat treatment, 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 measurements will be covered. PREREQ: MS 125.

MS 231-232 ADVANCED MATH (6-0-6). A study of trigonometry and geometry as applied to shop problems and the mathematics required for numerical control machining. A study of scientific principles required in the machinist trade is provided. PREREQ: MS 132.

MS 251-252 ADVANCED MACHINE SHOP THEORY (2-0-2). This course consists 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 relations, focuses on job seeking skills, employer and employee relations, social security and workers' 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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<tbody>
<tr>
<td>Lab W 101-102-103</td>
<td>5</td>
<td>5</td>
<td>7</td>
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<tr>
<td>Theory W 151-152</td>
<td>4</td>
<td>1</td>
<td>3</td>
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<tr>
<td>Blueprint Read &amp; Layout W 121-122</td>
<td>3</td>
<td>7</td>
<td>2</td>
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<tr>
<td>Welding Communication W 111</td>
<td>3</td>
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<td>7</td>
</tr>
<tr>
<td>Occupational Relations W 262</td>
<td>15</td>
<td>15</td>
<td>7</td>
</tr>
</tbody>
</table>

#### Course Offerings

**W WELDING**

**W 101-102 WELDING LABORATORY (0-20-5).** The basic to intermediate portion of this program includes electric arc (SMAW) with mild and low alloy steel electrode. Oxygen-acetylene (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen-acetylene cutting of steel, and the use of carbon arc welding equipment.

**W 103 WELDING LECTURE/LABORATORY (0-20-3)(SU).** Summer session (2 months) for basic students to continue on track and for advanced students to work into TIG, TIG and qualification tests. Further analysis on 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 (0-3-0)(F).** The summer session will include blueprint, basics of structural steel layout and fitting procedures. Spring semester will include blueprint, advanced structural steel and basic plate drawing including field assembly plans and related math.

**W 123 BLUEPRINT READING AND LAYOUT (2-0-2).** Summer session will include advanced plate and pipe drawings, including transitions and pipe elbows.

**W 151-152-153 WELDING THEORY (4-0-4)(1-0-2)(0-2).** The theory for the program covers all areas as related to the lab portion as well as material identification, material strength, forming methods, cast iron, material rigging and handling, and all aspects of safety.

**W 262 OCCUPATIONAL RELATIONS (3-0-3).** An examination of occupational requirements. Focuses on job seeking skills, employee and employer relations, social security and workers' compensation laws, C.P.R. and First Aid.

#### Business Machine Technology—Two Year Program

**Certificate of Completion**

The program provides an educational experience, which is designed 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.
Course Offerings

BM BUSINESS MACHINE TECHNOLOGY

BM 111-112 COMMUNICATION SKILLS (3-0-3). Objective to enable students to use language effectively as a tool for the Office Machine Industry; i.e., effective writing and verbal communication for sales and technical repair. (3 clock hours per week).

BM 113 CUSTOMER RELATIONS (2-0-2). Directed toward the tact and methods necessary to communicate with the public. (2 clock hours per week.)

BM 155 BUSINESS MACHINE TECHNOLOGY (5-17-9). This is a hands on theory/lab course in which the student is taught basic mechanical applied theory. (22 clock hours per week).

BM 156 BUSINESS MACHINE TECHNOLOGY (5-15-9). This is a hands on theory/lecture lab course in which the student is taught basic concepts of business machine repair. (20 clock hours per week).

BM 157-158 BASIC ELECTRONIC THEORY (4-1-4). Deals with basic electronics including properties of electronic components (5 clock hours per week).

BM 255-256 ADVANCED BUSINESS MACHINE TECHNOLOGY (7-17-11). This is a hands on theory/lab course in which the student is taught basic concepts of business machine repair including a special emphasis in troubleshooting techniques. Shop management, retail selling, computer programming and related math are also included. (24 clock hours per week) PREREQ: BM 155-156-157.

BM 271-272 ADVANCED ELECTRONIC THEORY (7-0-7). This course is a study of digital electronics, semiconductors, microprocessors. (7 clock hours per week).

Apprenticeship, Trade Extension and Job Upgrading

Managers: Gary Arambeari, 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, automotive, 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

A

Ackley, Louise (1969)
Assistant Professor, English; M.A., University of Washington
Affleck, Stephen B (1981)
Associate Professor, Engineering; Ph.D., Iowa State University
Allen, John W (1971)
Professor, Physics; Ph.D., Harvard University
Allen, Robert L (1976)
Advanced Instructor, Industrial Mechanics; B.A., Boise State University
Anderson, Robert (1970)
Professor, Mathematics; Ph.D., Michigan State University
Arambarri, Gary (1976)
Senior Instructor, Welding; Coordinator, Technical Division; Diploma, Boise State University
Ashworth, Lonny J (1977)
Associate Professor, Respiratory Therapy; M.S., College of Idaho
Ayers, Kathleen L (1983)
Assistant Professor, Mathematics; Ph.D., University of Idaho

B

Baichtal Melanie (1983)
Instructor, Practical Nursing; B.S.N., Cal State, Chico
Baker, Charles W (1968)
Professor, Biology; Ph.D., Oregon State University
Baker, Donald (1985)
Assistant Professor, History; Ph.D., University of Washington
Baker, Elizabeth (1980)
Associate Professor, Nursing; M.S., University of California San Francisco
Baker, Richard P (1973)
Professor, Sociology; Chairperson, Soc, Anthro, & CJA Department; Ph.D., Washington State University
Baldassarre, Joseph A (1975)
Assistant Professor, Music; M.A., Baldwin-Wallace College
Baldner, Ronald (1978)
Senior Instructor, Welding; M.S., University of Idaho
Baldwin, John B (1971)
Professor, Music; Ph.D., Michigan State University
Ball, Richard (1974)
Professor, Mathematics; Ph.D., University of Wisconsin
Banks, Richard C (1968)
Professor, Organic Chemistry; Ph.D., Oregon State University
Barrett, Gwynn W (1968)
Professor, History; Ph.D., Brigham Young University
Barsness, Wylla D (1968)
Professor, Psychology; M.A., University of Minnesota
Barton, Charles Ray (1981)
Associate Professor, Political Science; Ph.D., University of Alabama
Bauwens, Jeanne (1984)
Assistant Professor, Teacher Education; Ed.D., University of Idaho
Becher, Marc Joseph (1993)
Associate Professor, Biology; Ph.D., Washington State University
Betty, Jeann Marie (1983)
Assistant Professor, Music; M.A., Ball State University
Benson, Elmo B (1975)
Associate Professor, Art; Ed.D., University of Idaho
Bentley, Elton B (1980)
Associate Professor, Geology, Geophysics; Ph.D., University of Oregon
Benton, Danny (1983)
Instructor, Drafting Technology; B.S., La Salle Extension University
Berg, Lynn (1984)
Assistant Professor, Music; D.M.A., University of Wisconsin
Bidet, J. Patrick (1969)
Professor, Teacher Education; Ed.D., University of Idaho

NOTE: The Date in Parentheses Is The Year of First Appointment.

Bigelow, John D (1982)
Associate Professor, Management; Ph.D., Case Western Reserve University
Bixby, Michael (1981)
Assistant Professor, Management; I.D., University of Michigan
Blain, Michael (1983)
Assistant Professor, Sociology; Ph.D., University of Colorado, Boulder
Blankenship, Jim (1977)
Associate Professor, Art; M.F.A., Otis Art Institute
Bledsoe, Crissy M (1985)
Instructor, Nursing; M.S., University of Colorado, Boulder
Boren, Robert R (1971)
Professor, Communication; Chairperson, Communication Department; Ph.D., Purdue University
Bounds, Karen J (1973)
Associate Professor, Administrative Services; Ed.D., North Texas State University
Bowman, Clair M (1976)
Director, Institutional Research; Professor, Teacher Education; Ed.D., Indiana University
Boyer, Dale K (1968)
Professor, English; Ph.D., University of Missouri
Bragg, J. Wallis (1970)
Associate Professor, Music; M.M., University of Utah
Brander, Susan I (1967)
Professor, Computer Information Systems; Ph.D., University of Iowa
Brinton, Alan P (1975)
Professor, Philosophy; Ph.D., Utah State University
Brown, Timothy (1977)
University Librarian; Associate Professor, Library Science; M.S., University of Illinois
Brownfield, Theodore (1979)
Standard Instructor, Hvy-Duty Mechanics (Diesel)
Buhrer, Peter (1980)
Assistant Professor, History; Ph.D., University of California San Diego
Burkling, Richard E (1968)
Executive Vice President; Professor, Education; Ed.D., University of Alabama
Burkey, Ralph (1973)
Senior Instructor, Drafting Technology
Burmaster, Orvis (1968)
Assistant Professor, English; M.A., University of Montana
Buss, Stephen R (1979)
Assistant Professor, Theatre Arts; Chairperson, Theatre Arts; Ph.D., Washington State University
Butler, Doris A (1980)
Standard Instructor, Office Occupations; Diploma, Boise State University
Butterfield, Patricia (1983)
Assistant Professor, Nursing; M.S.N., University of Colorado, Boulder
Button, Sherman G (1976)
Professor, Physical Education; Ph.D., University of Utah

C

Cadwell, Dan E (1981)
Advanced Instructor, Business Machine Repair
Capell, Harvey J (1982)
Assistant Professor, Decision Sciences, Computer Information Systems; M.B.A., Northwestern University
Carlton, Douglas (1985)
Instructor, Electronics Technology; A.A., Green River Community College
Carlton, Janet (1974)
Assistant Instructor, Office Occupations; M.A., Boise State University
Carter, Loren S (1970)
Professor, Chemistry; Ph.D., Washington State University
Case, Michael (1985)
Assistant Professor, English; Ph.D., Arizona State University
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donoghue, Dennis</td>
<td>Assistant Professor, Sociology; Ph.D., University of Montana (1973)</td>
</tr>
<tr>
<td>Chase, Eileen</td>
<td>Associate Professor, English; D.A., Idaho State University (1964)</td>
</tr>
<tr>
<td>Chastain, Garvin</td>
<td>Assistant Professor, Psychology; Ph.D., University of Texas (1978)</td>
</tr>
<tr>
<td>Christensen, James I.</td>
<td>Associate Professor, Sociology; Ph.D., University of Utah (1970)</td>
</tr>
<tr>
<td>Clark, Marvin A.</td>
<td>Professor, Administrative Services; Ph.D., University of Minnesota (1969)</td>
</tr>
<tr>
<td>Cocotis, Mardi A.</td>
<td>Associate Professor, English; Ph.D., University of Texas (1972)</td>
</tr>
<tr>
<td>Collins, Maria T.</td>
<td>Assistant Professor, Teacher Education; Ph.D., University of Oregon (1984)</td>
</tr>
<tr>
<td>Corbin, A Robert</td>
<td>Associate Professor, Sociology; Ph.D., Illinois Institute of Technology (1967)</td>
</tr>
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<td>Cornwell, Robert</td>
<td>Professor, Administrative Services; Ed.D., Arizona State University (1969)</td>
</tr>
<tr>
<td>Cox, T Virginia</td>
<td>Associate Professor, Anthropology; Ph.D., University of Georgia (1967)</td>
</tr>
<tr>
<td>Cox, Verl M</td>
<td>Professor, Communication; Ph.D., University of Kansas (1977)</td>
</tr>
<tr>
<td>Crane, David E</td>
<td>Instructor, Surgical Technology; Program Head, Surgical Technology; M.S., University of Idaho (1969)</td>
</tr>
<tr>
<td>Craner, G Dawn</td>
<td>Assistant Professor, Communication; M.A., Purdue University (1975)</td>
</tr>
<tr>
<td>Grayache, Gary A.</td>
<td>Instructor, Radiologic Sciences; Ph.D., University of Iowa (1981)</td>
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<tr>
<td>Curtis, &quot;Merle&quot;</td>
<td>Associate Professor, Radiologic Sciences; Ph.D., University of Iowa (1971)</td>
</tr>
<tr>
<td>Dalton, Allen</td>
<td>Assistant Professor, Economics; M.A., Virginia Poly Inst &amp; State University (1982)</td>
</tr>
<tr>
<td>Dalton, Jack</td>
<td>Professor, Chemistry; Chairperson, Chemistry Department; M.S., Kansas State University (1958)</td>
</tr>
<tr>
<td>Davis, Charles</td>
<td>Professor, English; Chairperson, English Department; Ph.D., University of North Carolina (1963)</td>
</tr>
<tr>
<td>Dayley, Jon Philip</td>
<td>Assistant Professor, English; Ph.D., University of California Berkeley (1982)</td>
</tr>
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<td>Denison, Tom</td>
<td>Assistant Dean, School of Vocational-Technical Educ; Assistant Professor; Ph.D., Washington State University (1983)</td>
</tr>
<tr>
<td>Dodson, Jerry</td>
<td>Professor, Psychology; Ph.D., Purdue University (1970)</td>
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<tr>
<td>Dodson, Robert B.</td>
<td>Standard Instructor, Electronics Technology; B.S.E.E., Seattle University (1979)</td>
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<tr>
<td>Donaldson, Paul R.</td>
<td>Professor, Geology, Geophysics; Ph.D., Colorado School of Mines (1975)</td>
</tr>
<tr>
<td>Donoghue, Dennis</td>
<td>Professor, Political Science; Ph.D., Miami University of Ohio (1973)</td>
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<td>Dorman, Pat</td>
<td>Professor, Sociology; Ph.D., University of Utah (1967)</td>
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<tr>
<td>Douglas, Dorothy</td>
<td>Associate Professor, Biology; Ph.D., University of California Berkeley (1981)</td>
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<td>Douglass, J D Jr.</td>
<td>Associate Professor, Art; M.F.A., Cranbrook Academy (1972)</td>
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<td>Downs, Richard R</td>
<td>Associate Professor, Psychology; Counseling Psychologist, Counseling and Testing Center; Ed.D., Ball State University (1975)</td>
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<td>Draayer, Gerald F</td>
<td>Associate Professor, Economics; Director, Center for Economic Education; Ph.D., Ohio University (1976)</td>
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<td>Dykstra, Dewey J. Jr.</td>
<td>Assistant Professor, Physics; Ph.D., University of Texas Austin (1981)</td>
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<td>Eastman, Philip</td>
<td>Professor, Mathematics; Ph.D., University of Texas (1977)</td>
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<td>Edmundson, Eldon</td>
<td>Associate Professor, Public Health, Health Science; Acting Dean, College of Health Science; Ph.D., Washington State University (1976)</td>
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<td>Edmundson, Phyllis</td>
<td>Professor, Teacher Education; Ed.D., University of Northern Colorado (1974)</td>
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<td>Elliott, Wilber D</td>
<td>Professor, Music; Chairperson, Music Department; M.E., Central Washington University (1969)</td>
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<td>Ellis, Robert W</td>
<td>Professor, Biochemistry; Ph.D., Oregon State University (1971)</td>
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<td>Ericson, Robert E</td>
<td>Associate Professor, Theatre Arts; Ph.D., University of Oregon (1970)</td>
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<td>Evett, Stuart D</td>
<td>Assistant Professor, English; M.A., Vanderbilt University (1972)</td>
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<td>Fahlison, Genger</td>
<td>Associate Professor, Physical Education; M.Ed., Univ of Wyoming (1974)</td>
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<td>Ferguson, David J</td>
<td>Associate Professor, Mathematics; Ph.D., University of Idaho (1970)</td>
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<td>Fletcher, Alan W.</td>
<td>Professor, History; Ph.D., University of North Carolina (1970)</td>
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<td>Foraker-Thompson, Jane</td>
<td>Assistant Professor, Criminal Justice Administration; Ph.D., Stanford University (1982)</td>
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<td>Fountain, Carol E</td>
<td>Associate Professor, Teacher Education; Ph.D., Montana State University (1967)</td>
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<td>Fox, Roy F</td>
<td>Assistant Professor, English; Coordinator, Composition, English Department; Ph.D., University of Missouri Columbia (1978)</td>
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<tr>
<td>Frederick, E. C.</td>
<td>Associate Professor, Finance; Ph.D., University of Arizona (1971)</td>
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<td>French, Judith</td>
<td>Professor, Teacher Education; Director, Reading Education Center; Ph.D., Syracuse University (1976)</td>
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<td>Fried, Robert L</td>
<td>Associate Professor, Teacher Education; Ph.D., Florida State University (1972)</td>
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<td>Fritschman, II H</td>
<td>Professor, Teacher Education; Ph.D., University of Utah (1954)</td>
</tr>
<tr>
<td>Fuhrman, Jay R</td>
<td>Assistant Professor, Biology; Ph.D., University of California Berkeley (1982)</td>
</tr>
<tr>
<td>Fuller, Eugene G</td>
<td>Professor, Biology; Ph.D., Oregon State University (1967)</td>
</tr>
<tr>
<td>Gabert, Marvin C.</td>
<td>Associate Professor, Construction Management; M.A., Stanford University (1979)</td>
</tr>
<tr>
<td>Gaines, Marlin</td>
<td>Instructor, Agricultural Equipment Tech; B.S., University of Idaho (1980)</td>
</tr>
<tr>
<td>Gallup, V Lynn</td>
<td>Associate Professor, Decision Sciences; Head Coach, Golf; Ph.D., University of Oregon (1977)</td>
</tr>
<tr>
<td>Gardner, Norman D.</td>
<td>Associate Professor, Finance; Ph.D., University of Utah (1974)</td>
</tr>
<tr>
<td>Gill, Edward K</td>
<td>Associate Professor, Finance; Ph.D., University of Oregon (1982)</td>
</tr>
</tbody>
</table>
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 Linotype 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
Grombel, David F. (1973)  Professor, Decision Sciences; Ph.D., University of Utah
Guilford, Charles (1981)  Assistant Professor, English; Ph.D., Northern Illinois University

H
Haacke, Don P. (1971)  Head Librarian, Maps & Spcl Collections Dept, Lib; Associate Professor, Library Science; M.L.S., University of Washington
Hadden, James (1972)  Assistant Professor, English; M.A., University of Washington
Haeger, 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
Harrison, 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
Hausrrath, Allan (1977)  Associate Professor, Mathematics; Ph.D., Brown University
Healas, Donald V. (1980)  Dean, School of Vocational-Technical Educ; 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, Computer 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. (1966)  Professor, Teacher Education; Chairperson, Teacher Education Department; Ed.D., University of Idaho
Hoff, Lavar 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., Emporia State University
Hyde, Kenneth A. (1979)  Instructional 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. Gail (1970)  Professor, Psychology; Ph.D., University of Oregon

J
Jacob Edward G. (1973)  Head Coach, Men's Track; Assistant Professor, Physical Education; M.S., University of Northern Colorado
Jansson, Paul R. (1981)  Standard 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
Joumis, 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
Kelly, 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 Kentucky
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
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
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Associate Professor, Radiologic Sciences; M.Ed., College of Idaho

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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
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Associate Professor, Marketing; M.S., Kansas State University
Latheren, Charles E ...................................... (1971)
Professor, Theatre Arts; Ph.D., Michigan State University
LaCava, Gerald ........................................... (1982)
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Professor, English; Ph.D., University of California Davis
Leon, Manuel ............................................. (1985)
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Lester, Jody ................................................ (1983)
Instructor, Respiratory Therapy; B.S., Boise State University
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Professor, Economics; Ph.D., University of Colorado
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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)
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Moncrief, Gary D .......................................... (1976)
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Muck, Bruce F ............................................. (1978)
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Norman, Frederick J ..................................... (1969)
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Professor, History; Chairperson, History Department; Ph.D., University of Utah

Vaughn, Ross E ............... (1973)  
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Professor, Mathematics; Ph.D., Virginia Poly Inst & State University
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Watts, Donald J ............................................... (1973)
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Associate Professor, Office Occupations; Secretary, Faculty Senate;
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Willis, Lonnie L ............................................... (1970)
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Professor, Geology; Acting Dean, College of Arts & Sciences; Ph.D.,
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Wilderding, Jim ............................................... (1976)
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Professor, Mathematics; Ed.D., University of Northern Colorado
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Head Coach, Men's Wrestling; Assistant Professor, Physical Education;
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Young, Virgil M .............................................. (1967)
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ment; M.A., Indiana University

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Boise State University
CAMPUS MAP

BOISE STATE UNIVERSITY
CAMPUS GUIDE

1. Towers Hall
2. Health Science Building
3. Visitors Center/
   New Student Information
4. Allied Health Faculties
5. Morrison Center
6. Simplot/Micron Center
7. University Courts
8. University Heights
9. University Manor
10. Science/Nursing
11. Education Building
12. Campus School (Boise City)
13. Student Health Center
14. Mail Services
15. Math/Geology Building
16. Business Building
17. Administration Building
18. Library-Learning Center
18a. KAI-FV
19. Liberal Arts Building
20. Hemingway Western Studies Center
21. Heating Plant
22. Student Union Building
23. Special Events Center
24. Communication Building, KBSU
25. Driscoll Hall
26. Morrison Hall
27. Chaffee Hall
28. Human Performance Center
29. Physical Education (Pool)
30. Vocational-Education Center
31. Mechanical Technology Bldg.
32. Technical-Education Center
33. Maintenance Building
34. Food Technology Building
35. Heavy Duty Mechanical Bldg.
36. Physical Plant-Central Receiving
37. Art Annex 6
38. Art Annex 7
39. Art-Ceramic & Photo 1
40. A.B.E. Classroom
41. Art Annex 2
42. SUB Annex 1, University News
42a. SUB Annex 2
43. Art Annex 3
44. Art Annex 4
45. Varsity Center
46. Bronco Stadium
47. Christ Chapel
48. BSU Pavilion
49. Art Annex 5
50. VT Child Care Lab
51. Computer Center Annex/
    Police/Select-a-Seat
52. Idaho Sports Medicine Institute
53. Historic Opaline School
54. Education Annex
BOISE STATE UNIVERSITY CATALOG
1986-87 Edition Addendum

August 18th, 1986

Boise State University
1910 University Dr.
Boise, Idaho 83725
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<td>7</td>
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</table>
RECORDING OF CLEP EXAMINATIONS, PAGES 28, 29, & 30.

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.

REQUIREMENT FOR MORE THAN 128 CR FOR SEC. ED., PAGES 39, 43, 45, 47, 52, 55, 60, 63, 67, 70, 72, 78, 81, 91, 99, 104, & 115.

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.

PREREQ FOR BT 401, PAGE 44.

The prerequisite for BT 401 has been changed from B 301 to BT 130. Also BT 302 is a recommended course not B 302.

REVISED EN 104, PAGE 65.

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.

REVISED ML 102, PAGE 75.

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 - 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 -
**Business Policies GB 450**...3
**Seminar in Air Transportation AV 450**...3
**General Electives (Area I, II, III)**...3
**General Electives**...3
**Totals**...15

---

**REVISED AREA III REQUIREMENTS FOR PSYCHOLOGY, PAGE 108.**

<table>
<thead>
<tr>
<th>Area III Requirements</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Total Credits</td>
<td>16</td>
</tr>
<tr>
<td>Core Courses</td>
<td>12*</td>
</tr>
<tr>
<td>Concepts of Biology B 100</td>
<td>4</td>
</tr>
<tr>
<td>Non-core courses</td>
<td>4</td>
</tr>
<tr>
<td>Concepts of Human Anatomy and Physiology Z 107</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>8*</td>
</tr>
</tbody>
</table>

*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.

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**DELETION OF TE 307, PAGE 120.**

This class will no longer be offered.

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**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 H 213
   - or
   - Public Health Law H 435...2
   - Epidemiology H 480...3

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**BOISE STATE UNIVERSITY CATALOG 1986-87 Edition Addendum**
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.
REVISION TO RD 285, PAGE 136.

The prerequisite for RD 285 has been changed from RD 238 to RD 234.

REVISION TO RD 316, PAGE 136.

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.

REVISION TO RD 320, PAGE 136.

The addition of the prerequisite RD 316.

REVISION TO RD 350, PAGE 136.

The prerequisite RD 252 has been dropped.

REVISION TO RD 436, PAGE 137.

All prerequisites and corequisite have been dropped and the statement "Upper division majors only or permission of instructor" has been substituted.

REVISED COURSE OFFERINGS FOR THE MBA PROGRAM, PAGES 145 & 146.

Course Offerings

MBA--Courses Descriptions:

FOUNDATION COURSES

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 or 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 en-
vironment 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 sub-
jective inputs, and evaluating and incorporating information. Prerequi-
site: 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, prob-
lems, 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 inte-
grates concepts, practices and methods in strategic planning and envi-
ronmental 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-Issues 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 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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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 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.

**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 electing 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
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 ........................ 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.
       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 ........................ 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.
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/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-
cussion 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 de-
signed 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 tech-
niques 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.
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<td>CA 103 Sanitation, Safety, Health</td>
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<td>CA 104 Introductory Baking</td>
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<td>CA 105 Cost Controls</td>
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<td>CA 107 Storeroom</td>
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<td>CA 109 Culinary French</td>
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<td>CA 112 Introductory Hot Foods</td>
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<td>CA 113 Pantry, Basic Garde Manger</td>
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<td>CA 116 Meat Identification &amp; Fabrication</td>
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<td>CA 117 Stewarding</td>
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<td>CA 118 Charcuterie (Sausage Making)</td>
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<td>CA 119 Supervisory Development</td>
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<td>CA 122 Fish Cookery</td>
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<td>CA Beverage Control Systems</td>
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CA Advanced Garde Manger  
CA Classical Cuisine  
CA Banquet Organization  
CA Dining Room a la Carte Preparation  
CA American Bounty a la Carte Foods  
CA Kitchen Laboratory  
GB 101 Intro to Business  
EC 202 Principles of Economics-Micro  
CM 112 Reasoned Discourse  
MM 206 Supervision of Personnel

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</table>

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.
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, marzipan, 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 is 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 prescribes 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.

### FRESHMAN YEAR

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<td>or Intermediate Typing (OF 156)</td>
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<tr>
<td>Basic Office Procedures (OF 107)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Proofreading and Spelling (OF 119)</td>
<td>3</td>
<td></td>
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<tr>
<td>Business Writing (OF 107)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Typing (OF 156)</td>
<td></td>
<td></td>
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<tr>
<td>or Advanced Typing (OF 157)</td>
<td></td>
<td></td>
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<tr>
<td>Intro to Information Processing (OF 154)</td>
<td>3</td>
<td></td>
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<tr>
<td>Record Keeping (OF 155)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Machine Transcription (OF 158)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Office Skills Practicum/Word Processing (OF 015)</td>
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</table>

**TOTAL**

16 16

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Advanced Typing (OF 157)</td>
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<tr>
<td>Applied Business Communications (OF 206)</td>
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<tr>
<td>Computer Business Applications (OF 206)</td>
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<td>3</td>
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<tr>
<td>Word Processing I (OF 203)</td>
<td>3</td>
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<tr>
<td>2 Electives</td>
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<td>Records Management Procedures (OF 251)</td>
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<td>3</td>
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<td>Word Processing II (OF 255)</td>
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<td>3</td>
</tr>
<tr>
<td>Job Seeking Skills/Career Planning (OF 153)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Supervision (OF 253)</td>
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<tr>
<td>2 Electives</td>
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</table>

**TOTAL**

19 18

**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.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Business Math (OF 105)</td>
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<tr>
<td>Keyboarding (OF 106)</td>
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<td>or</td>
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<tr>
<td>Intermediate Typing (OF 156)</td>
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<tr>
<td>Basic Office Procedures (OF 107)</td>
<td>3</td>
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<tr>
<td>Bookkeeping I (OF 108)</td>
<td>4</td>
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<td>Business English (OF 109)</td>
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<tr>
<td>Proofreading and Spelling (OF 119)</td>
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<tr>
<td>Bookkeeping II (OF 152)</td>
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<tr>
<td>Business Writing (OF 159)</td>
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<tr>
<td>Intro to Information Processing (OF 154)</td>
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</tr>
<tr>
<td>Office Skills Practicum/Bookkeeping (OF 016)</td>
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<td>* Job Seeking Skills/Career Planning (OF 153)</td>
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<tr>
<td>** 2 Electives</td>
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**TOTAL**

* 1-Year Student: 17 credits
** 2-Year Student: 19 credits

**SOPHOMORE YEAR**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Spreadsheet I (OF 201)</td>
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<tr>
<td>Intro to Data Base Management (OF 202)</td>
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<td>Intermediate Typing (OF 156)</td>
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<td>or</td>
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</tr>
<tr>
<td>Advanced Typing (OF 157)</td>
<td>4</td>
</tr>
<tr>
<td>Word Processing (OF 203)</td>
<td>3</td>
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<tr>
<td>Computerized Bookkeeping (OF 204)</td>
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<td>Elective</td>
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<tr>
<td>Spreadsheet II (OF 254)</td>
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<tr>
<td>Job Seeking Skills/Career Planning (OF 153)</td>
<td>3</td>
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<tr>
<td>Fundamentals of Supervision (OF 253)</td>
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<tr>
<td>Legal Environment of Business (GB 202)</td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communications (OF 252)</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL**

19 credits

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 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 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Business English (OF 109)</td>
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<tr>
<td>Business Math (OF 105)</td>
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<tr>
<td>Beginning Shorthand (OF 125) or Intermediate Shorthand (OF 151)</td>
<td>5 or 5</td>
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<tr>
<td>Keyboarding (OF 106) or Intermediate Typing (OF 156)</td>
<td>4 or 4</td>
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<tr>
<td>Basic Office Procedures (OF 107)</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Typing (OF 156) or Advanced Typing (OF 157)</td>
<td>4 or 4</td>
</tr>
<tr>
<td>Business Writing (OF 159)</td>
<td>3</td>
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<td>Intermediate Shorthand (OF 151) or Advanced Shorthand (OF 205)</td>
<td>3 or 5</td>
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<tr>
<td>Intro to Information Processing (OF 154)</td>
<td>3</td>
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<tr>
<td>Record Keeping (OF 155)</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
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### SOPHOMORE YEAR

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>Proofreading and Spelling (OF 119)</td>
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<tr>
<td>Advanced Shorthand (OF 205)</td>
<td>5</td>
</tr>
<tr>
<td>Advanced Typing (OF 157)</td>
<td>4</td>
</tr>
<tr>
<td>Word Processing I (OF 203)</td>
<td>3</td>
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<tr>
<td>Computer Business Applications (OF 206)</td>
<td>3</td>
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<tr>
<td>Records Management Procedures (OF 251)</td>
<td>3</td>
</tr>
<tr>
<td>Machine Transcription (OF 158)</td>
<td>3</td>
</tr>
<tr>
<td>Applied Business Communications (OF 252)</td>
<td>3</td>
</tr>
<tr>
<td>Job Seeking Skills/Career Planning (OF 153)</td>
<td>3</td>
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<tr>
<td>Fundamentals of Supervision (OF 253)</td>
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### OTHER TECHNICAL ELECTIVES

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Basic Medical Terminology, Anatomy and Physiology (OF 165)</td>
<td>2 or 2</td>
</tr>
<tr>
<td>Introduction to Medical Transcription (OF 166)</td>
<td>1 or 1</td>
</tr>
<tr>
<td>Basic Principles of Law for Medical Transcriptionists and</td>
<td></td>
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</tbody>
</table>
Medical Office Personnel (OF 167) Course Offerings

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 1 (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 (3-4-4)(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.

SUBJECTS

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>Basic Mechanics AM 101</td>
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<td>Front End &amp; Alignment AM 115</td>
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<td>Manual Trans. &amp; Differ. AM 140</td>
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30 BOISE STATE UNIVERSITY CATALOG 1986-87 Edition Addendum
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 disassemble, parts evaluation, parts repair and replacement, and proper disassemble 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 disassemble 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: Delle Christiansen

FROM: Robert Luke

DATE: July 10, 1986

SUBJECT: department split

For all practical purposes the dept of physics, engineering and const mgmt was split as of July 1, 1986. It will not be formalized until Sept-Oct. Norm Delun is chm of Const Mgmt & Engineering and I am chm of Physics. Registration, scheduling, etc from now on will be on the basis of the 2 separate departments.

Thanks

(over)
Berta Alcock 0155
John Moore 5493
Jim Hefner 3373
Den Riddle 6925
Max Whitley 3014
Nem Olnm 1714

Cost: Mbit. Eng. Enquiry

Willy Smith 8012
Richard Keiman 7395
Gary Needle 6043
Robert Luke 5361
Deane Dykstra 1989

John Allen 0335 31st 03 4th 101

Fleure Ferra