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 also 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. Changes 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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.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 1991-92**
### Boise State University Calendar—1991-92

#### Summer Session 1991

For Registration Information, See Summer Class Schedule

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<th>Date</th>
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<td>May 1, Wednesday</td>
<td>Last day to file 1990-91 CSS Financial Aid Form to be considered for summer need-based financial aid.</td>
</tr>
<tr>
<td>June 5, Wednesday</td>
<td>Fee payment deadline for summer session.</td>
</tr>
<tr>
<td>June 10, Monday</td>
<td>Classes begin for 8-week, 10-week, and first 5-week sessions. (For refund information, see summer class schedule.)</td>
</tr>
<tr>
<td>June 14, Friday</td>
<td>Last day to file with department for admission to candidacy for Master's Degree—departmental office.</td>
</tr>
<tr>
<td>June 14, Friday</td>
<td>Last day to file application for graduation for Master’s, Baccalaureate, and two-year or less degrees, diplomas, and certificates—Registrar’s Office.</td>
</tr>
<tr>
<td>July 4, Thursday</td>
<td>Independence Day Holiday (school closed).</td>
</tr>
<tr>
<td>July 12, Friday</td>
<td>First 5-week session ends.</td>
</tr>
<tr>
<td>July 15, Monday</td>
<td>Classes begin for second 5-week session.</td>
</tr>
<tr>
<td>July 26, Friday</td>
<td>Last day for final oral and project/thesis defense.</td>
</tr>
<tr>
<td>August 2, Friday</td>
<td>End of 8-week session.</td>
</tr>
<tr>
<td>August 2, Friday</td>
<td>Last day to submit final signed copies of Master's project/thesis to Library.</td>
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<tr>
<td>August 16, Friday</td>
<td>End of 10-week session and second 5-week session.</td>
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#### Fall Semester 1991

For Registration Information, See Fall Class Schedule

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<th>Date</th>
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<td>February 1, Friday</td>
<td>Last day to file CSS Financial Aid Form to be considered for 1991-92 need-based scholarships.</td>
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<tr>
<td>March 1, Friday</td>
<td>Last day to file BSU scholarship application to be considered for 1991-92 merit scholarships and need-based scholarships.</td>
</tr>
<tr>
<td>March 1, Friday</td>
<td>Recommended date to file CSS Financial Aid Form and supporting documents for best chance of receiving 1991-92 grants, work-study, loans (other than Stafford Guaranteed Student Loans), and waivers of non-resident tuition. (Students applying after this date may not have financial aid available in time to assist with fall semester fees.)</td>
</tr>
<tr>
<td>May 31, Friday</td>
<td>Last day to complete federal verification process for campus based financial aid for 1991-92 school year.</td>
</tr>
<tr>
<td>July 22, Monday</td>
<td>Bills will be mailed to students registered for fall semester.</td>
</tr>
<tr>
<td>July 31, Wednesday</td>
<td>Last day for degree-seeking students to submit all required admissions materials to be assured of a registration appointment time prior to fall semester classes beginning.</td>
</tr>
<tr>
<td>August 9, Friday</td>
<td>Last day to register or drop/add for fall semester 1991 prior to fee payment deadline.</td>
</tr>
<tr>
<td>August 12-19, Monday-Monday</td>
<td>No registration or drop/add services during this period.</td>
</tr>
<tr>
<td>August 15, Thursday</td>
<td>Fee payment deadline for registered-students.</td>
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<tr>
<td>August 19-20, Monday-Tuesday</td>
<td>Faculty orientation/meetings.</td>
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<tr>
<td>August 20, Tuesday</td>
<td>Drop/add for registered and paid students (7:00 a.m.-7:00 p.m.)</td>
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<tr>
<td>August 21, Wednesday</td>
<td>Registration for fall semester 1991 reopens, drop/add continues.</td>
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<tr>
<td>August 21-23, Wednesday-Friday</td>
<td>Academic advising available.</td>
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<td>August 22, Thursday</td>
<td>Residence Halls open (11:00 a.m.).</td>
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<td>August 22-25, Thursday-Sunday</td>
<td>New Student Orientation Program.</td>
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<td>August 26, Monday</td>
<td>Classes begin.</td>
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<td>August 30, Friday</td>
<td>Last day to register except by petition. Last day to add except with consent of instructor and department head. Last day to drop except with consent of instructor.</td>
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<td>September 2, Monday</td>
<td>Labor Day Holiday (school closed).</td>
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<td>September 3, Tuesday</td>
<td>Registration by petition only.</td>
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<td>September 9, Monday</td>
<td>Last day for refund for dropping a class or withdrawing from the University. Last day for student health insurance refund.</td>
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<td>September 27, Friday</td>
<td>Last day to file with department for admission to candidacy for Master’s Degree—departmental office.</td>
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<td>September 27, Friday</td>
<td>Last day to file application for graduation for Master’s, Baccalaureate and two-year or less degrees, diplomas, and certificates—Registrar’s Office.</td>
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<td>September 27, Friday</td>
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<td>October 11, Friday</td>
<td>Notification of incompletes from previous semester.</td>
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<tr>
<td>October 11, Friday</td>
<td>Mid-semester grades submitted to Registrar’s Office by Noon.</td>
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<tr>
<td>October 11, Friday</td>
<td>Last day to file application with department for final Master’s written exam.</td>
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<td>October 14, Monday</td>
<td>Second 8-week block begins.</td>
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<td>October 18, Friday</td>
<td>Last day to submit names for faculty initiated withdrawal notifications.</td>
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<td>November 1, Friday</td>
<td>Last day to make class changes or register by petition.</td>
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<td>November 2, Saturday</td>
<td>Final day for written exam for Master’s Degree.</td>
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<td>November 4-27</td>
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<td>November 13, Wednesday</td>
<td>Last day for final oral and project/thesis defense.</td>
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<td>November 15, Friday</td>
<td>Last day to make class changes or register by petition for second 8-week block courses.</td>
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<tr>
<td>November 25, Monday</td>
<td>Last day for degree-seeking students to submit all required admissions materials to be assured of a registration appointment time prior to spring classes beginning.</td>
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<td>November 28-December 1,</td>
<td>Thanksgiving Holiday (school closed).</td>
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<td>December 2, Monday</td>
<td>Classes resume.</td>
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<td>December 2-10</td>
<td>Advising/Registration for new and returning students for spring semester 1992.</td>
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<td>December 6, Friday</td>
<td>Last day to submit final signed copy of Master’s project/thesis with department.</td>
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Spring Semester 1992
For Registration Information, See Spring Class Schedule

November 25, Monday
Last day for degree-seeking students to submit all required admissions materials to be assured of a registration appointment time prior to spring semester classes beginning.

December 13, Friday
Bills will be mailed to students registered for spring semester.

December 18, Wednesday
Last day to register or drop/add for spring semester 1992 prior to fee payment deadline.

December 19-January 3
No registration or drop/add services during this period.

January 2, Thursday
Fee payment deadline for registered students.

January 6, Monday
Faculty meetings.

January 6, Monday
Drop/add for registered and paid students (7:00 a.m.-7:00 p.m.).

January 7, Tuesday
Registration for spring semester 1992 reopens, drop/add continues.

January 7-10, Tuesday-Friday
Academic advising available.

January 9, Thursday
Classes begin.

January 9, Monday
Last day to register except by petition. Last day to add except with consent of instructor and department head. Last day to drop except with the consent of instructor.

January 20, Monday
Dr. Martin Luther King, Jr./Idaho Human Rights Day Holiday (school closed).

January 21, Tuesday
Registration by petition only.

January 24, Friday
Last day to file with department for admission to candidacy for Master's Degree—departmental office.

January 24, Friday
Last day to file application for graduation for Master's, Baccalaureate, and two-year or less degrees, diplomas, and certificates—Registrar's Office.

January 28, Tuesday
Last day for refund for dropping a class or withdrawing from the University. Last day for student health insurance refund.

January 31, Friday
Last day to file CSS Financial Aid Form to be considered for 1992-93 need-based scholarships.

February 14, Friday
Last day to make class changes or register by petition for first 8-week block courses.

February 17, Monday
President's Day Holiday (school closed).

February 21, Friday
Recommended date to file CSS Financial Aid Form and supporting documents for best chance of receiving 1992-93 grants, work-study, loans (other than Stafford Guaranteed Student Loans), and waivers of nonresident tuition. (Students applying after this date may not have financial aid available in time to assist with fall semester fees.)

February 26, Friday
College of Business: last day to petition for upper division admission for summer session and fall semester, 1992.

March 6, Friday
Notification of incompletes from previous semester.

March 6, Friday
Mid-semester grades submitted to Registrar by Noon.

March 6, Friday
Last day to file application with department for final Master's written exam.

March 6, Friday
Last day to submit names for faculty initiated withdrawal notifications.

March 9, Monday
Second 8-week block begins.

March 20, Friday
Last day to register except by petition.

March 23-29, Monday-Sunday
Spring Vacation.

March 30, Monday
Classes resume.

April 1-24
Advising for continuing students for summer/fall, 1992.

April 2-24
Registration for continuing students for summer and fall 1992.

April 3, Saturday
Final day for written exam for Master's degree.

April 10, Friday
Last day for final oral and project/thesis defense.

April 17, Friday
Last day to make class changes or register by petition for second 8-week block courses.

April 21, Friday
Last day to submit final signed copy of Master's project/thesis with department.

May 1, Friday
Classroom instruction ends. Last day for complete withdrawal.

May 4, Monday
Reading/Preparation Day.

May 5-8, Tuesday-Friday
Final Semester Examinations.

May 9, Saturday
Residence Halls close.

May 10, Sunday
Commencement — Pavilion (2:00 p.m.).

May 12, Tuesday
Grade reports due to Registrar (Noon).

Summer Session 1992
For Registration Information, See Summer Class Schedule

May 1, Friday
Last day to file 1991-92 CSS Financial Aid Form to be considered for summer need-based financial aid.

June 8, Monday
Classes begin for 8-week, 10-week, and first 5-week sessions. (For refund information, see summer class schedule.)

July 3, Thursday
Independence Day Holiday (school closed).

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 session and second 5-week session.
The University

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

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

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

At Boise State, students may choose to study in any one of six colleges—Arts and Sciences, Business, Education, Health Science, Technology, Graduate—or three Schools—Social Sciences and Public Affairs, Vocational Technical Education, or Applied Technology. BSU offers 155 major fields of interest, 63 baccalaureate degree programs, 23 vocational technical degrees, 10 graduate and six associate degree programs. All are accredited by the Northwest Association of Schools and Colleges. Specific colleges and programs are accredited by national agencies (see accreditation section on the next page).

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

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

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

History: Boise State University was founded in 1932 by the Episcopal Church as a junior college. It was the first institution of higher education to be located in the state's capital city. 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 Episcopal Church discontinued its sponsorship of the school in 1934, when BJC became a non-profit private corporation sponsored by the Boise Chamber of Commerce and the community. A bill creating
a junior college taxing district was passed in 1939, and the college was supported by local property taxes after that.

The 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 International Association of Counseling Services (IACS), the American Council for Construction Education (ACE), the National Athletic Trainers Association (NATA), 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, Respiratory Therapy, Respiratory Therapy Technician and the American Medical Records Association, Surgical Technology accredited by AMA Joint Review Committee on Surgical Technology, and the National Council for Accreditation for Environmental Health Curricula.

The program in Dental Assisting is accredited by the American Dental Association 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 over 12,000 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.

Most classes are taught by full-time professors, not by graduate assistants. 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 AND ACTIVITIES provides for the campus community’s social, recreational and cultural needs. Services include Union Street Cafe, an ice cream/coffee bar, and the new Table Rock Cafe, our on-campus resident dining area which operates in the popular food court style with all-you-can-eat servings. Visitors are always welcome. Other Union amenities include: the indoor Recreation Center, featuring a games room, bowling lanes, and billiards; lounges for
studying and relaxation; second floor art gallery; Outdoor Rental Center; Bookstore; and Information Desk/Ticket Sales. With over 6,000 visitors per day and 7,000 programs and events per year, the Union is home to recognized student organizations, the Associated Students of Boise State University (ASBSU), Student Activities Offices, University meetings, and conferences.

The BSU BOOKSTORE is also located on the first floor of the SUB. There, all textbooks and supplies required for classes can be purchased. The Bookstore also carries a large selection of sale books on a continual basis and sells some clothing and souvenir items.

In the ADMINISTRATION BUILDING, the oldest on campus, 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.

The SIMPLOT/MICRON TECHNOLOGY CENTER is a new state-of-the-art advanced instructional technology and telecommunication center. It houses modern television production studios, interactive instructional classrooms, teleconferencing rooms, media production facilities and a media resource library. Also housed in the center are many instructional computer-based technologies. A satellite earthstation and an inter-campus microwave system are used to transmit instruction throughout the state. Through the facilities and services of the Center the University is pioneering the use of technology to improve the effectiveness of instruction and to extend information and instruction to off-campus locations.

DOWNTOWN BOISE is just a few minute's walk 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 328,000 monograph volumes and 55,200 bound periodicals that support curricular and research needs, 4,500 current periodicals, newspapers and other serials, 117,000 maps, 149,000 government publications, and 911,600 microform pieces.

Access to the collections is primarily through catalog, a new computerized catalog which provides online searching of the Library's data base. The Reference Department provides basic and advanced bibliographic service and assistance in use of the Library.

The Curriculum Resource Center on the Library's second floor houses print and non-print materials for elementary and secondary education, records, juvenile and young adult books and college-level non-print materials.

The Maps and Special Collections Department contains the Library's map collection, the University Archives and various manuscript collections and rare books. A recent addition to the Library is the collection of the papers of the late Senator Frank Church. A special room on the Library's third floor houses some of his memorabilia for public viewing. The Church Papers are available for scholarly research.

The Library's Government Documents department is a selective depository for United States and Canadian government publications and Idaho State publications. Publications of Ada County and Boise City are also found in this department.

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

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

BSU's computers are located in several buildings on campus in order to give students easy access to them. The university is continually increasing student access to computers in an effort to ensure that every student can meet the computer literacy requirement.

In addition to a university-wide computer center, with two IBM 4381's, and a Hewlett-Packard 3000, microcomputer centers have been established for open access by students or use within a college.

Two IBM computers serve both administrative and instructional purposes with over 400 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 IBM personal computers and a variety of Apple and Commodore computers in Room 417 of the Education Building, with more than 1,200 programs on subjects ranging from English to Economics. The College of Health Science has personal computers for tutoring, clinical test simulation and teaching X-ray position techniques and a complete computer classroom with AT&T 6300 personal computers.

In the Math/Geology building there is a lab available with terminals attached to an AT&T 382 minicomputer. These are used mostly by Mathematics students. The Geology department has a computer lab equipped with AT&T microcomputers and a large AT&T minicomputer.

The Vocational Technical School has five labs with IBM-PC's in each lab. A lab for office automation has a Wang office system that is used by Vocational Technical classes.

The College of Business has IBM personal computers in Room 208 of the Business Building for student use. Access to the HP-3000 system is available from Hewlett-Packard 150 personal computers in Room 208 of the Business Building as well as the University lab in Business 206.
Admission as an Academic Undergraduate Student

Beginning with the Fall Semester 1989, new admission standards went into effect at Boise State University. These standards require that applicants be considered for admission under specific admission classifications. When all required admission materials have been received and evaluated, applicants will be notified of their admission classification.

Admission Requirements — Effective Fall 1989

I. DEGREE-SEEKING APPLICANTS

A. Freshmen or Transfer students with fewer than 14 transferable credits must submit prior to the application deadline date the following application requirements:

1. A completed undergraduate application for admission.
2. A $15.00 application processing fee (non-refundable, one-time fee only).
3. American College Test (ACT) or Scholastic Aptitude Test (SAT) scores. (Does not apply to students graduating from high school or receiving a GED prior to 1989 or students 21 and older at the time of application.)
4. Official transcript from high school showing date of graduation or acceptable GED test scores.
5. Official transcripts from all previously attended colleges.

To Be Considered for Regular Status

New freshmen who graduated from high school prior to 1989 will be admitted with Regular admission status.

New freshmen who graduated from an accredited high school in 1989 or later will be evaluated for admission on the basis of the College Admission Core (see outline of core requirements in this section). Students meeting the core requirements will be admitted with Regular admission status. If the core requirements are not met, the applicant will be considered for Provisional admission status.

Applicants who graduated from an unaccredited high school in 1989 or later will be considered for Provisional admission status.

Transfer applicants with fewer than 14 transferable credits who graduated from high school prior to 1989 will be considered for admission based upon evaluation of prior college academic records.

Transfer applicants with fewer than 14 transferable credits who graduated from high school in 1989 or later will be considered
for admission based upon both high school and college academic records.

GED holders will be considered for Provisional admission status only.

To Be Considered for Provisional Status

New freshmen or transfer students with fewer than 14 transferable credits who do not meet the College Admission Core but satisfy one of the criteria below, may be granted Provisional admission status. Provisional status is not a probationary status and will be considered if the applicant:

1. Is a high school graduate with a high school grade point average of 2.0 (C) or higher AND has an ACT composite of 17 or higher* or a SAT combined score of 690 or higher.
2. Has the GED (General Educational Development Test) Certificate, is at least 19 years of age, and has an ACT composite of 17 or higher* or a SAT combined score of 690 or higher.

If the above criteria cannot be met but the applicant believes he/she deserves special consideration due to unusual or extraordinary circumstances, the applicant may petition to the Dean of Admissions.

*Equivalent to a score of 14 on ACT exams taken prior to October, 1989.

COLLEGE ADMISSION CORE

For regular admission to Boise State University, the following high school courses must be completed with at least a 2.0 (C) grade point average by all students graduating from accredited high schools in 1989 or later. Note: 1 credit = 1 semester/term.

ENGLISH
8 credits minimum
Composition, Literature.

MATH
6 credits minimum
Algebra I and Geometry or Algebra I and Algebra II. Other courses may be selected from Analytic Geometry, Calculus, Statistics, and Trigonometry.

SPEECH
1 credit minimum
Out-of-state students should contact the Admissions Office regarding this requirement.

FINE ARTS/
FOREIGN LANGUAGE/HUMANITIES
4 credits minimum
Art, Dance, Drama, Foreign Language, Interdisciplinary Studies, Literature, Philosophy, Logic, Music. At least two credits must be completed in areas other than Studio/Performing Arts. History courses, beyond those used to meet the Social Sciences core, may be counted toward this requirement. Practical arts (vocational/technical, home economics, etc.) will not apply toward this requirement.

SOCIAL SCIENCE
5 credits minimum
American Government (state and local), Geography, U.S. History, World History. Other courses may be selected from Economics, Psychology and Sociology.

NATURAL SCIENCE
6 credits minimum
Anatomy, Biology, Chemistry, Earth Science, Geology, Physiology, Physics, Physical Science, Zoology. At least two credits must be for courses which include a laboratory science experience.

*Students graduated from an accredited high school in 1989 or 1990 must complete 4 credits minimum in mathematics and 4 credits minimum in Natural Science.

B. Transfer students with 14 or more transferable credits must submit prior to the application deadline date the following:

1. A completed undergraduate application for admission.
2. A $15.00 non-refundable application processing fee (non-refundable, one-time fee only).
3. Official transcripts from all previously attended colleges or universities.

Applicants with 14 or more semester hours of transferable credits from another college or university, with a cumulative grade point average of 2.0 (C) or higher, will be admitted with Regular admission status. Applicants not meeting the grade point average minimum requirement may be considered for admission under Probationary status.

C. Former (returning) Boise State University students must submit prior to the application deadline date the following:

1. A completed undergraduate application for admission.
2. A $15.00 non-refundable application processing fee unless this fee was previously paid.
3. Official transcripts from all colleges or universities attended that have not been previously submitted.
4. ACT or SAT scores if student graduated from high school or received a GED in 1989 or later and did not previously submit these scores to BSU.

The applicant's prior academic record at Boise State and, if applicable, academic records from any other institutions attended, will be evaluated to determine admission status.

Official Transcript

An official transcript is one that is sent by the issuing institution (high school or college) directly to the BSU Office of Admissions. Hand carried copies of transcripts are not considered official. The transcript becomes the property of the university and cannot be forwarded to a third party. Copies of transcripts will be made for BSU academic advising purposes only.

Evaluation of Transfer Credits

Students entering from other colleges or universities must request that official transcripts be mailed directly from the issuing institutions to the BSU Admissions Office. Students entering from other institutions must have a cumulative transfer grade point average of a 2.0 (C) or higher in order to be given Regular admission status. Students not meeting this requirement may be admitted on probation upon approval of the Dean of Admissions or Dean of the school or college of their proposed major. Students admitted on probation must earn at least a 2.00 in their first semester of attendance or be subject to academic dismissal. After the first semester, transfer students are subject to the provisions of the Academic Probation and Disqualification policy. All decisions relating to the admission of foreign students will, however, be made by the Dean of Admissions.

Each transcript is evaluated on a course-by-course basis. After evaluation of transcripts, students are classified with freshman, sophomore, junior or senior standing. The State Board of Education has determined for both certification and transfer purposes that no more than 70 credit hours can be transferred from a community or junior college.

Academic college level credit will be accepted from institutions accredited by the regional accrediting associations as reported in Accredited Institutions of Post Secondary 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 grade point average of 2.0.

II. NON-DEGREE SEEKING APPLICANTS

Students wishing to enroll as non-degree seeking students must have a high school diploma or GED (or permission to enroll from the Dean of Admissions). Non-degree seeking students must submit prior to the application deadline date a completed undergraduate application for admission or a completed Intent to Enroll form.

Non-degree seeking students will be limited to part-time enrollment (7 or fewer credits per semester), will not be eligible for federal financial aid, veterans’ benefits, etc. and must apply for admission as a degree-seeking student when they wish to change their status. Applicants who have attended other colleges or universities may apply to BSU as non-degree seeking students in order to take courses of interest. However, transcripts, if submitted, will not be evaluated until such time as the student applies as a degree-seeking student.

Admission Deadline Dates

Fall Semester Deadline: July 31
Spring Semester Deadline: November 25
Admissions Information

Applicants must submit all admission requirements prior to the deadline set for each semester to be assured of a registration appointment time prior to the start of classes. Students whose application files become complete after the deadline date may register after those students who met the deadline, but in some cases, this may be after classes have already started.

Students whose application files are not complete before the start of classes may enroll as non-degree, part-time students. Because the Admissions Office assigns registration appointment times according to the date the application file becomes complete, it is to the applicant's advantage to submit required credentials as early as possible.

Admission Notification Procedures

After all admissions requirements have been received and evaluated by the Admissions Office, the student will be notified by mail of the admission decision. Possible admission classifications are as follows:

**REGULAR ADMISSION STATUS** — Regular admission status will be granted to those applicants meeting all admission requirements. This is an unrestricted admission status.

**PROVISIONAL ADMISSION STATUS** — Applicants who cannot meet the requirements for Regular admission status will be considered for Provisional admission status. Notice: This is not a probationary status. Students admitted with Provisional status must apply for regular status within three (3) semesters, during which time at least fourteen (14) credits must be satisfactorily completed. Twelve (12) of those credits must be represented by one English class plus one class from each of the three areas of the General Education Core requirements at BSU. Provisionally admitted students not satisfying this requirement will be dismissed, subject to admissions committee appeal procedures.

**CONDITIONAL ADMISSION STATUS** — Applicants currently completing their final year of high school or applicants currently attending another college or university may be given Conditional (tentative/temporary) status upon receipt and evaluation of an incomplete transcript, e.g., a 7th semester transcript for high school seniors or an “in-progress” transcript for college students. A final admissions classification will be determined upon receipt and evaluation of a student’s official final transcript. Such students will be issued a Certificate of Admission with a registration appointment time, but must furnish an official final transcript before registration for future semesters will be allowed.

**PROBATIONARY ADMISSION STATUS** — A transfer student, whether resident or non-resident, must have a minimum G.P.A. of 2.00 (C) or above on all prior collegiate work. Students not meeting this requirement may be admitted on probation upon approval of the Dean of Admissions or the Dean of the school or college of their proposed major. Students admitted on probation must earn at least a 2.00 (C) in their first semester of attendance or be subject to academic dismissal. After the first semester, transfer students are subject to the provisions of the Academic Probation and Disqualification policy (see Part 3).

**DENIED ADMISSION STATUS** — Applicants who do not meet the admissions standards for Provisional status will be denied admission to Boise State University as degree-seeking students. Students denied admission may appeal this decision or they may enroll as part-time, non-degree seeking students. When admission standards have been met, students wishing to change to degree-seeking status must reapply for admission.

**NON-DEGREE SEEKING ADMISSION STATUS** — Non-degree seeking students are limited to part-time enrollment (7 or fewer credits per semester) and are not eligible for federal financial aid, veterans’ educational benefits, etc. Applicants who have previously attended other colleges may apply as non-degree seeking students. However, transcripts, if submitted, will not be evaluated until such time as the student applies as a degree-seeking student.

Transfer of Vocational Technical/Academic Credits

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

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

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

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

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

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

**Veterans**: Students wishing to enter and receive G.I. Bill benefits must be degree-seeking, and must meet all admissions requirements listed previously for freshmen or transfer students.

Veterans attending under the G.I. Bill (Chapter 34); new G.I. Bill (Chapter 30); VEA Program (Chapter 32); Selected Reserve Educational Assistance Program (Chapter 106) 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 30, 32, 34 veterans and Chapter 106 and 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.

**Summer School Students**: Students wishing to attend Boise State University during the summer session(s) must complete an application for admission. Such students will not be allowed to enroll as degree-seeking students for fall semester until all admission requirements have been met.

Admission As A Special Undergraduate Student

Persons who are unable to meet requirements as degree-seeking or non-degree seeking students may be considered for admission as non-degree seeking, part-time students upon presentation of satisfactory evidence that they are qualified to do college-level work. Normally, this 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 under this provision are required to complete admission requirements within the first semester of attendance.

**High School Students**: Currently enrolled high school students may enroll as non-degree seeking part-time students 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. A letter from the high school must be provided to satisfy this requirement.

Admission As A Vocational Technical Student

Students who plan to enter a program in the School of Vocational Technical Education, Boise State University, must complete the following through the College of Technology Student Services at least one month prior to the start of classes:

1. Arrange a personal interview with a College of Technology Student Services counselor.
2. Submit a BSU application and pay the required $15.00 application processing fee.
3. Submit an official high school transcript showing date of graduation, a high school equivalency certification, or a GED certification.
showing scores earned.
4. Complete an educational assessment. May be either acceptable ASSET Assessment scores, acceptable ACT or SAT scores, or completion of an Associates or Bachelor degree program as proven by official transcripts. (The ASSET is given at any Idaho Post Secondary Vocational Technical School without a fee.) *NOTE: Health and Technical programs have additional admission requirements.
5. Pay a $75 security deposit to hold your place in the program once you receive your Letter of Acceptance. This is applied to fees upon registration and is refundable only with justifiable cause. The deadline 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 as soon as possible.

You are not admitted into a program until steps 1 through 5, and any additional applicable requirements, have been completed.

Admission As A Graduate Student

The Graduate Admissions Office of the Graduate College provides admissions counseling, evaluates all transcripts for admission to graduate programs and verifies the completion of admission requirements. Students holding a bachelor's or higher degree can be admitted as graduate, senior, sophomore or special for purposes of financial aid application and fee payment.

Admission requirements for students pursuing masters' degrees vary according to the graduate program. Please see the graduate program requirements listed in the Graduate College section of the catalog.

1. All students holding a bachelor's or higher degree must submit a graduate application for admission to the Graduate Admissions Office and pay a non-refundable $15.00 application processing fee.
2. All graduate students, except the categories exempted below, must submit official transcripts from each post-high school institution attended directly to the Graduation Admissions Office. An official transcript is one certified by the issuing institution and mailed by that institution directly to the Boise State Graduate Admissions Office. Exempt categories: Students pursuing general graduate study or undergraduate courses of interest.

Admission As An International Student

Boise State University is happy to admit qualified students from around the world. The following are admission requirements for international students:

Applicants without prior college or university credit will be considered on the basis of their secondary school transcript and the results of the TOEFL (Test of English as a Foreign Language). A minimum TOEFL score of 500 is required for undergraduate study. Students must have strong academic qualifications, and they must have completed the pre-university requirements of their own country.

Applicants who have completed some college or university-level coursework may apply as transfer students. The award of transfer credits will be determined on the basis of course descriptions and examination results. Students must request that official transcripts be sent directly from the colleges or universities previously attended to the Boise State University Foreign Student Admissions Office. English translations of transcripts and a secondary school transcript must also be submitted. Transfer students must have a grade point average of 2.0 or its equivalent. A minimum TOEFL score of 500 is required for undergraduate study. Students who have completed English composition at a U.S. college or university may, in some cases, waive the TOEFL requirement.

Applicants for admission to our Graduate College must have earned at least a bachelor's degree, or its equivalent from an accredited institution. Students must request that transcripts be sent directly from the colleges or universities previously attended to the Boise State University Foreign Student Admissions Office. Transcripts must indicate strong academic achievement. A minimum TOEFL score of 550 is required unless evidence of English proficiency is otherwise provided. Applicants for admission to the Master of Business Administration degree program must provide results of the GMAT (Graduate Management Admission Test). Those applying for the Master's program in Public Affairs, Raptor Biology, English, Geophysics or Geology must provide GRE (Graduate Record Examination) results.

In addition to the academic records and official TOEFL scores, all applicants must submit the following:
1. A Foreign Student Application for Admission.
2. A non-refundable application processing fee of $15.00.
3. Verification of financial resources to cover one full year of expenses.

When an applicant meets all admission requirements, the Foreign Student Coordinator will issue the I-20 form needed to obtain an F-1 student visa. For more specific information, please contact the Office of Foreign Student Admissions.

Tuition and Fees

Questions concerning tuition and fees should be directed to:

Administrative Services
Boise State University
1910 University Drive, Boise, ID 83725
(208) 385-1212/3699

All of the fees, tuition, and other charges are due and payable for 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 after the fee payment deadline are registration are due and payable on the day the registration occurs. Special fees are due at the time registration fees are paid.

Special fees are not refundable after the first day of class.

Questions concerning Student Loans should be directed to:
Student Loan Office
(208) 385-3951

Questions concerning Financial Aid should be directed to:
Financial Aid Office
(208) 385-1664

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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<th>Non-Resident</th>
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<td>Institutional fees (Undergraduate)</td>
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<td>1827.00</td>
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Payment of full-fees does not necessarily constitute full-time enrollment. Please see the section on Academic Information for credit hour requirements.

Deferred Payment of Fees: Full-time students who receive no financial aid and who have no delinquent accounts with the University are eligible to defer payment of part of the fees and tuition in accordance with the following regulations:

1. At least 40 percent of fees and tuition must be paid at the time of registration.
2. Any special fees must be paid in full at the time of registration including deposits, special course fees, insurance, fines, penalties, special workshop fees, and other special charges or fees.
3. Service charges for the deferred payment plan are based upon the amount deferred as follows:

<table>
<thead>
<tr>
<th>AMOUNT DEFERRED</th>
<th>SERVICE CHARGE</th>
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<tbody>
<tr>
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<td>$800 and over</td>
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</tbody>
</table>

This charge is nonrefundable and one-half of it must be paid with each deferred payment. Students who completely withdraw from the University will be charged a $15.00 administrative fee.

4. The deferred balance is payable in two equal installments, which are due on or about October 1 and November 1 for the fall semester and on or about February 1 and March 1 for the spring semester.
5. Any delinquent installments are assessed an additional $8.00 late charge, and the registration of the student concerned is subject to cancellation. If the terms of deferral are not fulfilled, the student loses the right to defer in the future.

6. Students who wish to defer their registration fees must go to the Deferred Fee Office, Room 204-A/B on the second floor of the Administration Building to complete the necessary forms during the registration process.

7. In the event that a student who owes deferred payments withdraws from school, any amount owed the University as a result of deferring these payments will be immediately due and payable and will be deducted from any refund amount that would normally have been available had the student paid full fees in cash at time of registration.

8. In the event that any financial assistance arrives prior to the repayment of the loan, those funds must be used immediately to repay all or a portion of the outstanding deferred loan. This will take precedence over other methods of repayment.

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 Finance and Administration Offices, Administration Building 208. Section 33-3717, Idaho Code, specifies that a resident student shall be:

1. Any student who has one (1) or more parent or court appointed guardians who are domiciled in the State of Idaho. Domicile, in the case of a parent or guardian, means that individual's true, fixed and permanent home and place of habitation. It is the place where that individual intends to remain, and to which that individual expects to return when that individual leaves without intending to establish a new domicile elsewhere. To qualify under this section, the parent, parents or guardian must be residing in the state on the opening day of the term for which the student matriculates.

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

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

4. The spouse of a person who is classified, or who is eligible for classification, as a resident of the State of Idaho for the purposes of attending a college or university.

5. A member of the armed forces of the United States, stationed in the State of Idaho on military orders.

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

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

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

Senior Citizens Rate

Residents of the State of Idaho sixty (60) years and older may attend classes at BSU paying a twenty dollar ($20.00) registration fee and five dollars ($5.00) per credit hour plus any special fees. Proof of age is required when paying fees. The senior citizen's waiver is available in the cashier's office (A-211).

Other Fees

- Part-fees (Undergraduate) ........................................ $65.00 per Sem Hr (7 or fewer credit hours)
- Part-fees (Graduate) ........................................... $83.00 per Sem Hr (7 or fewer credit hours)
- Summer (Undergraduate) ............................................ $66.00 per Sem Hr
- Summer (Graduate) ........................................... $84.00 per Sem Hr
- Application Processing Fee (Non-refundable) .............. $15.00
- Overload Fee (non-refundable) .................................... Variable (Per credit hour cost over 19 credits)
- Duplic ate Activity Card ............................................. $5.00

Music Fees: Music Performance Fee for all private music lessons:
- 2 credits .......................................................... 80.00 per semester
- 4 credits .......................................................... 150.00 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 full year of study and each semester thereafter until successful completion. No more than four semesters for 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-time 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 (subject to change): All full-fees students (8 or more credit hours) are automatically covered by the health insurance program when the full registration fee is paid. Students are insured at home or school, while traveling and during all vacation periods 24 hours a day during the policy period. Coverage for the fall semester begins on the first day of class and ends on the first day of the spring semester. Spring semester benefits continue through August of that year. Student health insurance benefits are available to dependents and to part-time students who pay less than full-time fees but are enrolled in at least three credit hours of class each semester.

Students not wishing to keep this insurance coverage can apply for a refund of the insurance fee by filing a petition with the ASBSU student health insurance representative within 30 days from the beginning of the semester. (See posted dates). The student insurance representative's office is located in the Student Union Building (Room 218, telephone 385-3863) for consultation on the program and claims procedures.

The Boise State University Student Health Center is a separate program that IS NOT CONNECTED with the health insurance. All full-time students are eligible for medical assistance or service from the Student Health Center with or without insurance.

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:

- During first 10 days of classes .................................................. 100%
- less $15.00 processing fee
- After 10th day of class .................................................. No Refund
Short courses, workshops and continuing education classes refund
policies may vary. Please check with the appropriate office for infor-
mation concerning refund policy.

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

Refunds are based upon the date of application for refund after com-
pletion of withdrawal and not from the date of last attendance of class.

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

No private music lesson refunds will be allowed after the first week
of class.

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 financial 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 ex-

The Boise State University has a comprehensive financial assistance pro-
gram 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, 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. Congress and President is used
to determine a student's financial need. Every attempt is made to en-
sure fair distribution of the resources available to the university.

Application Procedures

To be eligible for financial aid during the normal academic year of Fall
and Spring semesters, 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 must be completed by students applying for need-based aid,
   including need-based scholarships. The FAF must be submitted to
   the College Scholarship Service (CSS) with a check or money
   order. Three to four weeks are required for processing. These forms
   are available in January.

2. Financial Aid Transcript

   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 transcript must be sub-
   mitted whether or not financial aid was received. Failure to submit
   the Financial Aid Transcript will delay processing of your application.

3. 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

4. Other Documents

Other documents may be required to process a financial aid applica-
tion and will be requested by the Financial Aid Office. These
documents can include, but are not limited to: tax returns, proof
of citizenship, proof of veterans benefits, permission to release
private records and so on. NOTE: Information about your financial
aid application will not be released (even to your parents) without
your permission.

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 applicant will be considered for
various types of aid on a first-come, first-served basis if there are re-
maining funds. Applications or Student Aid Reports (SAR) received after
April 1 may not be considered in time to receive notification until after
registration for Fall Semester. Students registered for Fall Semester must
meet the March 1 deadline to have aid available for summer-summer.

Summer Session: The university has financial aid available on a
restricted basis during the summer. Students in need of financial aid
who plan to attend summer session should consult with the Financial
Aid office. As soon as the summer class schedule for the appropriate
year is available. The FAF and BSU Application for Financial Aid must
be on file by May 1 prior to the appropriate Summer session.

Financial Aid Programs

1. Pell Grants 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.
   All copies must be submitted to the Financial Aid Office before aid
   processing can begin. New Pell Grant recipients may be eligible for
   up to the full-time equivalent of five academic years. 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 (SSEG) are awarded to undergraduate students
   who show exceptional financial need.

3. Perkins National Direct Student Loan (Perkins/NDSL) is a long-term,
   low interest (5%) loan that must be repaid to the university ac-
   cording to specific Federal guidelines. Payment begins 6 or 9 months
   after graduation or after the student's enrollment drops below 6
   credits. Perkins/NDSL is awarded to both undergraduate and
   graduate students who show exceptional need.

ESTIMATED REPAYMENT SCHEDULE FOR PERKINS LOAN
(Based on 5% interest rate)

<table>
<thead>
<tr>
<th>Loan Amount</th>
<th>Number of Payments</th>
<th>Amount of Payments</th>
<th>Total Interest</th>
<th>Total Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000</td>
<td>30</td>
<td>$30</td>
<td>$78.85</td>
<td>$1,078.85</td>
</tr>
<tr>
<td>2,000</td>
<td>79</td>
<td>30*</td>
<td>347.90</td>
<td>2,347.90</td>
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<tr>
<td>4,000</td>
<td>120</td>
<td>42.42</td>
<td>1,090.40</td>
<td>5,090.40</td>
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<tr>
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<td>120</td>
<td>63.63</td>
<td>1,635.60</td>
<td>7,635.60</td>
</tr>
<tr>
<td>8,000</td>
<td>120</td>
<td>84.85</td>
<td>2,182.00</td>
<td>10,182.00</td>
</tr>
<tr>
<td>10,000</td>
<td>120</td>
<td>106.06</td>
<td>2,727.20</td>
<td>12,727.20</td>
</tr>
</tbody>
</table>

*(Final payment will be slightly less.)

4. College Work Study Program (CWS) 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. CWS is awarded to selected under-
   graduate and graduate students who show need.

5. Idaho Work Study Program provides funds through student employ-
   ment. Funds are limited to residents of Idaho.

6. 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.

7. BSU Student Employment Program has limited funds available for
   undergraduate and graduate students who are unable to qualify for
   CWS, but who desire to work to pay a portion of their educational
   expenses.
Financial Aid

8. 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 by March 1. The Scholarship brochure contains a more complete listing of the various scholarship programs.

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.

c. Paul Douglas Teachers Scholarship Awards are available to Idaho residents who plan to pursue a teaching career and who meet the academic/residency requirements. Recipients who do not teach are required to repay the scholarship. Applications are available from the Office of the State Board of Education, 650 West State Street, Boise, Idaho 83720.

9. Stafford 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 Stafford Loans are accepted and processed throughout the year. Repayment begins 6 months after graduation or 6 months after the student has dropped below 6 credits hours (not earlier than 9 months if loan was borrowed at 7% interest rate—check with your lender). Non-residents should use loan forms appropriate for their states. Stafford Loans are awarded to both undergraduate and graduate students who show need. Students borrowing through this program must attend a “Debt Management” session before any checks are released to them.

ESTIMATED REPAYMENT SCHEDULE FOR STAFFORD LOANS

(Based on 8% interest rate)

<table>
<thead>
<tr>
<th>Loan Amount</th>
<th>Number of Payments</th>
<th>Amount of Payments</th>
<th>Total Interest</th>
<th>Total Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,500</td>
<td>60</td>
<td>$50.70*</td>
<td>$541.46</td>
<td>$3,041.46</td>
</tr>
<tr>
<td>5,000</td>
<td>120</td>
<td>101.39*</td>
<td>1,082.92</td>
<td>6,082.92</td>
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<tr>
<td>10,000</td>
<td>120</td>
<td>121.33*</td>
<td>4,559.31</td>
<td>14,559.31</td>
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<tr>
<td>12,500</td>
<td>120</td>
<td>151.67*</td>
<td>5,699.14</td>
<td>18,199.14</td>
</tr>
<tr>
<td>25,000</td>
<td>120</td>
<td>303.33*</td>
<td>11,398.28</td>
<td>36,398.28</td>
</tr>
</tbody>
</table>

(*Final payment will be slightly less; figures provided by the Student Loan Fund of Idaho.)

10. 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 financial aid award.

Disbursement of Funds:

Fall Term: Students who meet the priority filing deadline may have financial aid available to pay part or all of fall registration fees if the award letter is signed and returned by the date specified (usually three weeks prior to the mailing of bills).

Checks for remaining funds are available approximately one week prior to the start of classes if registration fees are paid.

Checks are available for other students approximately three weeks after the signed award letter is returned to the Financial Aid Office.

Spring Term: Previously awarded aid can be used to pay spring registration fees. Balance checks are available approximately one week prior to the start of classes if registration fees are paid. Subsequent awards will be disbursed approximately two weeks after the signed award letter is returned to the Financial Aid Office.

Checks may be picked up until two weeks after the close of classes.

Stafford Loans: Stafford Loan checks will not be disbursed until the first day of classes in either term and must be picked up by the last day of classes (unless special arrangements are made with your lender).

Effect of G.P.A. and Academic Progress on Financial Aid Eligibility (Reasonable Academic Progress): To receive financial aid at Boise State University, an eligible student must:

1. Enroll for the purpose of obtaining a degree, diploma or certificate.
2. Be in good academic standing. (Cannot be “on probation.”)
3. Progress towards a degree/certificate at the minimum rate defined below.
4. Complete degree requirements within the maximum timeframe provided by this policy.

Enrollment Status

<table>
<thead>
<tr>
<th>Full-time Undergraduate</th>
<th>Part-time Undergraduate</th>
<th>Full-time Graduate</th>
<th>Part-time Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>12+ credits per semester</td>
<td>6-11 credits per semester</td>
<td>9+ credits per semester</td>
<td>5-8 credits per semester</td>
</tr>
</tbody>
</table>

*Students who drop below these levels are not eligible for financial aid.

Change in Enrollment Status: When a student receives financial aid, he or she is expected to complete a designated number of credits. If withdrawal from BSU occurs, the student is liable for pro-rated repayment calculated on the week withdrawal is made in the semester. No repayment is required after the tenth week of school. During week one, 100% repayment is required; weeks two through four require 75% repayment, weeks five through seven require 50% repayment; weeks eight through ten require 25% repayment (weeks are counted on Saturday after school begins). The change may also affect his or her ability to maintain satisfactory progress.

Good Academic Standing: Students on any type of academic probation at the end of Spring semester are not eligible for financial aid. This includes transfer students who are admitted on “probation” and continuing students who are “readmitted” by their deans.

EXCEPTION: Financial Aid will not be withheld for students who earned at least 12 credit hours (excluding remedial credits) with a 2.5 GPA during the most recent semester at Boise State University, and who have not exceeded the maximum time frame allowed for completion of degree/certificate. If a student fails to complete degree/certificate in the semester, the student must appeal for an exception with the Financial Aid Office and receive one additional semester of aid eligibility while making up the deficit.

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

<table>
<thead>
<tr>
<th>SEM</th>
<th>Bachelor’s</th>
<th>Associate</th>
<th>Master’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>2</td>
<td>18</td>
<td>12</td>
<td>18</td>
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<td>3</td>
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<td>18</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>42</td>
<td>24</td>
<td>42</td>
</tr>
<tr>
<td>5</td>
<td>54</td>
<td>30</td>
<td>54</td>
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<tr>
<td>6</td>
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<td>10</td>
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<td>16</td>
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<td>17</td>
<td>178</td>
<td>120</td>
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</tr>
<tr>
<td>18</td>
<td>190</td>
<td>128</td>
<td>128</td>
</tr>
</tbody>
</table>
Maximum Time Allowed for Completion of Degree/Certificate Objectives

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

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

1. Enroll WITHOUT FINANCIAL AID and reapply for aid consideration once the minimum credit hour requirements have been made up. All fall and spring semesters of 6 or more credits are counted as semesters attended and minimum requirements must be met. Additional credits earned over the minimum can be used to make up deficiencies. A summer term won't be counted as a semester attended if the student pays for the term with his or her own money. However, all credits completed can be used to make up shortages.

2. Appeal in writing for exemption from this policy. Extenuating circumstances must be clearly documented. Appeal process includes: letter of recommendation, copy of grade transcript and completed appeal form.

   The following will not be counted as credits completed. F, Audit, withdrawal, or incomplete. Remedial courses (E-010, etc.) will be counted as equivalent hours completed unless the student fails the course. Repeat courses have already been counted toward satisfactory progress; therefore they should be taken in addition to the minimum credits required each term.

Complete Withdrawals: Complete withdrawals will be counted as semesters attended.

Advancement Between Degree Programs: Normal advancement must be shown between degree programs (i.e. Certificate to B.A., Associate to B.A., B.A. to M.A., but not M.A. to Certificate).

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

Appeals: The Financial Aid Office will consider written appeals for exemption of the Reasonable Academic Progress Policy if the poor academic record occurred at least three years prior to application for financial aid. Other documented extenuating circumstances will also be considered and the Financial Aid Office may grant an exemption for a limited period of time. Obtain appeal form from the Financial Aid Office. Appeals may be submitted up to one week after midterm. Appeals will not be considered for previous terms.

Financial Aid for Foreign Students: In order to be granted student visas, foreign students must demonstrate they have resources for the entire period of university attendance. If financial difficulties arise, the foreign student advisor (in the Admissions Office) should be contacted for assistance.

Student Housing

All inquiries requesting housing information and application/contracts should be sent directly to:
The Office of Admissions Counseling
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1401

Completed application/contracts should be returned to:
Housing Cashiers Office
Boise State University
1910 University Drive, A 211
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 785 students. The hall experience contributes to and encourages participation in the total university community. The Towers is a coed hall that will accommodate 300 students (150 men and 150 women); Chaffee Hall houses approximately 300 students and is divided into two separate three-story units with Chaffee East housing 147 men and Chaffee West having 148 women; Driscoll and Morrison Halls accommodate 82 students each, with Driscoll serving as a women's facility and Morrison as an upper-class coed hall; Lincoln Hall is a newly acquired facility that accommodates 28 men in four suites. 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 two floors for women. The center floor is coed. 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 52 single and 15 double rooms arranged in 9 suites, accommodating eight to twelve students per suite.

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

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

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

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

Board and Room Charges

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

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

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

Personal Property and Liability: Students in residence halls are responsible for providing insurance against loss or damage to their own personal property. The university does not assume responsibility for or carry insurance against the loss or damage of individually owned personal property.
Meal Options and 1990-91 Prices

<table>
<thead>
<tr>
<th>Room Choices</th>
<th>Double</th>
<th>Single</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1 (19 meals per week, 3 each weekday and 2 on Saturday and Sunday)</td>
<td>$2768</td>
<td>$3147</td>
</tr>
<tr>
<td>Option 2 (any 15 meals of the 19 available)</td>
<td>$2680</td>
<td>$3059</td>
</tr>
<tr>
<td>Option 3 (any 10 meals of the 19 available)</td>
<td>$2545</td>
<td>$2924</td>
</tr>
</tbody>
</table>

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

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

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 bedroom units and 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 214, 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 security deposit of one month’s rent (less the $50.00 application fee) and rent to the end of the month prior to moving into the apartment. A $25.00 processing fee is taken from the security deposit upon termination of the lease.

Rental Rates Per Month (1990-91 prices)

<table>
<thead>
<tr>
<th>University Courts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Small One Bedroom</td>
<td>$179.00</td>
</tr>
<tr>
<td>Large One Bedroom</td>
<td>$226.00</td>
</tr>
<tr>
<td>Two Bedroom</td>
<td>$265.00</td>
</tr>
<tr>
<td>Three Bedroom</td>
<td>$295.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University Heights</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One Bedroom</td>
<td>$252.00</td>
</tr>
<tr>
<td>Two Bedroom</td>
<td>$288.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University Manor</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One Bedroom</td>
<td>$252.00</td>
</tr>
<tr>
<td>Two Bedroom</td>
<td>$278.00</td>
</tr>
</tbody>
</table>

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

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

Off-Campus Student Housing

Lists of available housing are on file in the Office of Student Residential Life, Administration Building Room 214. The university does not inspect any of the listings. Parents and students must accept full responsibility for the selection. The university recommends that students and parents make written agreements with landlords concerning the obligations and expectations of each party.

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

Questions about academic regulations should be directed to:

Registrar's Office
Administration Building, Room 108
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, Pell Grant, Federal and State Grants-in-Aid, banks or other student loan agencies, insurance companies, other universities, etc., the following schedule will be used.

Undergraduate:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>12 or more undergraduate semester hours</td>
</tr>
<tr>
<td>3/4-time</td>
<td>9-11 undergraduate semester hours</td>
</tr>
<tr>
<td>1/2-time</td>
<td>6-8 undergraduate semester hours</td>
</tr>
<tr>
<td>Less than 1/2-time</td>
<td>5 or fewer undergraduate semester hours</td>
</tr>
</tbody>
</table>

Graduate:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>9 or more graduate semester hours</td>
</tr>
<tr>
<td>3/4-time</td>
<td>6-8 graduate semester hours</td>
</tr>
<tr>
<td>1/2-time</td>
<td>4-5 graduate semester hours</td>
</tr>
<tr>
<td>Less than 1/2-time</td>
<td>3 or fewer 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

During registration each student works with an 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 registration or any change in registration. Students who have not chosen a specific department of interest are advised at the Academic Advising Center, Math/Geology building, room 102. Students who are interested in General Business are advised at the Student Services Center, Business building, room 203. Students who have chosen a specific program of study are advised at their chosen academic departments.

Dates of 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.

Final Examinations

The Final Examination Schedule is published each semester in the Course Schedule Bulletin. Any final exam given will be scheduled during the officially scheduled time slots. Exceptions will be allowed only on an individual basis, to be arranged between the faculty and the student.

No examination will be given by faculty of the university during the week prior to the week when finals are formally scheduled, except 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.

Computation of the Grade Point Average:

1. In computing the overall cumulative 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 last 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. The BSU cumulative GPA includes only those courses taken at BSU.

2. The computation: The GPA is computed only from courses that contribute to the number of GPA credits attempted. For each 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 may repeat a course once to improve a grade. Independent studies, internships, and student teaching may be taken only once; they may not be repeated. 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 last 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 the class activities. Students failing to meet the audit requirements established by the instructor may be assigned a grade of "W" (equivalent to withdrawal).
Registration and Student Status Changes

Questions about registration should be directed to:
Registrar's Office
Administration Building, Room 110
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 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 Record and Registration" form must be secured, signed by the advisor for students enrolling in 8 credit hours or more. Detailed procedural information and instructions are printed each semester in the class schedule.

From the end of the open registration period until the end of the tenth week of classes students who wish to add courses must obtain a "Change in Record and Registration" form from the Registrar's Office (Adm. Bldg.-Room 110) and obtain permission and signature of the advisor (if enrolled in 8 credit hours or more), the instructor and the department chairperson (of the student's major).

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

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

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

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.

Late Registration: Individuals who file an application for admission after the cut-off dates for 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 an "Appeal for Registration" form from the Registrar's Office, Room 110, Administration Building. This form must be signed by the advisor (if enrolling for 8 or more credit hours), the instructor of each course, the department chairperson and dean of school/college of the student's major. The approved appeal form must be filed with the Registrar's Office and with the Cashier's Office for fee payment. 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.

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 110 of the Administration Building. Mailing of notices to the last address on record constitutes official notification.

Withdrawal, Probation and Dismissal Policies

Complete Withdrawal from the University: Students who wish to withdraw from all courses and leave the university in good standing must initiate an official request with the Dean of Student Special Services. Vocational Technical students must clear with the vocational counselor prior to reporting to the Student Special Services Office.

Students who are physically unable to come in 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 re-registration for that semester except for extreme situations verified by the Dean of Student Special Services.

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 students' problem to the Vice-President for Student Affairs at least two weeks prior to the last day to make class changes (see Academic Calendar for exact day).

   The Vice-President will notify each student of the impending action requesting that the student meet with the instructor. When the two week period is over, the instructor will send an amended version of the original list to the Vice-President indicating which student should be withdrawn. The list must be signed by the appropriate department chairperson.

   APPEALS: The Vice-President for Student Affairs strives for accommodation between the student and instructor.

   Students who disagree with the decision of the instructor and department chairperson may appeal to the Academic Grievance Board.

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

   PROCEDURE: The professor must send a list signed by the department chairperson to the Registrar's Office no later than two weeks prior to the last day to make class changes for that semester (refer
Administrative Holds and Withdrawals: A student may be prevented from registering for classes, restricted from enrolling as a "full fees" student or administratively withdrawn 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). 

For an administrative withdrawal is sent to the Dean of Student Services or Registrar will notify delinquent students of the administrative withdrawal by certified mail. If no effort is made to correct the situation within two weeks after notification the request for an administrative withdrawal is sent to the Dean of Student Special Services for final action.

Academic Probation and Dismissal Policy: A student whose academic work falls below the level indicated in the table below is placed on academic probation. A student who continues on academic probation at the end of the next semester of attendance is subject to dismissal from the university.

Transfer students admitted on probation must earn at least a 2.00 GPA in their first semester or be subject to academic dismissal.

<table>
<thead>
<tr>
<th>Total Cumulative Credits Earned</th>
<th>Minimum BSU Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6</td>
<td>1.00</td>
</tr>
<tr>
<td>7-32</td>
<td>1.60</td>
</tr>
<tr>
<td>33-64</td>
<td>1.80</td>
</tr>
<tr>
<td>65 or more</td>
<td>2.00</td>
</tr>
</tbody>
</table>

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

2. Dismissal
   The student who continues on academic probation at the end of the next semester of attendance will be dismissed from the university unless the student's GPA for the most recent semester of enrollment was 2.00 or higher in which case the student is in "continued probation" status until the BSU cumulative G.P.A. is 2.00 or higher.

3. Notification
   Students are notified by letter (sent to mailing address) of probationary, dismissal or continued probationary status at the end of each semester and summer session.

4. Reinstatement
   a. A student dismissed from the university may be reinstated by receiving favorable action on a petition to the academic dean of their major. 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.

5. 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.)

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

Courses numbered at the 300 or 400 levels may be given "G" designation to carry graduate credit. The department or school concerned will have the right to limit the number of "G" credits which can count toward any masters degree for which it has responsibility, and in no case can more than one-third of the credits in a degree program be in courses at the 300 and 400 level. No course numbered below 500 carries graduate credit unless the letter "G" is affixed.

Graduate students enrolled in "G" courses will be required to do extra work in order to receive graduate credit for the courses.

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:

(3-0-3) Indicates a typical three hour lecture class for three credits.
(3-4-0) Indicates three hour lecture, 4 hours laboratory and 3 credits.
(0-4-0) Indicates a laboratory without credit.
(0-2-1) Indicates a two-hour studio art or FA activity class for one credit.

If the course appears (i.e. 3-0-3) without any of the indicators listed below the course is offered every semester (i.e. Fall, Spring and Summer), although there may be occasional exceptions. If there are deviations from the abbreviations they will be explained in the narrative description of the course.

(F) Indicates the course is offered Fall only.
(S) Indicates the course is offered Spring only.
(F,S) Indicates the course is offered Fall and Spring.
(F/S) Indicates the course is offered Fall and/or Spring.
(F,SU) Indicates the course is offered Fall and Summer only.
(S,SU) Indicates the course is offered Spring and Summer only.

Other authorized abbreviations are PREREQ: for prerequisite, COREQ: for corequisite, PERM/INST for permission of the instructor and PERM/CHAIR for permission of the department chairperson or their 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 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 chairperson 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, Room 102.

**University-Wide Course Numbers**

**Undergraduate**

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

- **188 and 496 INDEPENDENT STUDY** 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 chairperson upon recommendation of the faculty advisor.

- **299-439 FOREIGN STUDY** (Variable Credits). The foreign study number is available to academic departments who participate in studies abroad consortia of which Boise State is a member or who conduct their own approved international studies programs. Each foreign study course must receive approval from the academic department whose course prefix is being used. Foreign study courses will be described in the class schedule published each semester.

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

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

**Graduation Requirements**

Questions about graduation requirements should be directed to:

Registrar’s Office
Administration Building, Room 102
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-3486

**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 and Mathematics. Specific coursework will be required in at least three disciplines in Areas I and II. B.A. 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, B.A. students must have an additional 9 hours in Area I and/or II, and B.S. students must have an additional 9 hours in Areas II and/or III. Degrees other than the B.A. or B.S. may differ in their core content quantitatively from the core, but must contain English Composition and a minimum of 26 credits to be chosen from Areas I, II, and III, with no less than 6 credits taken from any one of those areas. Courses offered to fulfill core requirements will be identified by area in the catalog; e.g., P 101 GENERAL PSYCHOLOGY (3-0-3)(AREA II). A grade of “C” is required in any course used to fulfill a core requirement including E 101, 102. All entering full-time students whose national test scores (ACT or SAT) show a composite percentile at the 20th percentile in English or Math will be referred to a special advisor who will help the student enroll in appropriate courses to build basic skills. Such students should not enroll in more than an equivalent of 12 credit hours per semester until the deficiency is removed.

Students transferring from College of Southern Idaho, North Idaho College, Ricks College or Treasure Valley Community College who have earned an Associate of Arts or Associate of Science degree after Fall...
1988 or who have been certified as having completed their institution's general education core requirements under the provisions of the Idaho Statewide Articulation Policy will not be required to complete any additional lower division general education core requirements at Boise State University.

All students must pass a minimal competency exam in written English as a graduation requirement separate from course requirements. BSU is committed to demonstrated literacy in each of its graduates because the ability to write effectively has long been the mark of an educated person, a means of both informing and reflecting our world. Since language often creates the ideas which are the bases of academic work, BSU requires demonstrated proficiency, whether students took writing classes here or at other universities, and regardless of how recently students have completed the course.

Students who have not had the exam as part of their writing courses at BSU must pass it to be eligible for graduation and should plan to take it before their senior year. This examination, which includes both parts of the exam given to E 101 and E 102 students, since Spring Semester, 1981, is a requirement adopted by the university and approved by the State Board of Education even though it is administered by the Department of English. Students who completed English Composition prior to Spring Semester, 1981 at Boise State University, and transfer students who have completed their English Composition at another institution will need to contact the Writing Center for test dates.

Testing dates are announced the prior semester and coincide with the make-up administrations for students enrolled in E 101 and E 102. There is an administration fee of $10.00 per testing, payable at the BSU cashier (second floor of the Administration Building) at least 24 hours prior to the exam. This fee pays for part of the expense of scoring and record keeping involved. The Writing Center (LA 220) offers help to students who wish to prepare for the exam.

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

1. Completion of E 101 and E 102, English Composition.
2. Completion of E 111 and E 112, Honors Composition. Admittance is dependent on ACT score.
3. Successful Challenge of E 101 or E 102 by taking the departmentally specified competency test.
4. Students who score in the 80th percentile or above on the ACT, or who are permitted to take and pass the departmentally specified competency test are exempt from E 101. E 102 is required.
5. The TSWE (Test of Standard Written English) is a 30-minute placement exam given to students who wish to enroll in freshman English. Students with ACT or SAT scores do not need to take this exam, nor do students who wish to enroll in E 010 (Developmental Writing). The exam fee is $5.00.

The exam assesses students' ability to use standard written English. Exam results are used to determine a student's placement in one of the following:

<table>
<thead>
<tr>
<th>Test Score</th>
<th>Class Indicated</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-19</td>
<td>E 010 Developmental Writing</td>
</tr>
<tr>
<td>20-89</td>
<td>E 101 English Composition</td>
</tr>
<tr>
<td>90-100</td>
<td>E 111 Honors English</td>
</tr>
<tr>
<td></td>
<td>or E 101-099 English Challenge</td>
</tr>
</tbody>
</table>

For testing times and locations, contact Sherry Grop, English Composition Department, 385-1423, LA 206B.

ESL (English as a Second Language) students should not take the TSWE. They should take the Michigan Exam given by Testing and Counseling. Contact Brenda Ross, 385-1757, A-107, for testing times and location.

Area Requirements

AREA REQUIREMENTS are general education requirements required of all students seeking a Baccalaureate degree. Courses in the following lists have been approved to satisfy the core requirements.

Area I—Arts and Humanities

AR 101, 102 Survey of Western Art
AR 103 Introduction to Art
AR 105, 106 Basic Design

Area II—Social Sciences

AN 101 Physical Anthropology
AN 102 Cultural Anthropology
AN 103 Introduction to Archaeology
CM 111 Fundamentals of Speech Communication
CM 112 Reasoned Discourse
EC 205 Principles of Microeconomics
EC 206 Principles of Macroeconomics

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

Area III—Natural Science—Mathematics

B 100 Concepts of Biology
BT 130 General Botany
C 100 Concepts of Chemistry
C 107 Essentials of Chemistry
C 108 Laboratory for Essentials of Chemistry
NOTE: Concurrent enrollment is required.
C 109 Essentials of Chemistry
NOTE: Students CANNOT receive credit for C 109 if they received credit for C 100.
C 110 Laboratory for Essentials of Chemistry
NOTE: Concurrent enrollment is required.
C 131 College Chemistry
C 132 Laboratory for College Chemistry
NOTE: Concurrent enrollment is required.
C 133 College Chemistry
NOTE: Students CANNOT receive credit for C 133 if they received credit for C 100.
C 134 Laboratory for College Chemistry
NOTE: Concurrent enrollment is required.
EN 100 Energy for Society
GO 100 Fundamentals of Geology
NOTE: Open to all students except those with previous credits in Geology, or Earth Science majors, or non-science majors who plan an eight hour sequence in Geology.
GO 101 Physical Geology
GO 103 Historical Geology
M 100 Mathematics for Liberal Arts Students
M 105, 106 Mathematics for Business Decisions
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 provided 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 2.00 GPA in all courses required by their major.
   b. Students will not be allowed credit toward their major department requirements for any grade of "D" in upper division courses in their major department.
   c. Understanding and application of computers constitute an important component in the preparation of graduates from Boise State University. To accomplish this mission, Boise State University graduates must be able to make use of the computer for tasks appropriate to their discipline. Each department identifies competency standards for its majors.
5. A minimum of 15 credit hours of electives outside of the major field.
6. Minimum credit hours in residence: The last 30 credit hours prior to graduation must be taken at the university during the regular or summer sessions.
7. Telecourse: Each pass/fail course carries regular college credit which fulfill general elective requirements ONLY. No more than 12 telecourse credits may be applied toward university graduation requirements.

**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.

**Bachelor of Arts Degree**

**Minimum Credit Requirements**

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

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

3. **Area II Requirements**
   - Social Sciences .................................................. 12
     a. Three credits in History
     b. Three credits in a second field
     c. Three credits in a third field
     d. Three credits in any Area II field

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
        3) Geology—Fundamentals of Geology
        4) Mathematics—Mathematics for Liberal Arts Students
        5) Physics, Engineering, and Physical Science
           a) Energy for Society
           b) Introduction to Descriptive Astronomy
           c) Either Foundations of Physical Science or A Cultural Approach to Physics, but not both

5. Students seeking the BA degree must have an additional 9 credits chosen from courses in any of the following disciplines:
   - Anthropology
   - Literature
   - Art
   - Music
   - Communication
   - Philosophy

**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/school granting the additional degree.
3. Satisfactory completion of other requirements of the University as required by the department and approved by the dean 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/school granting the additional degree as well as satisfying all requirements for the degree sought.

**Graduation Honors** are awarded to recipients of a first baccalaureate degree, associate degree, diploma or certificate of completion with cumulative G.P.A.'s of 3.5 or higher. An individual with a grade point average of 3.50 to 3.74 receives "Cum Laude" designation; a person with a 3.75 to 3.94 grade point average receives a "Magna Cum Laude" designation and a person who achieves a 3.95 to 4.0 grade point average receives a "Summa Cum Laude" designation. Students receiving second degrees are ineligible for these honors.
6. Departmental major

**Bachelor of Science Degree**

**Minimum Credit Requirements**

1. General University Requirements
   English Composition E 101, 102  
   
   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  
   Three fields must be represented

3. Area II Requirements
   Social Sciences  
   Three fields must be represented

4. Area III Requirements
   Natural Sciences-Mathematics  
   Two fields must be represented
   a. A year's sequence chosen from:
      1) Biological Sciences
      2) Mathematics
      3) Physical Sciences
      
      NOTE: The Physical Sciences include courses in Chemistry, Geology, Physical Science and Physics.

      With additional credits from a field other than that chosen to satisfy the sequence requirement OR

   b. Any three of the following courses except no more than two from a single department:
      1) Biology—Concepts of Biology
      2) Chemistry—Concepts of Chemistry
      3) Geology—Fundamentals of Geology
      4) Mathematics—Mathematics for Liberal Arts Students
      5) Physics, Engineering, and Physical Science
         a) Energy for Society
         b) Introduction to Descriptive Astronomy
         c) Either Foundations of Physical Science or A Cultural Approach to Physics, but not both

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

6. A major in Accounting, Computer Information Systems, Economics, Finance, General Business Management, Management, Marketing, or Production and Operations Management meeting all specific requirements for the major.

**Bachelor of Fine Arts Degree**

**Minimum Credit Requirements**

1. General University Requirements
   English Composition E 101, 102  
   
   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  
   
   Literature  
   
   Other courses  
   
   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  
   Lower Division History  
   
   Other courses  
   
   No fewer than 3 credits selected from:
   - Anthropology
   - Communication
   - Political Science
   - Economics
   - Psychology
   - Teacher Education

   Additional courses  
   
   No fewer than 3 additional credits selected from areas listed above.

4. Area III Requirements
   Natural Science-Mathematics  
   
   a. A year's sequence chosen from the following:
      - Biological Science
      - Mathematics
      - Physical Science
      
      NOTE: Physical Science includes courses in Chemistry, Geology, Physical Science and Physics.

      OR

   b. Any two of the following:
      - Concepts of Biology
      - Concepts of Chemistry
Bachelor of Music Degree

Minimum Credit Requirements

1. General University Requirements
   English Composition ........................................ 3-6
   NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.

2. Area I Requirements
   Arts & Humanities ........................................... 9
   Literature .................................................... 3
   Three credits in a second field ............................ 3
   Three credits in any of the following fields ............ 3
      • Art
      • Humanities
      • Literature

3. Area II Requirements
   Social Sciences ............................................... 9
   History ......................................................... 3
   Three credits in a second field ............................ 3
   Three credits in any of the following fields ............ 3
      • Anthropology
      • Political Science
      • Communication
      • Psychology
      • Economics
      • Social Work
      • Geography
      • Sociology
      • History
      • 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:
      Biological Sciences
      Mathematics
      Physical Sciences
      OR
      Any two of the following courses:
      Concepts of Biology
      Concepts of Chemistry
      Fundamentals of Geology
      Foundations of Physical Science
      Mathematics for Liberal Arts Students
      Introduction to Descriptive Astronomy

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 Interdisciplinary Studies Degree

Admission Requirements

1. Completion of fewer than 64 semester hours (a student may, however, be admitted to the program during the junior year with the approval of the student's advisory committee and the Interdisciplinary Studies Committee).

2. Approval by the advisory committee and the Interdisciplinary Studies Committee of the student's proposed plan of study.

Minimum Credit Requirements

1. General University Requirements
   English Composition E 101, 102 ................................ 3 or 6
   NOTE: Number of required credits is determined by student score on ACT/SAT 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

5. Project ....................................................... 3
   (Will require the student to draw critically upon the two or more disciplines studied and to integrate disciplinary insights.)

6. Major (including project) ................................ 48
   of which no more than 30 credit hours may be earned in the College of Business or from any one department.

7. Completion of the above requirements and the approved plan of study (with a minimum grade of C) plus electives to total a minimum of 128 semester hours (including at least 40 hours of upper-division work). The student must have a minimum cumulative grade-point average of 2.00.

Bachelor of Applied Science Degree

The College of Technology offers a Bachelor of Applied Science degree in a Vocational Technical field. The Bachelor of Applied Science degree is designed to build upon the Associate of Applied Science degree (A.A.S.) or selected Associate of Science (A.S.) degrees.

Graduates of technical programs that meet the Idaho standards for the A.A.S. degree and are accredited by a regional accrediting body that is recognized by the Council of Postsecondary Accreditation are eligible for admission. The minimum requirements for the A.A.S. degree include:

Vocational or Technical education courses .................. 42 credits
Vocational or Technical support courses ..................... 10 credits
General education courses .................................... 12 credits
TOTAL .............................................. 64 CREDITS

Exceptions to the above must be reviewed by the Dean, College of Technology for a determination regarding eligibility for admission. Credit for prior learning will be determined in accordance with prevailing institutional policy.

Recommendations for admission to the Bachelor of Applied Science degree must be obtained from the Dean, College of Technology. The interested student must be formally admitted into the Bachelor of Applied Science degree program by the Dean, College of Technology.

1. Vocational Technical Education Program .................. 64

2. 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.

3. Area I Requirements
   Arts & Humanities ........................................... 12
   Three fields must be represented

4. Area II Requirements
   Social Sciences ............................................... 12
   Three fields must be represented

5. Area III Requirements
   Natural Sciences and Mathematics .......................... 12
   Two fields must be represented
   NOTE: Students seeking a B.A.S. with an A.S. degree in Marketing: Mid-Management must complete M 105 and M 106 in addition to the requirements listed above.
   NOTE: University Core courses used to meet vocational technical education requirements cannot be used to meet the above listed Area requirements.

6. Students seeking the B.A.S. degree must have an additional 9 credits chosen from upper division courses in any of the following disciplines (Social Science and Natural Sciences-Mathematics must be represented):
   • Anthropology
   • Biology
   • Mathematics
   • Physical Science
Minors

Minors are available in selected fields and as minor teaching emphasis in secondary education option programs. The following is a list of approved minors. Requirements are listed with the appropriate school or college. See page 30 for requirements for the Canadian Studies, Gerontology, and Legal Assistant Minors.

- Accounting
- Anthropology
- Art
- Biology
- Business
- Chemistry
- Construction Management
- Economics
- English
- International Business
- Mathematics
- Multi-Ethnic Studies
- Music
- Philosophy
- Physics
- Political Science
- Psychology
- Social Work
- Sociology
- Teacher Education

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 Arts Degree Program

Participation in this program is limited to students at Off-Campus locations. 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

TOTAL 64 Cr

Entrance into this program by an Off-Campus student will be through a signed agreement by the student, Department Chairperson of major, and the Continuing Education Director, Boise State University. The agreement will be made available to only those students who have graduated from high school or who have successfully passed the G.E.D. examinations.

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

## Degree Codes

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

## Degree Abbreviations

- Codes in brackets indicate programs where degree is offered.

## Majors and Degrees

- **Accounting (BBA, BA, BS)**
- **Advertising Design (BA, BFA)**
- **Agricultural Equipment Technology (CC)**
- **Anthropology (BA)**
- **Anthropology, Social Science, Secondary Education (BA)**
- **Art, Education (BA, BFA)**
- **Art, General (BA, BFA)**
- **Athletic Training (BS)**
- **Auto Body (CC)**
- **Automated Industrial Technician (AAS)**
- **Automotive Mechanics (CC)**
- **Bachelor of Applied Science, Vocational Technical (BAS)**
- **Biology (BS)**
- **Biology, Secondary Education (BS)**
- **Business and Office Education (CC)**
  - Bookkeeping Option (AAS)
  - Business Option (AAS)
  - Business Systems & Computer Repair (AAS)
  - Chemistry (BS)
  - Chemistry, Secondary Education (BS)
  - Child Care Studies: Child Care Assistant (CC)
  - Child Care Studies: Teacher-Supervisor (AAS)
  - Communication/English Combination (BA)
  - Communication (BA)
  - Communication Training & Development
  - Communication (MA)
  - Computer Information Systems (BBA, BA, BS)
  - Construction Management (BS)
  - Criminal Justice Administration (AS, BA, BS)
  - Corrections/Counseling
  - Courts/Law
  - Law Enforcement
  - Research Methods
  - Culinary Arts (CC, AAS)
  - Dental Assisting (CC)
  - Drafting Technology (AAS)
  - Earth Science Education, Secondary Education (BS)
  - Economics (BBA, BA, BS)
  - Social Science Option
  - Quantitative Option
  - Economics, Social Science, Secondary Education (BA, BS)
  - Electrical Lineworker (CC)
  - Electronics-Semi-Conductor Technology (AAS)
  - Electronics Service Technician (AAS)
  - Electronics Technology (AAS)
  - Elementary Education (BA)
  - Early Childhood Education (AAS)
  - Early Childhood Education (Certificate)
  - Library Science (Endorsement)
  - Reading (Endorsement)
  - Special Education (Endorsement)
  - Elementary Education-Bilingual-Multicultural (BA)
  - English (BA)
  - Liberal Arts Option
  - General Literature Option
  - General Option
  - General Option with emphasis in:
    - American Literature
    - British Literature
    - Linguistics
    - World Literature
    - History
    - English, Secondary Education (BA)
    - English (MA)
    - Environmental Health (BS)
    - Exercise and Sport Studies (MS)
    - Finance (BA, BS)
    - Fire Service Technology (AAS)
    - General Business Management (BBA, BA, BS)
    - Geology (BS, MS)
    - Geophysics (BS, MS)
    - Health Sciences (BS)
    - Heavy Duty Mechanics—Diesel (CC)
    - History (BA, MA)
    - History, Secondary Education (BA)
    - History, Social Science, Secondary Education (BA)
    - Horticulture Service Technician (AAS)
    - Industrial Technology (AAS)
    - Industrial Mechanics/Automation (CC)
    - Interdisciplinary Studies (BS, MA, MS)
    - Machine Shop (AAS, Diploma)
    - Management (BBA, BA, BS)
    - Manufacturing Technology (AAS, BS)
    - Marketing (BBA, BA, BS)
    - Marketing: Mid-Management (AS)
    - Master of Business Administration (MBA)
    - Mathematics (BA, BS)
    - Mathematics, Secondary Education (BA, BS, MS)
    - Medical Record Science (AS)
    - Medical Technology (BS)
    - Multi-Ethnic Studies (BA)
    - Music (BA, BM)
    - Music/Business
    - Music/Performance
    - Theory-Composition
    - Music Education (BM, MM)
    - Pedagogy (MM)
    - Masters in Education (MA, MS)
    - Art Education
    - Early Childhood Education
    - Earth Science Education
    - Educational Technology
    - Environmental Health (BS)
  - Physical Science (BS)
  - Pre-Dental Hygiene (AS)
  - Pre-Dietetics (BS)
  - Pre-Engineering (BS)
  - Pre-Forestry & Wildlife Management (BS)
  - Pre-Medical & Pre-Dental (BS)
  - Psychology (BS, MS)
  - Public Affairs (MPA)
  - Radiologic Technology (AS, BS)
  - Raptor Biology (MS)
  - Refrigeration, Heating & Air Conditioning (CC)
  - Respiratory Therapy (BS, MS)
  - Respiratory Therapy Business (MA, MS, BS)
  - Small Engine Repair (CC)
  - Social Science (AA*, BA, BS)
  - Social Work (BA)
  - Sociology (BA, BS)
  - Sociology, Social Science, Secondary Education (BA)
  - Surgical Technology (CC)
  - Theatre Arts (BA)
  - Theatre Arts, Secondary Education (BA)
  - Water/Wastewater Technology (CC)
  - Welding & Metals Fabrication (CC)

## Minors Offered

- **Accounting**
- **Anthropology**
- **Art**
- **Biology**
- **Business**
- **Canadian Studies**
- **Chemistry**
- **Construction Management**
- **Economics**
- **English**
- **Geology**
- **International Business**
- **Legal Assistant**
- **Mathematics**
- **Multi-Ethnic Studies**
- **Music**
- **Philosophy**
- **Physics**
- **Political Science**
- **Theatre Arts**
Honors Program

Questions about the Honors Program should be directed to:
Honors Program Director
Library Building, Room L 408G
Boise State University
1910 University Drive
Boise, ID 83725
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 how to learn.

Eligibility: The Honors Program welcomes applications from students in all university departments. A student may be admitted to the program based upon evaluation of the individual’s academic record and an interview. Automatic admission is granted to incoming freshman with a 3.5 high school G.P.A. and a score at or above the 88th percentile on the composite part of the ACT or SAT. Automatic admission is granted to transfer students from other colleges and universities who have a college G.P.A. of 3.3 and a recommendation from a faculty member at Boise State or their former school. It should be emphasized that these criteria are for automatic admission to the program. All interested students are strongly encouraged to apply, for evaluations are made on an individual basis. Students who are not able to meet these standards may be granted a provisional admittance, or simply asked to reapply after completing one semester at Boise State.

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

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

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

The following honors courses are offered. With approval of the University Curriculum Committee, these courses (excluding Senior Honors Project) may be applicable to Core.

HP 198-H, 298-H, 398-H, 498-H HONORS SEMINAR (1 credit/F,S). 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.
The purpose of this degree program is to permit students to assume responsibility for developing a plan of study with a theme that suits their individual interests and particular need. The B.I.S. Degree permits students to formulate their own plans of study by utilizing both intercollege and interdepartmental combinations of courses that will provide either a specialized or broad pattern of educational experience. Plans of study which follow a single department or an established interdisciplinary major are excluded from the Interdisciplinary Studies Degree. Though the B.I.S. Degree is not designed as a vocational or preprofessional program, students may desire to develop plans of study that will prepare them for graduate study in a specific subject or for teaching on the secondary level by meeting teacher certification requirements.

The Director of the Interdisciplinary Studies Program is the Associate Dean of the College of Arts and Sciences. A university-wide Interdisciplinary Studies Committee consisting of one member from each academic School or College appointed by the respective deans oversees the program. The Director of Interdisciplinary Studies serves as the chairperson of that committee. Each student in the program will have an advisory committee composed of three faculty members from the disciplines making up the interdisciplinary program. The student's advisory committee has the responsibility of helping the student select his or her particular course of study and recommends to the Interdisciplinary Studies Committee that it be accepted as the student's formal plan of study. The Interdisciplinary Studies Committee is responsible for approving the members of the student's advisory committee, approving the student's plan of study, and approving the student's prospectus for the final project.

Students may withdraw from the program by presenting a letter of notification and by taking appropriate action to enter a program leading to another degree.

Additional information may be obtained from the Associate Dean of the College of Arts and Sciences.

**Interdisciplinary Humanities**

A more complex view of human nature and the process of living in society 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 College 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.

**Interdisciplinary Courses:** The following interdisciplinary courses are identified with more than one school or department and fulfill Area I core requirements.

**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 considerations of different human experience. Among the topics explored are different theories of human nature, different ways of knowing, the nature of humanistic understanding, and the implication of either accepting or rejecting different claims about human nature. PREREQ: Completion of or concurrent enrollment in E 101.

**IH 102 HUMANITIES: A VIEW OF HUMAN NATURE II (3-0-3),** As a continuation of IH 101, this lecture/discussion course focuses on humanistic perceptions and assumptions concerning how people understand and respond to society and the process of either accepting or rejecting the pressure to conform to society and social norms. The course provides insight into the sometimes conflicting values of social conformity and individual freedom, and the various ways people respond to the dilemmas of resolving the claims of freedom and authority on human behavior. 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. Through the human ability and need to create frameworks of values that allows people to evaluate and place in a coherent context the experiences and ideas that we encounter in the process of living as individuals and as members of social groups. 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. In practical terms, the course investigates potential changes in response to future problems from the perspective of how those changes might impact on human values. PREREQ: Completion of or concurrent enrollment in E101.

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**

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), Major Appointed Officers (Treasurer, Administrative Assistant to the President and Personnel Selection Chair), 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) (F-Alternate uneven years.) Introductory, interdisciplinary survey, presenting the themes of geography, physical resources, history, political system and Indian Eskimo culture. Faculty from participating departments will span 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) (F-Alternate Even Years). Faculty from participating departments present areas of current Canadian national/international interest. Detailed study of modern Canadian life and culture, literature, economic development, foreign affairs, conservation, and provincial/national relationships are focused. Open to all students. Required of CN Minors.

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

- AN 307 Indians of North America
- AN 312 Archaeology of North America
- AN 409 Anthropology of Education
- CM 300 Comm Issues, Industries & Inquiry in Canada
- EC 317 International Economics
- F 201-02 Intermediate French
- F 303-04 Advanced Composition and Conversation
- F 328 French Literature: Enlightenment, Romanticism, Realism
- F 359 Twentieth-Century French Literature
- F 376 French Civilization & Culture to 1789
- F 377 Modern Francophone Civilization & Culture
- HV 335 Diplomatic History of the United States
- HV 380-480 United States Constitutional Records
- PO 311 Comparative Foreign Policy
- SO 230 Intro Multi-Ethnic Studies

Special Topics are offered each semester on Canada.

**Interdisciplinary Studies in Aging**

Students have the opportunity to earn a Minor in Gerontology through a structured, upper division, interdisciplinary studies program. Courses provide students from any major an opportunity to become knowledgeable about the biological, psychological, and sociological aspects of the aging process. Additionally, required course work provides students an excellent understanding about health and aging as well as the social utilities and personal services necessary for the older person.

**Requirements for Minor in Gerontology**

**LOWER DIVISION REQUIREMENTS:**

- *Intro to Sociology SO 101* 3
- *General Psychology P 101* 3
- *Concepts of Biology* 3
- *Concepts Human Anatomy & Physiology Z 107* 8
- *Human Anatomy & Physiology Z 111, 112* 8

**TOTAL** 10-14

**UPPER DIVISION REQUIREMENTS:**

- Sociology of Aging SO 334 3
- Psychology of Aging P 313 3
- Biology of Aging B 300 3
- **Health and Aging H 410** 3
- **Soc Util & Pers Serv for Elderly SW 433** 3
- Seminar and/or Practicum in Major Fld-Study 3

**TOTAL** 21

*Lower Division required courses meet core requirements.*  
**Prerequisites are SO 235, P 133, B 300 or PERMINS.*

**Legal Assistant Program**

The Legal Assistant Program is an optional minor program within the framework of a baccalaureate degree preparation, irrespective of the major program designation. The Legal Assistant Program, consisting of 12 credits of prescribed preparatory courses and 24 credits of law specialty courses, is designed to meet the requisite needs of the legal community. Applicants to the Legal Assistant Program will be carefully screened and evaluated for suitability and acceptability for paralegal employment. A personal interview is required and will be arranged at a mutually convenient time through the office of the Coordinator of the Program. A student who is accepted for the Legal Assistant Program as a minor field of study is expected to make a selection of courses in the substantive categories indicated below. Upon successful completion of the prescribed courses of the Program, the student will receive a Certificate in Paralegal Studies, which will be entered on the student's transcript.

**General University Requirements (as stipulated in the University catalog)**

**Specific Requirements in the Major Field of Study (as specified by the Academic Department offering the major program)**

- **General Electives (Selection is advisedly to be made from the courses in the substantive areas shown below which are considered appropriate preparatory for the Legal Assistant Program.)** Students shown with an asterisk (*) may be taken to satisfy University Core course requirements. The law specialty courses defined for the Legal Assistant Program are entered in a separate listing.

**Law-related courses (at least 9 credits to be selected from the following courses):**

- Constitutional Law PO 351 3
- International Law PO 421 3
- Comparative Legal Systems PO 451 3
- Administrative Law PO 467 3
- Law of Criminal Evidence CR 275 3
- Law of Arrest, Search & Seizure CR 276 3
- Judicial Administration & Court Management CR 381 3
- Criminal Justice Research & Evaluation CR 426 3
- Legal Environment of Business GB 202 3
- Commercial Law GB 302 3
- Transportation Law GB 371 3
- Government & Business GB 441 3
- Sociology of Law SO 370 3

- **Computer Literacy (at least 3 credits or evidence of computer literacy):**
  - Computer Applications IS 101 3
  - Intro to Computers CS 109 3

- **Communication Skills (recommended but not required):**
  - *Fund of Speech Communication CM 111* 3
  - *Reasoned Discourse CM 112* 3
  - *Intro to Logic CM 121* 3
Academic Enrichment and Special Programs  

Special Topics on Emergent Issues in Law Practice & Paralegal Responsibilities PL 497  

Law-Specialty Course Offerings

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PL 301 INTRODUCTION TO LAW PRACTICE &amp; ROLE OF THE LEGAL ASSISTANT (2-0-2(F/S))</td>
<td></td>
</tr>
<tr>
<td>PL 302 LEGAL ETHICS AND LAW OFFICE PROCEDURES (1-0-1(F/S))</td>
<td></td>
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<tr>
<td>PL 304 WESTLAW ADVANCED RESEARCH (1-0-1(F/S))</td>
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<tr>
<td>PL 401 ESTATES, WILLS, AND TRUSTS (3-0-3(F/S))</td>
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<tr>
<td>PL 413 CRIMINAL LAW PRACTICE (3-0-3(F/S))</td>
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<tr>
<td>PL 421 FAMILY LAW PRACTICE (3-0-3(F/S))</td>
<td></td>
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<tr>
<td>PL 431 NATURAL RESOURCE LAW (3-0-3(F/S))</td>
<td></td>
</tr>
<tr>
<td>PL 471 TORT LAW (3-0-3(F/S))</td>
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</tr>
</tbody>
</table>

Technical Writing E 202 ............................................. 3
Adv Technical Writing E 402 ........................................ 3
Management Techniques & Procedures (recommended but not required)  
* Math Business Decisions M 105 ................................... 4
* Math Business Decisions M 106 ................................... 4
Intro Financial Accounting AC 205 ................................ 3
Intro Managerial Accounting AC 206 ................................ 3
Intro Business GB 101 ............................................ 3
Business Ethics & Social Resp GB 360 ................................ 3
Elements of Management MM 105 .................................. 3
Management & Organ Theory MG 301 ................................ 3
Organ Theory & Bureau Struct PO or SO 487 .......................... 3

Governmental Institutions, Processes, & Historical Background (recommended but not required)  
*American National Government PO 101 ................................ 3
State & Local Government PO 102 .................................... 3
Intro Public Administration PO 303 ................................ 3
Legislative Behavior PO 312 ....................................... 3
American Policy Process PO 320 .................................... 3
*History Western Civ HY 101 ...................................... 3
*History Western Civ HY 102 ...................................... 3
*U.S. History HY 151 .................................................. 3
*U.S. History HY 152 .................................................. 3
U.S. Constitutional History HY 336 ................................ 3

Law-Specialty Courses (at least 24 credits of course work in special areas of law, procedure, or process, including 6 credits of required law-specialty courses and 18 credits of course work selected from the alternative law-specialty courses, must be completed within the Legal Assistant Program. Since these courses provide the practical skills which are utilized by the legal assistant, the tasks and responsibilities of the legal assistant will be emphasized.)

Admission to law-specialty courses shall be restricted to those students who may be placed in any one of the following categories: 1) those students who have been accepted for enrollment in the Legal Assistant Program and who have completed the general university requirements, including at least 9 credits of law-related courses and evidence of computer literacy; 2) those students who have attained a baccalaureate degree in any area, but including at least 9 credits of law-related courses and evidence of computer literacy, and have been accepted for enrollment in the Legal Assistant Program; 3) those persons who have completed 30 semester credits of college course work and have at least three years of experience in a law-related job; 4) those persons who have completed at least sixty semester credits of college coursework and have a letter of sponsorship from an employer with guaranteed employment as a legal assistant. Consideration will also be given to those persons who are currently employed as legal assistants in the legal community and do not fall in any of the aforementioned categories for enrollment in individual courses in paralegal studies, based on availability of space.

Required Law-Specialty Courses (6 credits)  
Intro Law Practice & Role of Legal Assistant PL 301 ............... 3
Legal Ethics & Law Office Procedures PL 302 ....................... 1
Legal Research & Writing PL 304 .................................... 3
Westlaw Advanced Research PL 305 .................................... 1

Alternative Law-Specialty Courses (18 credits; selections to be made from the courses listed below)  
Estates, Wills, & Trusts PL 401 ...................................... 3
Corporate Law PL 403 .................................................. 3
Real Estate & Property Law PL 405 ................................... 3
Bankruptcy PL 407 .................................................... 3
Civil Litigation & Procedures PL 411 ................................ 3
Criminal Law Practice PL 413 ....................................... 3
Family Law Practice PL 421 ......................................... 3
Natural Resource Law PL 431 ......................................... 3
Tort Law PL 471 ........................................................ 3
Workshops in Paralegal Studies PL 494 .............................. 1-3
Religious Interest Courses

Since religious thought permeates nearly all disciplines of study, the University does not have a single department of religion. However, numerous departments within the University are examining the impact of religion as part of their academic quest for knowledge and understanding of the human condition. Courses offered at Boise State University that emphasize the place and impact of religion in the study of civilization are listed below. The courses are open to all students on campus.

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

System of Thought

- **PY 231** Philosophy of Religion
- **PY 245** Metaphysics
- **PY 247** Epistemology
- **PY 249** Ancient Philosophy
- **PY 251** Medieval Philosophy

History

- **HY 105** Eastern Civilization
- **HY 324** Medieval Europe
- **HY 310** The Reformation
- **HY 331** The Islamic Middle East
- **HY 323** Early Christianity
- **HY 327** Living Religions
- **HY 380** Colloquium in American History: Religion in American Life
- **HY 480** History Seminar: History of Religion and Politics in American History

Literature

- **E 211** The Bible as Literature
- **E 215** Far Eastern Literature
- **E 217** Mythology

Socio-Psychological Aspects of Religion

- **SO 407** Sociology of Religion

Primary Sources

- **GR 101** Greek Language & Literature
- **GR 102** Greek Language & Literature
- **LA 211** Elementary Classical Latin Language & Literature
- **LA 212** Advanced Classical Latin Language & Literature
- **LA 323** Early Church Latin Literature
- **LA 324** Medieval Latin Literature
- **LA 498** Advanced Latin Tutorial

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 chairperson.

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 chairperson 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:

Registrars Office
Boise State University
Administration Building — Room 102
1910 University Drive
Boise, Idaho 83725
(208) 385-3487

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 study, completing advanced high school courses, auditing college courses, completing non-collegiate training sessions, on-the-job training and/or other experiences.

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

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

AP credits can be awarded for specific department credit or lower division elective credit. Students must notify Registrars Office early in the semester of their choice.

College Level Equivalency Program (CLEP)

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

**CLEP General Exams by the CEEB:** Minimum acceptable CLEP General Examination scores and BSU hour equivalencies are:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH COMPOSITION</td>
<td>(score of 498 or above) ... 3 hrs, LO elective</td>
</tr>
<tr>
<td>NATURAL SCIENCES</td>
<td>(score of 447 to 529) ... 4 hrs, Area III Core</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>(score of 530 or above) ... 8 hrs, Area III Core</td>
</tr>
<tr>
<td>HUMANITIES</td>
<td>(score of 452 to 513) ... 3 hrs, Area I Core</td>
</tr>
<tr>
<td>SOCIAL SCIENCES &amp; HISTORY</td>
<td>(score of 514 or above) ... 6 hrs, Area I Core</td>
</tr>
<tr>
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</tr>
</tbody>
</table>

**CLEP Subject Exams by the CEEB:** The CLEP Subject Exams are designed to test achievement in specific college subjects in a variety of areas. 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 Subject 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, and the student must be enrolled at the time the credits are recorded.
**CLEP Exam Title** | **BSU Equivalent Course(s) & Number of Credits**
--- | ---
Analysis and Int of Lit | E 102, English Composition (3)
Biography | B 100, Concepts of Biology (4)
General Chemistry | C 107, 108, Essentials of Chem (4)
College Algebra | M 108, Intermediate Algebra (4)
College Algebra & Trig | M 111, Algebra and Trig (5)
Calculus with Elem Functions | M 204, Calculus and Analytic Geometry (5)

**AP Exams**

**AP Exam Title** | **BSU Equivalent Course(s) & Number of Credits**
--- | ---
European History | HY 102, History of Western Civilization (3)
German Level 3 | G 101/102, Elementary German (8)
Govmt & Politics | PO 101, American National Government (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 recommendations formulated.

BSU will award general elective lower division credit for each USAFI exam passed at the 50th 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. These credits 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, and the student must be enrolled at the time the credits are recorded.

**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. BSU will not grant lower division credit for the number of hours credit recommended by the ACE 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. These credits 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, and the student must be enrolled at the time the credits are recorded.

**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 1984-85 Edition (or subsequent editions) published by the American Council on Education, or 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 USNY recommendations and will grant as elective credit the number of hours recommended unless the student requests specific departmental course credit. In that event, department chair will decide the amount of academic credit to be granted in their specific area. These credits 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, and the student must be enrolled at the time the credits are recorded.

A complete list of all current ACE non-collegiate approved educational program organizations is available in the Administration Building, Room 102. Information about these programs can be requested by calling (208) 385-3486. 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

Evaluation of Military Experience

Completion of Technical Schools: Currently enrolled Boise State University students who have successfully completed certain military programs and/or technical schools are eligible to petition to receive academic credit. Students must furnish a copy of their DD214, or similar official documents to the BSU Registrar’s Office (Evaluator’s Office) and request receipt of credit. The Evaluator (Registrar’s Office) will identify those military experiences that meet the ACE specifications (courses listed in the 1982 or earlier, or subsequent Guide to the Evaluation of Educational Experiences in the Armed Services published by the American Council on Education). BSU will follow the ACE recommendations and will grant as elective credit the number of hours recommended unless the student requests specific departmental course credit. In that event, the department chair 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 enlistment personnel are eligible to request 6 semester hours credit in Military Sciences and former commissioned officers are eligible to request 18 semester hours credit in Military Science. All requests for evaluation should be made to the Department Chair, Military Science Department, Boise State University.

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

Credits for Military Experience 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, and the student must be enrolled at the time the credits are recorded.

Credit for Competency (Other)

Course Challenge: It is possible for students to challenge a University course when they feel that because of their past background, education, and experience they can pass an examination covering the subject matter of the course. Requests for consideration are made through the chair of the department in which the course is offered. Each department shall have the option to allow or not to allow credit by challenge for each course in the department. The department may establish and implement its own advanced screening procedures to decide which students are eligible to take the challenge exam. In particular, the challenge procedure is not intended to be used for the purpose of improving a grade in the course, and should not be used in that manner. The department also has the option to charge a reasonable fee for the administration of the challenge exam.

In those courses where challenge is allowed, the department shall have the option of using a standardized examination or an examination prepared within the department. If a student challenges a course by any of the standardized examinations listed previously (CLEP subject, Advanced Placement, and PEP), the student does not need to enroll in the Boise State University course before challenging. If a student challenges a course by departmental examination, the student must complete and submit a Course Challenge Credit Evaluation of Military Experience form (available from department chair, or academic dean), and then must register for a specially designated challenge section of the course being challenged.

The grading system for challenge exams shall be as follows: First, for each course for which a challenge exam is allowed, the department shall specify whether or not a failing grade on the exam shall be recorded on the student’s transcript. Second, the department shall specify whether a passing grade will be recorded as a letter grade, PASS, or the student’s choice between the two. These conditions shall be made known to the student prior to the administration of the challenge exam. A student may not withdraw from a challenge section once the exam has been administered unless the department chair specifically authorizes such a withdrawal.

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

Prior Learning Portfolio Program

In addition to the above listed areas of non-traditional credit (AP, PEP, CLEP, course challenge, ACE guide assessment, and evaluation of military experience), credit for prior learning (sometimes referred to as "experiential learning") is available through the development of a formal, professional quality, written portfolio. Portfolios are completed within the assistance of the Prior Learning Advisor beginning with a 6-week, one credit Prior Learning Portfolio Workshop. The portfolio will outline, in depth, the learning gained outside the college classroom, and show the relationship to college level learning. Assessment of portfolios and credit recommendations is determined by the appropriate academic department. Each department shall have the option to allow or not allow credit for prior learning through the portfolio process. For additional information regarding the portfolio program, contact the Prior Learning Advisor at 385-4092.
Other Opportunities

Continuing Education

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

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

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

Mountain Home Air Force Base Program: The university now offers bachelor and associate degrees 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.

Gowen Field Program: The University offers a variety of academic programs at Gowen Field for military personnel and the general public. Courses and programs follow the regular university schedule. Students should contact the BSU Coordinator at Gowen Field or their advisor to make certain the courses offered at Gowen Field fit into their degree programs.

Canyon County Center: BSU now has an educational center in Canyon County at 2407 Caldwell Blvd., Nampa, Idaho 83651. The center is fully staffed and offers a wide range of academic courses. Students can contact the Canyon County Center, BSU Continuing Education, or their advisor for information on specific programs and courses offered each semester.

McCall Program: Academic courses are currently being offered in McCall at the McCall-Donnelly High School. These courses meet for 12 weeks and fulfill basic degree requirements. For more information on current semester schedules call the McCall BSU Office, or the BSU Division of Continuing Education Office.

Televised Courses: BSU offers a series of academic courses through television each semester. These courses are for regular academic, pass/fail credit. These credits fulfill general elective requirements ONLY. No more than 12 telecourse credits may be applied toward university graduation requirements. Students can register by mail and do not need to come to campus at any time during the semester.

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.

International Programs/Studies Abroad: Boise State University International Programs/Studies Abroad offers academic travel opportunities to many countries. Semester or year-long programs are offered to London and Bath, England; Avignon and Pau, France; Cologne, Germany; Sienna and Turin, Italy; and San Sebastian, Spain. Summer camps are located at Bayonne, France; San Sebastian, Spain; and Morelia, Mexico. Local homestays and balanced curriculum by frequent field excursions create a rich cultural and academic experience. Students receive Boise State credit for studies in these programs. Scholarships are available. For more information, contact the International/Studies Abroad Program located in the Division of Continuing Education, Boise State University, 1910 University Drive, Boise, ID 83725, Boise State Library Building, Room 247. Phone 385-3652 or 1-800-632-6586 ext. 3652.

Academic Enrichment and Special Programs

National Student Exchange Program: The National Student Exchange (NSE) Program is a consortium of over 80 state-supported colleges and universities that allows students to exchange for a maximum of one academic year to another institution in the United States, Puerto Rico, the Virgin Islands, and Guam. The Exchange encourages students to broaden their academic, social, and cultural awareness and provides them 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; and (3) have a minimum cumulative GPA of 2.50.

Additional information and application materials may be obtained from the National Student Exchange Coordinator in the Student Activities Office, Student Union Building or call 385-1280.

Western Undergraduate Exchange (WUE): Boise State University is a participant in the Western Undergraduate Exchange program (WUE) of the Western Intestate Commission for Higher Education (WICHE). WUE is a program through which students in 13 participating states may enroll in designated institutions and programs in other participating institutions at a special, reduced tuition/fee rate that is considerably less than standard non-resident tuition. States participating in this program include: Alaska, Colorado, Hawaii, Idaho, Minnesota, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah and Wyoming.

Interested undergraduate students planning to attend BSU may apply to the program by writing the initials “WUE” on the undergraduate application for admission form. When all admission requirements and verification of residency have been received and evaluated by the BSU Admissions Office, the applicant will be notified regarding acceptance to the WUE program.

Students from participating states who are interested in attending Boise State University as Western Undergraduate Exchange students may obtain information about the program by contacting the WUE Coordinator, BSU Admissions Office. Students may call 1-208-385-1757, toll-free in Idaho 1-800-632-6586 or toll-free nationwide 1-800-824-7017.

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

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

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

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

Special Interest Group Courses and Programs: Offerings of continued utility to various special interest groups, such as the engineers’ workshop preparing participants for the state licensing examinations, are offered as a regular, periodic feature of the university’s instructional program.
in planning educational programs or in upgrading personnel in new techniques, knowledge, and skills.

Faculty and Staff Consultation Services: The faculty and staff stand ready to assist business, industry, educational institutions, governmental agencies, professional groups, and others in their solutions to education and training problems or in their research and development efforts.

Use of Facilities: BSU will make available meeting rooms and classroom facilities to various community groups and agencies.

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

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

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

Tours of facilities, equipment demonstrations, and inservice lectures about data processing are available on request.

The Visiting Scientist Program: The College of Arts and Sciences has a number of faculty members who are willing to make presentations of about 40 minutes to high school science and mathematics classes on appropriate topics. This is available without cost to the school. In addition, we also offer video taped lectures. Contact Dr. R. J. Reimann, Coordinator, 385-3691 or 385-3775 for more information.

Speakers Bureau: The Boise State University Speakers Bureau is a service offered by the university to share its resources with the citizens of Idaho. The Speakers Bureau booklet lists faculty and staff members willing to speak to organizations on a variety of topics. The booklet is available at the Office of University Relations, 385-1377.

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

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

Telecommunications: With the assistance of modern technology, BSU is able to increase its academic and vocational off-campus offerings via the Instructional Television For Students (ITFS) system. Off-campus classes held in the Simplot/Micron Technology Center are broadcast to selected receiver sites. These broadcasts are live and interactive. These classes include regular catalog listings, special topics, and noncredit offerings. ITFS receiver sites have been established throughout the Treasure Valley, throughout the state of Idaho, and in various locations in the west. Contact BSU Continuing Education for further information.

Continuing Education Units (CEU): A CEU is a nationally standardized unit of participation in non-credit programs, courses, or workshops. The content of programs approved for CEUs may be for professional development, self-enrichment, or general education. CEUs are widely accepted as evidence of completion of units of professional or personal training. Transcripts indicating the nature of the CEU work undertaken and the number of CEUs granted are available upon re-
The following are some of the common internship and cooperative education experiences available:

1. College of Arts and Sciences
   - Anthropology: perform research or lab work for or assist Forest Service, Bureau of Land Management, Idaho Refugee Service Program, Idaho Commission on the Arts, or private industry; work with archival materials or conduct oral histories of Idaho Historical Society Museum or the State Archaeological Lab.
   - Communications: assist in public relations, training and research for corporations, nonprofit organizations, governmental offices and businesses; assist in the production, management and broadcasting for media enterprises; assist in research, writing, and editing for print media.
   - Criminal Justice Administration: assist or do research for Fish and Game, Department of Law Enforcement, Boise Police Department, Ada County Sheriff's Office, the court system, corrections, probation, and juvenile detention.
   - Development: perform research for public and private agencies; work with archival materials, develop historical tours; conduct oral histories; assist with Idaho History Day; help manage cultural resources with the U.S. Bureau of Land Management.
   - Master of Public Affairs: work in the public sector for agencies at all levels of government (local, state, and national); analyze and formulate policy and evaluate programs; prepare research reports for agencies.
   - Military Science: assist in research and preparation for scheduled classes, labs and field training exercises; enhance Leadership Management potential through practical application of professional skills and techniques.
   - Political Science: work with the Idaho Legislature, Governor's Office, Attorney General's Office, political parties, campaigns and public agencies.
   - Social Work: perform poverty oriented or social services research, do agency work for Health and Welfare, Group Homes, Planned Parenthood, YMCA, Parents United, Mental Health, Counseling Center, Office on Aging, Community Action Agency.
   - Sociology: raise funds; do employment and agency work; assist in group work with children, youth or adults; assist in criminal justice and corrections, mental and physical health or rehabilitation work; research social problems or issues.

2. College of Social Sciences and Public Affairs
   - Sociology: raise funds; do employment and agency work; assist in group work with children, youth or adults; assist in criminal justice and corrections, mental and physical health or rehabilitation work; research social problems or issues.
   - Political Science: work with the Idaho Legislature, Governor’s Office, Attorney General’s Office, political parties, campaigns and public agencies.
   - Social Work: perform poverty oriented or social services research, do agency work for Health and Welfare, Group Homes, Planned Parenthood, YMCA, Parents United, Mental Health, Counseling Center, Office on Aging, Community Action Agency.
   - Sociology: raise funds; do employment and agency work; assist in group work with children, youth or adults; assist in criminal justice and corrections, mental and physical health or rehabilitation work; research social problems or issues.

3. College of Business
   - Computer Information Systems and Production Management: assist in different phases of processing information and managing production; work in government, manufacturing, retail, financial and service agencies.
d. Management: assist in the operation and management of local businesses, governmental and service agencies.
e. Marketing/Mid-Management/Finance: perform marketing research; manage sales, write marketing plans; write and help execute promotional strategies; do public relations. Finance: assist in banks, brokerages, governmental and other financial agencies.

4. College of Education
   a. Health, Physical Education and Recreation: train athletes, coach; assist in classes and labs; test human performance.
   b. Psychology: assist YMCA, Northwest Passage and BSU Counseling Center.
   c. Teacher Education: assist in elementary/secondary education and bilingual education, special education, reading, and early childhood education in both private and public school settings; tutor in Reading and Study Skills class.

5. College of Health Sciences
   a. Community and Environmental Health: assist Department of Health and Welfare, Division of Environmental Quality—help research regulations and plan hazardous waste management, as well as air and water quality.
   b. Medical Records Science: perform supervised clinical practice in the Medical Records Department of health care facilities located within the region or out-of-state.
   c. Nursing: work in local health care facilities under supervision of the department of nursing.
   d. Pre-Professional Studies: assist individual health care practitioners in pre-medicine, pre-dentistry, pre-veterinary medicine, prephysical and pre-occupational therapy; other internships are available.
   e. Radiologic Sciences: work in local medical centers within the following specialty areas: magnetic resonance imaging, computerized tomography, diagnostic medical sonography, special vascular imaging, radiation therapy.
   f. Respiratory Therapy: perform supervised clinical practice in the critical care units, rehabilitation center or other designated areas of medical centers within the region or out-of-state.

6. College of Technology
   a. School of Applied Technology
      1) Construction Management: estimate, document construction changes, prepare “as-built” drawings or concrete examples.
      2) Pre-engineering: survey, test water quality, draft.
   b. School of Vocational Technical Education
      1) Practical Nursing/Surgical Technology/Respiratory Therapy Technician/Dental Assisting: Perform faculty supervised clinical practice in various health care facilities.
      2) Culinary Arts: work in restaurants and various types of food establishments throughout the state.
      3) Horticulture Service Technology: work in commercial greenhouses, landscape companies, parks and other horticulture related industries.
      4) Child Services/Management: assist in the teaching, supervision and activities of childcare centers, kindergartens and other childcare facilities.
      7) Business and Office Education: work in business and offices in areas of secretary, word processing and bookkeeping.

FOR MORE INFORMATION, CONSULT THE ACADEMIC DEPARTMENT THAT OFFERS THE PROGRAM.
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 210, 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 New Student Information Center, located in the Student Union Building, coordinates campus activities for prospective students through campus visitations, correspondence, campus tours and on-campus orientation programs. Other special programs include the "Discover BSU" program and "BSU Preview" programs.

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.

Academic Advising Center: Currently enrolled undergraduate students who have not chosen a specific academic department of interest should come to the Academic Advising Center for assistance with course selection, information about academic requirements, development of decision-making skills and academic exploration.

The Academic Advising Center is located in the Math/Geology building, Room 102 and is open Monday-Friday, 8:00 a.m. to 5:00 p.m. Evening appointments on selected days are available upon request. Call 385-3664.

Tutorial Assistance: The Student Special Services Office (Room 114, Administration Building, 385-3794) provides academic assistance that complements classroom instruction. Currently enrolled full or part-time students are eligible to receive tutorial assistance through campus drop-in centers or small group tutoring. Drop-in centers provide limited individual assistance. Private tutors can be hired for more intensive help. Tutors are second year or advanced students recommended by their academic department. They have earned an overall 3.0 GPA and at least a "B" in the courses they tutor. Professional staff from the Student Special Services Office provide supervision and training of tutors.

Strategies For Academic Success (TE-100): The university offers an orientation course that helps new freshmen students develop the necessary skills and attitudes to achieve their educational goals. Students will acquire knowledge of the values, policies and procedures of the University; information about the University's resources and services; stress and anxiety management; effective life and study skills; effective use of the Library and career exploration.

Reading and Study Skills (TE-108): 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. 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 how to survive in the college classroom and in many cases is the difference between success and struggle in the university environment.

Writing Center: All students, as well as faculty and staff, are encouraged to make use of the BSU Writing Center (Liberal Arts Building, Room 220; phone 385-1298) whenever they would like help with a writing task. The center specializes in assisting writers with work-in-progress
at any stage of development, whether planning, drafting, revising, or editing. Even very strong writers often use the center for feedback on their drafts before preparing finished copies to hand in.

The service is free and available to students writing papers for any course in the University. The Writing Center is very busy from about the fourth week of each semester to the end; it is best to make an appointment at least two or three days ahead of time. A limited amount of drop-in help is available on a first-come-first-served basis.

**Counseling and Testing Center:** The Counseling and Testing Center offers a wide range of services at no charge to students currently enrolled for a minimum of 6 credit hours. Professional staff psychologists, counselors, supervised counseling interns and paraprofessionals offer a variety of services ranging from individual counseling and crisis intervention to promoting programs (workshops, seminars and classes) 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, NTE, LSAT, GRE, GMAT, MAT, and others.

Appointments can be made by calling 385-1601 between 8 a.m. and 5 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 to 60 minutes. Referrals from faculty, residence advisors and others are welcomed by the staff.

**Student Support Program:** The Student Support Program (located in the Education Annex next to the Liberal Arts West Building) provides comprehensive individualized counseling and tutoring services to University students. The counseling component assists students with their academic, career, financial and personal needs. Qualified tutors provide one-to-one tutoring in various academic areas. Study skills development is provided to assist students in achieving effective study habits. The goal of the program is to help students identify and implement ways to increase their success in the University. Students must be: (1) A U.S. Citizen or registered permanent resident; (2) Accepted for enrollment or currently enrolled at BSU; (3) Either financially limited, first generation college student, physically handicapped, or learning disabled; and (4) Must demonstrate an academic need for the program's services. The program primarily serves full-time students with freshman or sophomore standing and with a GPA between 1.5 to 2.5. Call 385-3583.

**Disabled Student Program:** A special emphasis is placed on the expansion of university services and facilities to encourage physically disabled students to pursue their educational objectives in the most equitable and independent manner possible.

The Student Special Services Office (Room 114, Administration Building) provides information and orientation to the university, registration assistance, interpreter and notetaker services, tutorial assistance, liaison with the Boise area office of the Idaho Division of Vocational Rehabilitation and authorizes handicapped parking for eligible students and staff. Limited equipment is available for temporary use by disabled students such as a TTY, tape recorders and modified computer terminals. The Library has a Visualtek Reader, Braille typewriter, Braille dictionary and a Talking Books player.

The campus itself is flat, and each campus building can be entered via ground level approaches or ramps. The upper floors of most academic and vocational technical buildings are accessible by elevator.

For further information, telephone the Coordinator of Special Services at (208) 385-1583 (TTY 385-1454).

**Multicultural Board:** The Multicultural Board offers various academic, cultural, social, and recreational activities and events to all students. The Board promotes interaction, awareness, and cooperation between students, faculty, and people from the local community of all ethnic and cultural backgrounds. The Multicultural Board can be contacted through the Student Special Services Office (385-1583). The board’s organizational membership varies each year but generally consists of the Black Student Union, Organizacion de Estudiantes Lation-Americanos, Barrier Busters, and Dama Soghop.

**Child Care Service:** The University Child Care Center, located in the northeast corner of the Pavilion provides child care for two and one-half (2½) until kindergarten age children of full-time or part-time students and children of faculty or staff. Half-day or drop-in service is provided on a space available basis. The center provides an educational development program for the total child with a staff of Professional Early Childhood Educators and serves as a laboratory experience for Child Care Studies majors, Health Sciences and Social Work programs. The service is a self-supporting project financed through parent-paid fees, donations, some USDA Child Care Food Program Assistance, and institutional support.

**Veterans Services:** The Office of Veterans Affairs (Room 114, Administration Building, 385-1679) provides counseling assistance to all of Idaho's Armed Forces veterans, reservists, national guard members, and their dependents. Peer counselors assist student-veterans with admission requirements, application for Veterans Administration Educational benefits, Reserve Educational programs, individual educational goals, family and personal difficulties. Veteran tutorial and work-study programs are also coordinated through the OVA.

**Student Health Service:** The Student Health Service is located at 2103 University Drive, directly across from Campus Elementary School. Clinic hours range from 8:30 a.m. to 4:30 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-fee paying students are automatically included in the health insurance program. Benefits become effective on the first day of fall semester and continue until the first day of the spring semester. Spring semester benefits continue through August of that year, and coverage is effective during all vacations, prorated. Each full-fee paying student is covered 24 hours a day during the policy periods. Each full-fee paying student is covered 24 hours a day during the policy periods at home, school, or traveling. There is a $50 deductible per cause for accident and/or sickness.

Students not wanting to participate in the plan may obtain a refund through application to the insurance company for Boise State University, during the first 10 days of each semester.

**International Students:** The Assistant Dean of Admissions (Administration Building, Room 107) is the international student advisor and is responsible for immigration requirements concerning the visa status of students as well as initial academic advising, orientation, and registration of all foreign students on the campus. New international students must report to the Assistant Dean of Admissions as soon after arrival as possible. This office provides assistance and a central contact and information source to registered foreign students.

**Career Planning and Placement:** The Career Planning and Placement Office (Career Center, 2065 University Drive) offers career information, advising, planning, and placement opportunities to students and alumni. Services provided include:

1. Assistance in identifying and making a career choice. Two automated career guidance systems, the Idaho Career Information System and SIGI PLUS are available to students in addition to personal career guidance;
2. A resource library of information, recruiting literature, and other career references;
3. A placement 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. 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;

5. The office also assists students and alumni in the development of job hunting skills such as interviewing and resume writing.

**Student Government:** The Associated Students of Boise State University (ASBSU) strives to represent the interests of all full-fee paying BSU students and encourages 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 funding to student groups.

The Judiciary approves recognition of student organizations, determines the constitutionality of questions brought before it and serves as the hearing board for violations of the Student Code of Conduct.

Advisory and governing boards including those for the Student Union and Pavilion serve as vehicles for student input on vital policy and administrative decisions that affect the ASBSU and the university.

**Student Organizations and Activities:** Over 100 ASBSU-recognized student organizations on campus represent a variety of interests and concerns. These include special interest groups that vary from chess and ethnic interests to judo and women's studies, professional honorary associations representing many major field from social work to business, service and campus honoraries, religious organizations, fraternities and sororities, as well as student fee supported services such as The University News, the student newspaper, and BSU Radio Network, a non-profit radio station. The Student Programs Board presents a variety of films, fine arts performances, lectures and concerts. The National Student Exchange program provides opportunity for resident education at over 100 participating colleges and universities in the U.S.

**Sororities and Fraternities:** Three national sororities — Alpha Chi Omega, Gamma Phi Beta, and Lambda Delta Sigma — and two national fraternities — Kappa Sigma and Sigma Gamma Chi — are actively involved at Boise State University. Membership is open to all full-fee students.

Fundamentally, each group is guided by the principles of friendship, scholarship, leadership, mutual respect, helpfulness, and service to the university community. Members take charge of their own financial management, governing, and organization of special events or programs. 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.

**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 regional and nationally known artists, and offers workshops in conjunction 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 performances on campus are held in either the Morrison Center or the Special Events Center.

**Recreation:** The university has three main indoor recreational facilities — the Pavilion Auxiliary Gym, the Main Gym, and the PE Annex. Housed in these buildings are two gymnasiums, a swimming pool, two weight rooms, five racquetball courts, an indoor jogging track, mat room and equipment room. Outdoor recreation facilities include playing fields and tennis courts. All recreation facilities on campus are available for use by students during designated hours. Check with the Physical Education or Intramurals office for times.

The Intramural Program offers league and tournament play in a variety of lifetime sports and recreational activities, such as softball, tennis, touch football, basketball, volleyball, racquet ball, aerobic dance, soccer and water aerobics.

The Intramural/Recreation Office also checks out many types of sports equipment to students free of charge. For more information about Intramural/Recreation programs, 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 1AA, Big Sky Conference for men and women, Gymnastics—Western Athletic Conference, and Wrestling—PAC-10 Athletic Conference.

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 founded in 1967. Its membership includes over 42,000 alumni worldwide. The association is governed by a board of directors who are annually elected by nominations from the membership. Former students earning a minimum of 16 credit hours are eligible for membership in the Alumni Association. The annual dues are $25 per household and benefits include: Use of the BSU Library, use of the university's recreational facilities with payment of a user's fee to the Physical Education Department, subscription to FOCUS, use of the Student Union Recreation Center, Little Broncos Club, Career Network, discounted life insurance, discounted car rental and travel programs, discounted tickets to area movie theaters and to events sponsored by the music and theatre arts departments and Morrison Center, and eligibility for credit union membership.

The Alumni Association seeks to promote interest in Boise State University, maintain contact with graduates and former students, and provide benefits to its alumni. Alumni dues are used to support BSU through a number of programs including: The Top Ten Scholars Banquet, Student Ambassadors program, Homecoming, legislative relations, Outreach programs, academic scholarships, commencement party for graduating seniors, alumni golf tournaments, World's Largest Tailgate Party, pre-game receptions, and many other activities. For further information on the Alumni Association, please contact (208) 385-1959.
College of Arts and Sciences

Dean: Daryl E. Jones, Ph. D.
Associate Dean: Phillip M. Eastman, Ph. D.

College of Arts & Sciences Emeriti:
Allison, Best, Bratt, Chatterton, deNeufville, Emerson,
Fritchman, Hahn, Hibbs, Jones, Kelley, Marshall, Meyer,
Mitchell, Obee, Peek, Power, Smartt, Wallace, Warner, Winans

Philosophy
The University's largest and most comprehensive academic unit, the College of Arts and Sciences enjoys a broad mission in teaching, research and creative activity and service.

In teaching, the College of Arts and Sciences offers a core curriculum which prepares undergraduate students for future lives and careers by developing their communication, numerical, and analytical skills, enhancing their creative abilities, fostering in them a greater awareness of human values and needs, and encouraging in them a lifelong appreciation of learning for its own sake.

Additionally, the College offers strong undergraduate and graduate programs for students specializing in the Arts, Humanities and Sciences, and offers a full array of elective and service courses for students majoring in other schools and colleges.

In research, the College generates and disseminates knowledge through basic and applied research, scholarship, and creative activity, enhancing the scientific, technological, humanistic, and cultural environment of the state, the region, and the larger society.

In service, the College meets the educational, economic, and cultural needs of the state through research, publications, credit and non-credit workshops and special programs, and by a rich diversity of cultural and entertainment events.

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

   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), and the Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition).

2. To offer programs of study leading to the Masters degree in:
   a. Raptor Biology (Master of Science);
   b. English (Master of Arts);
   c. Geology (Master of Science), in cooperation with Idaho State University;
   d. Geophysics (Master of Science), in cooperation with the University of Idaho and Idaho State University;
   e. Performance/Pedagogy (Master of Music);
   f. Secondary Education (Master of Arts or Science), with majors in various departments. See Graduate College, College of Education listed elsewhere in this catalog.

3. To offer undergraduate preparation in pre-Forestry and Wildlife Management, and pre-Architecture.

4. To offer elective and service courses for students majoring in other colleges or 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. Boise State University is the host institution for the Raptor Research and Technical Assistance Center.

The Theatre Arts Department is affiliated with the Idaho Shakespeare Festival. 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 scientific field trips.

Minors

**ART MINOR**
Survey Western Art AR 101, 102 .............................................. 6
Basic Design AR 105 ................................................................. 3
Drawing AR 111 ........................................................................ 2
Painting AR 113 .......................................................................... 2
Sculpture, Metals, or Ceramics .................................................... 2
Additional credits may be selected from any 100 to 400 level regular Art course offerings, 3 credits of which must be upper division .......................................................... 7
TOTAL 22

**BIOLGICAL MINOR**
General Botany BT 130 ................................................................ 4
One of the following: ................................................................. 4
Concepts Anatomy & Physiology Z 107
Human Anatomy & Physiology Z 111, 112
General Zoology Z 130
Biology electives at the 200 level or higher with at least one upper division course .......................................................... 10-14

**CHEMISTRY MINOR**
College Chemistry C 131*, 132, 133, 134 ..................................... 9
Organic Chemistry C 317, 318, 319 ............................................ 8
One of the following pairs of courses: ........................................ 4-5
Quantitative Analysis C 211, 212
Physical Chemistry C 321*, 323
Intro to Biochemistry C 431, 432
*Math and/or Physics prerequisite
TOTAL 21

**ENGLISH MINOR**
One writing course numbered 200 or higher ............................... 3
Linguistics .................................................................................. 3
Survey of British Literature E 240, 260 ..................................... 3
Survey of American Literature E 241, 272 ............................... 3
English & Linguistics electives (6 upper division) ..................... 9
TOTAL 21

**MATHEMATICS MINOR**
Calculus & Analytical Geometry M 204, 205, 206 ....................... 13
or
Accelerated Calculus M 211, 212 ................................................ 10
At least 9 credits in upper division mathematics (M prefix except for M 493 and 496) to include at least one of the following: .......................................................... 9
Intro Abstract Algebra M 302
Number Theory M 306
Foundations of Geometry M 311
Foundations of Analysis M 314
Advanced Algebra M 401
Abstract Algebra M 441
TOTAL 19-22

**MUSIC MINOR**
Concert Class MA 010 (two semesters) ........................................ 0
Materials of Music I-II MU 119, 120 .......................................... 6
Ear Training I-II MU 121, 122 ..................................................... 2
Intro to Music MU 133 (Area I) .................................................... 3
Ensemble ME 1 .......................................................... 2
Choice of 2 semesters of Piano Class (MA 150), Voice Class (MA 180), or Begin Guitar and/or Interim Guitar Class (MA 127, 128), or Private Lessons (MC courses*) in any Instrument or Voice .......... 2-4
Music Elective—Upper Division ................................................ 5
TOTAL 20-22

*MC courses are extra fee courses.

**PHILOSOPHY MINOR**
Intro to Philosophy PY 101 ...................................................... 3
Intro to Logic PY 121 .................................................................. 3
Ethics PY 211 .............................................................................. 3
Electives from Philosophy courses except PY 489 ....................... 9
TOTAL 18

**PHYSICS MINOR**
Mechanics, Waves & Heat PH 211* ............................................. 4
Mechanics, Waves & Heat Lab PH 212 ....................................... 1
Electricity, Magnetism & Optics PH 213 ................................. 4
Electricity, Magnetism & Optics Lab PH 214 ......................... 1
Modern Physics PH 311*, 312 ................................................... 6
One of the following: ................................................................. 3-4
Analog Electronics Lab PH 301
Laboratory Microprocessor Applications PH 307
Optics PH 331*
Mechanics PH 341*
Electricity & Magnetism PH 381*
Advanced Topics PH 422*
*Math and/or Engineering prerequisite
TOTAL 19-20

**THEATRE ARTS MINOR**
Technical Theatre TA 117 ......................................................... 4
Acting I TA 215 .......................................................................... 3
Technical Theatre TA 118 .......................................................... 4
or
Acting II TA 216 ........................................................... 3
Major Production Participation TA 231, 331 ......................... 3-4
World Drama TA 341 or 342 ...................................................... 3
Directing TA 401 ........................................................................ 3
TOTAL 20

Department of Art
Liberal Arts Building, Room 252 Telephone (208) 385-1230
Chairperson and Professor: Mary Witte; Professors: Blankenship, Heap, Huff, Killmaster, Kober, Roberts, Russell, Skov, Takehara, Taye; Associate Professors: Benson, Douglass, Hoopes, Miller, Oravez, Shurtleff, Smith, Taylor; Assistant Professor: Bauer-Simon; Visiting Professors: Eastman, Galindo, 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 Art—Bachelor of Arts Program
General University & Basic Core Requirement Credits .................. 51
Art Major Requirements
Painting and/or Watercolor AR 113, 114, 217, 218 ..................... 6
Drawing AR 111, 112 .................................................................. 6
Art History .................................................................................. 6
Design AR 105, 106 .................................................................. 9
Ceramics AR 225 ......................................................................... 2
Sculpture AR 231 ......................................................................... 2
College of Arts and Sciences

<table>
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<th>Art Major Requirements</th>
<th>Credit</th>
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<td>Painting</td>
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<tr>
<td>Intro to Printmaking AR 209</td>
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<tr>
<td>Sculpture</td>
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<td>Ceramics</td>
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<td>Art Metals</td>
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<tr>
<td>Senior Show AR 410</td>
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<tr>
<td>Senior Seminar AR 498</td>
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<tr>
<td>Art Electives</td>
<td>16</td>
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<td>TOTAL</td>
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</table>

**Major Emphasis**

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

*Senior show is not required of Art History majors.

**Elective Credits**

**TOTAL 128**

**NOTE:** 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.

---

Art Education—Bachelor of Arts Program

<table>
<thead>
<tr>
<th>General University &amp; Basic Core Requirement Credits</th>
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<td>Art Major Requirements</td>
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<tr>
<td>Ceramics</td>
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<td>Sculpture</td>
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<tr>
<td>Printmaking</td>
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</tr>
<tr>
<td>Crafts AR 123</td>
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<td>Lettering AR 107</td>
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<tr>
<td>Senior Show AR 410</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar AR 498</td>
<td>3</td>
</tr>
</tbody>
</table>

**Art Major Requirements**

| Painting                          | 8 |
| Watercolor                        | 4 |
| Basic Design AR 105, 106          | 6 |
| Intro to Printmaking AR 209       | 2 |
| Sculpture                         | 2 |
| Ceramics                          | 2 |
| Crafts AR 123                     | 2 |
| Lettering AR 107                  | 1 |
| Senior Show AR 410                | 1 |
| Senior Seminar AR 498             | 3 |
| TOTAL 128                         |   |

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

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Art-Advertising Design—Bachelor of Fine Arts Program

<table>
<thead>
<tr>
<th>General University &amp; Core Requirement Credits</th>
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</thead>
<tbody>
<tr>
<td>Art Major Requirements</td>
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<td>Basic Design AR 105, 106</td>
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</tr>
<tr>
<td>Intro to Printmaking AR 209</td>
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<tr>
<td>Sculpture</td>
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<tr>
<td>Ceramics</td>
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<tr>
<td>Crafts AR 123</td>
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<tr>
<td>Lettering AR 107</td>
<td>2</td>
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<td>Senior Show AR 410</td>
<td>1</td>
</tr>
<tr>
<td>Senior Seminar AR 498</td>
<td>3</td>
</tr>
</tbody>
</table>

**Art Major Requirements**

| Painting                          | 8 |
| Watercolor                        | 4 |
| Basic Design AR 105, 106          | 6 |
| Intro to Printmaking AR 209       | 2 |
| Sculpture                         | 2 |
| Ceramics                          | 2 |
| Crafts AR 123                     | 2 |
| Lettering AR 107                  | 2 |
| Senior Show AR 410                | 1 |
| Senior Seminar AR 498             | 3 |
| TOTAL 128                         |   |

**NOTE:** 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.

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Art-Advertising Design—Bachelor of Fine Arts Degree

<table>
<thead>
<tr>
<th>General University &amp; Core Requirement Credits</th>
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<tbody>
<tr>
<td>Art Major Requirements</td>
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<tr>
<td>Painting</td>
<td>8</td>
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<tr>
<td>Watercolor</td>
<td>4</td>
</tr>
<tr>
<td>Basic Design AR 105, 106</td>
<td>6</td>
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</table>

**Art Major Requirements**

| Painting                          | 8 |
| Watercolor                        | 4 |
| Basic Design AR 105, 106          | 6 |
| Intro to Printmaking AR 209       | 2 |
| Sculpture                         | 2 |
| Ceramics                          | 2 |
| Crafts AR 123                     | 2 |
| Lettering AR 107                  | 2 |
| Senior Show AR 410                | 1 |
| Senior Seminar AR 498             | 3 |

**TOTAL 128**

**NOTE:** A minimum of 40 credit hours of a total 128 must be Upper Division.
Sculpture, Ceramics, Art Metals ........................................... 4
Lettering-Layout AR 107, 108 ........................................... 4
Art History ........................................................................ 12
Intro Creative Photography AR 251 ................................... 2
Intro Printmaking AR 209 .................................................. 2
Advertising Illustration AR 361 ........................................... 6
Senior Show AR 410 .......................................................... 1
Senior Seminar AR 498 ...................................................... 3

TOTAL: ............................................................................ 70

Professional Electives ......................................................... 26

TOTAL: ............................................................................ 128

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

ART MINOR
Survey of Western Art AR 101, 102 ........................................ 6
Basic Design AR 105 .......................................................... 3
Drawing AR 111 .................................................................. 3
Painting AR 113 .................................................................. 2
Sculpture, Metals or Ceramics ............................................. 2
Upper Division Art Elective .................................................. 3
Art Electives ...................................................................... 4

TOTAL: ............................................................................ 22

Recommended Programs

ART MAJOR
BA General-Painting, Drawing or Art History

FRESHMAN YEAR

Survey Western Art AR 101, 102 ........................................... 3 3
Drawing AR 111, 112 ......................................................... 2 2
Painting AR 113, 114 .......................................................... 2 2
Basic Design AR 105, 106 .................................................. 3 3
English Composition E 101, 102 ........................................... 3 3
Area II—Area III ............................................................... 3 4

TOTAL: ............................................................................ 16 17

SOPHOMORE YEAR
Anatomy AR 211 .................................................................. 2
Ceramics AR 225 .................................................................. 3
**Painting AR 215 ............................................................... 2 2
Sculpture AR 231 .................................................................. 2
Art Metals AR 221 ............................................................... 2
Area I ................................................................................. 3 3
Area III—Area II .................................................................. 4 3
Electives ............................................................................ 4 3

TOTAL: ............................................................................ 15 16

JUNIOR YEAR
Art History AR 301 .............................................................. 3
**Studio in Printmaking AR 309 ............................................. 3 3
Area I—Area II ................................................................. 3 3
Upper Division Electives ...................................................... 4 8
Area III—Area I ................................................................. 4 3

TOTAL: ............................................................................ 17 17

SENIOR YEAR
Senior Seminar AR 498 ...................................................... 3
Senior Show AR 410 ........................................................... 1
**Studio in Printmaking AR 409 ............................................. 3 3
Upper Division Electives ...................................................... 8 9
Area II ................................................................. 3 3

TOTAL: ............................................................................ 15 15

**14 credits constitutes a major. If your major is painting, sculpture, ceramics, art metals, photography, or watercolor, substitute those classes for the asterisked classes.

TOTAL: 128 Credits, including 40 Upper Division Credits.

ART MAJOR
BA Printmaking Major or Painting, Art History

FRESHMAN YEAR

Survey Western Art AR 101, 102 ........................................... 3 3
Drawing AR 111, 112 ......................................................... 2 2
Painting AR 113, 114 .......................................................... 2 2

TOTAL: ............................................................................ 8 15

SOPHOMORE YEAR
Anatomy—Life Drawing AR 211, 212 ................................... 2 2
Painting AR 215 .................................................................. 2 2
Watercolor AR 217, 218 .................................................... 2 2
Intro to Printmaking AR 209 ................................................ 2
Sculpture AR 231 .................................................................. 2
Art Metals AR 221 ............................................................... 2
Ceramics AR 225 ............................................................... 2
Area I Literature—Area II ................................................... 3 3
Area III—Area I ................................................................. 4 3

TOTAL: ............................................................................ 17 17

JUNIOR YEAR
**Advanced Drawing AR 311 ................................................. 3 3
Art History AR 301, 302 ....................................................... 3 3
Area I Literature—Area II ................................................... 3 3
Electives ............................................................................ 8 6

TOTAL: ............................................................................ 17 15

SENIOR YEAR
Senior Seminar AR 498 ...................................................... 3
Senior Show AR 410 ........................................................... 1
**Studio Drawing AR 411 ...................................................... 3 3
Upper Division Electives ...................................................... 8 12

TOTAL: 128 credits, including 40 Upper Division Credits.

**20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.
## College of Arts and Sciences

**ART MAJOR**

BFA Sculpture Major

or Printmaking, Art Metals, Photography, Ceramics, Watercolor

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
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<td><strong>TOTAL</strong></td>
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<td><strong>TOTAL</strong></td>
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</table>

**20 credits constitutes a major. If your major is printmaking, art metals, photography, ceramics, or watercolor, substitute those classes for the asterisked classes.**

**TOTAL: 128 credits, including 40 Upper Division Credits.**

### ART EDUCATION MAJOR

**BACHELOR OF ARTS**

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<tr>
<th>Year</th>
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**TOTAL: 128 credits, including 40 Upper Division Credits.**

### ADVERTISING DESIGN

**BACHELOR OF ARTS**

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<th>Year</th>
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the student should follow the Civil Option under the Engineering curriculum.

FRESHMAN YEAR
- English Composition E 101, 102 .................. 3 3
- Alg/Trig - Cal/Anal Geom M 111-204 ............ 5 5
- Basic Design AR 105, 106 .......................... 3 3
- Drawing AR 111, 112 ................................. 2 2
- Intro Art/Surv West Art AR 103/AR 101, AR 102 ... 3
- Architecture Graphic Communication AR 156 ....... - 3

SOPHOMORE YEAR
- General Physics PH 101, 102 ........................ 4 4
- Advanced Architecture Graphics AR 255 ......... - 3
- Basic Architecture Design AR 256 ................. - 3
- History of American Architecture AR 270 .......... 3
- History Modern American Architecture AR 271 ..... 3
- Materials & Methods of Architecture AR 290 ...... 3
- Interior Design AR 131 (Optional) ................. - 2
- Computer Graphics for Artists AR 333 ............. - 2
- Digital Computer Programming EN 104 ............. 3
- Engineering Measurement EN 216 .................. - 2
- Art Elective ............................................. -

Course Offerings
See page 20 for definition of course numbering system

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

Lower Division

AR 101 SURVEY OF WESTERN ART I (3-3)(AREA I). A historical survey of painting, sculpture, and architecture from Prehistoric Art through the Middle Ages.

AR 102 SURVEY OF WESTERN ART II (3-3)(AREA I). A historical survey of painting, sculpture, and architecture from the Renaissance to the present.

AR 103 INTRODUCTION TO ART (3-3)(AREA I). A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms.

AR 105 BASIC DESIGN (2-2-3)(AREA I). A two dimensional theoretical and applied study of the basic design elements underlying all art areas.

AR 106 BASIC DESIGN (2-2-3)(AREA I). An exploration of three dimensional design elements. Emphasis on the theoretical and applied study of the structural organization underlying three dimensional art forms. PREREQ: AR 105 or PERM/INST.

AR 107 LETTERING (0-4-2)(F/S). A study of lettering techniques and various alphabetical forms; emphasis upon modern styles, spacing and layout.

AR 108 LETTERING AND LAYOUT (0-4-2)(F/S). A study of layout typography and lettering techniques used in advertising design, for advertising design majors. Advisable to take AR 107 prior to AR 108.

AR 111 DRAWING (0-4-2)(F/S). A study of line, chiaroscuro, space, volume, and perspective, utilizing a variety of media; still life, landscape, plant, animals and other subject matter may be used. Limited enrollment spring semester.

AR 112 DRAWING (0-4-2)(F/S). Continuation of AR 111 with an emphasis on more advanced drawing problems. Compositional imaginative, or semi-abstract work may be done, utilizing a variety of subject matter including some figure drawing. PREREQ: AR 111.

AR 113 PAINTING (0-4-2). Study of basic techniques of painting in oil, acrylic or other media as determined by instructor. Students will learn to represent form and space through study of value relationships and through use of monochromatic color. Still life and other subject matter will be used. Advisable to take AR 111 Drawing concurrently with AR 113. Limited enrollment spring semester.

AR 114 PAINTING (0-4-2)(F/S). A continuation of AR 113 problems with increased emphasis on color, composition, and contemporary concepts in painting. A variety of subject matter will be painted in oil, acrylic or other media. Advisable to take AR 113 prior to AR 114. Limited enrollment fall semester.
AR 115 LANDSCAPE PAINTING (0-6-3)(SU). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. First summer session.

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

AR 123 CRAFTS (0-4-2)(F/S). Lectures will be in the nature of crafts, the design principles, craftsmanship and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, mosaic, ceramic tile construction, batik, tie and dye, creative stitchery, enameling, macramè, 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 DESIGN (2-1-2)(F/S). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture.

AR 156 ARCHITECTURAL GRAPHIC COMMUNICATION (1-4-3)(S). Introduction to the process of Architectural Graphic Communication; to explore graphics through projects and lectures.

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 208 WEAVING (0-4-2)(F/S). Develop skills and techniques in four-harness loom weaving, off-loom weaving and tapestry weaving will be emphasized through construction and study of traditional and contemporary fiber arts. Taught Intermittently.

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

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

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

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

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

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

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

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

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

AR 222 ART METALS (0-4-2)(S). Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. PREREQ: AR 221.

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

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

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

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

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

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

AR 255 ADVANCED ARCHITECTURAL GRAPHICS (1-4-3)(F). Three-dimensional drawing, applying various delineation techniques; preliminary presentation techniques and use of color in graphics.

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 156 Architectural Graphic Communication or AR 255 Advanced Architectural Graphics. Advisable to take AR 156 or AR 255 before enrolling in AR 256 Basic Architectural Design.


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

Upper Division

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

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

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

AR 305 STUDIO IN VISUAL DESIGN (0-6-3)(F/S). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture, and space. Advisable to take AR 105 and 106 prior to AR 305.

AR 307 STUDIO IN METALSMITHING (0-6-3)(F/S). Advanced study in methods of jewelry making and metalsmithing with special emphasis on raising, dieforming, sheet forming, and mechanical techniques to further develop personal skills in design and craftsmanship. May be repeated for credit. PREREQ: AR 221, 222.

AR 308 ADVANCED WEAVING (0-6-3)(F/S). Continuing development of skills and techniques in weaving will be emphasized through specialized areas of study such as drafting and designing complex weave structures, block theory, multi-layered and three dimensional fiber construction, ikat and warp painting, dyeing with natural and chemical dyes. Taught Intermittently. PREREQ: AR 208 or PERM/INST. (Repeatable for credit.)

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

AR 311 ADVANCED DRAWING (0-6-3)(F). 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). Advanced study in the materials of ceramics with emphasis on exploration of clays, glazes, and firing in earthenware, stoneware, and porcelain. Individual instruction will be given. PREREQ: AR 225 or 226 or PERM/INST.

AR 326 STUDIO IN CERAMICS (0-6-3)(S). Emphasis is on structural studies in handbuilding and wheel-thrown works. Various firing methods using earthenware, stoneware, and porcelain will be explored. PREREQ: AR 225 or 226 or PERM/INST.

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

AR 333 COMPUTER GRAPHICS FOR ARTISTS (0-4-2)(F/S). This course teaches the student to create art, graphics, or architectural drawings on a personal computer. Computers available are the Apple IIgs, Macintosh Plus, and Tandy 1000. Programs available include PaintWorks Plus, Pagemaker, Aldus Freehand, SuperPaint, Lumenai, and AutoCad. PREREQ: PERM/INST. (Repeatable for credit.)

AR 341 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 CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F/S). Advanced study of photographic techniques: emphasis on the creative approach to picture taking and printing in color. Adjustable camera required. May be repeated for credit. PREREQ: AR 251 or PERM/INST.

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

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

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, etc. May be repeated for credit. PREREQ: AR 221, 222, 307.

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 once 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 410 SENIOR SHOW (0-1-1)(F/S). An exhibition of art work by graduating seniors. The course will give students experience in the process of selecting, hanging, and publicizing their art work. Students will be required to supply slide records of their art work, resumes, and if required, art work for the department's permanent collection. PREREQ: Senior Standing. (Pass/Fail)

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 AND WATERCOLOR (0-6-3)(F/S). Individual problems in painting and watercolor. Students will participate in one-person senior show projects. May be repeated for credit. PREREQ: AR 315.

AR 421 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 metals and methods of jewelry making and metalworking 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 ceramics with emphasis on the exploration of clays, glazes, and firing as they apply 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 441 CREATIVE PHOTOGRAPHY (2-4-3)(F/S). Individual problems in black and white photography. Advisable to take AR 251 and AR 341. May be repeated for credit.

AR 444 CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F/S). Individual problems in color photography. May be repeated for credit. PREREQ: AR 344 or PERM/INST.

AR 461 STUDIO IN ADVERTISING ILLUSTRATION (0-6-3)(F/S). A continuing study of illustration with emphasis on development of specialized areas such as airbrush, decorative and special effects, scientific, book, editorial and reportage illustration and media and image expression. The student will work toward completing a professional portfolio. PREREQ: Two semesters of Art 361. May be repeated for credit.

AR 498 SENIOR SEMINAR (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 Bldg., Rm. 223

Chairperson and Professor: Marcia C. Wicklow-Howard; Professors: Baker, Bechard, Centanni, Douglas, Fuller, McCloskey, Papenfuss, Rychnert; Associate Professors: Long, Wylie; Assistant Professors: Dufy, Munger, Ott.

Degrees Offered
- MS in Raptor Biology (see Graduate College for program details)
- BS in Biology
- BS in Biology, Secondary Education
- Biology Minor
- Pre-Forestry and Wildlife Management

Degree Requirements

BIOLOGY MAJOR
Bachelor of Science Option

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

2. Major Requirements
   Biology ........................................... 45
   - Biology Core .................................. 20
     General Botany BT 130 ........................ 4
     General Zoology Z 130 ........................ 5
     Cell Biology B 301 .............................. 3
     Genetics B 343 ................................. 3
     Ecology B 423 .................................. 4
     Biology Seminar B 498 or 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

3. Chemistry ........................................ 14
   - College Chemistry C 131-134 ............... 9
   - Organic Chemistry C 317, 319 ............... 5

4. Mathematics ...................................... 9
   - Four or more credits chosen from the following:
     Algebra and Trigonometry M 111 ............ 5
     A First Course in Programming CS 122 .... 2
     Digital Computer Program CS 124 or EN 104 2
     Introduction to Computer Science I CS 125 3
     Calculus and Analytic Geometry M 204 .... 5

5. Recommended Electives .......................... 30
   - Area I & II Electives
     Biochemistry C 431 ........................... 10
     Earth Science Electives
BIOLOGY MINOR

1. General University and Baccalaureate Degree Requirement Credits ................. 30
2. Major Requirement Credits
   Biology ........................................................................................................... 30-45**
   General Botany BT 130 ................................................................. 4
   General Zoology Z 130 ................................................................. 5
   Cell Biology B 301 ................................................................. 3
   Genetics B 343 ................................................................. 3
   Ecology B 423 ................................................................. 4
   Biology Seminar B 498 or 499 .................................................. 1
   Physiology—one course ................................................................. 4
   Plant Physiology BT 401 ................................................................. 4
   Human Physiology Z 401 ................................................................. 4
   Gen & Comp 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 30-45 credits ................................................ 2-17
3. Chemistry ........................................................................................................... 14
   College Chemistry C 131-134 ................................................................. 9
   Organic Chemistry C 317, 319 ................................................................. 5
4. Mathematics ........................................................................................................... 9
   Algebra & Trigonometry M 111 ................................................................. 5
   Four or more credits chosen from the following: 
   Applied Statistics with the Computer M 120 .................................................. 4
   A First Course in Programming CS 122 .................................................. 2
   Digital Computer Program CS 124 or EN 104 .................................................. 2
   Introduction to Computer Science I CS 125 .................................................. 3
   Calculus and Analytic Geometry M 204 .................................................. 5
5. Education Requirement Credits ........................................................................ 29-35
   The following are required for Secondary Teaching Certification in Idaho: 
   Intro Second Teach: Clsrn Obs TE 172 .................................................. 1
   Foundations of Education TE 201 .................................................. 3
   Educational Technology TE 356 .................................................. 2
   Reading in Content Subjects TE 407 .................................................. 3
   Educ Except Secondary Student TE 333 .................................................. 1
   Educational Psychology TE 225 .................................................. 3
   Secondary School Methods TE 381 .................................................. 3
   Secondary School Science Methods TE 384 .................................................. 3
   Secondary School Student Teaching .................................................. 10-16
6. Elective Credits .................................................................................................. 0-1

* A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.
** A Biology, Secondary Education Option major with a minor requires 45 Biology credits.
A Biology, Secondary Education Option major with a minor in another area requires 30 Biology credits. A Minor in Biology requires a minimum of 24 Biology credits. In all instances a minimum of 6 credits must be in Botany and 6 credits in Zoology.
NOTE: 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.

Secondary Education Option—Major Endorsement

1. General University and Baccalaureate Degree Requirement Credits ................. 30
2. Major Requirement Credits
   Biology ........................................................................................................... 30-45**
   General Botany BT 130 ................................................................. 4
   General Zoology Z 130 ................................................................. 5
   Cell Biology B 301 ................................................................. 3

3. Minor Endorsement in Biology Credits .................................................. 24**
   General Botany BT 130 ................................................................. 4
   General Zoology Z 130 ................................................................. 5
   Cell Biology B 301 ................................................................. 3

4. Education Requirement Credits ........................................................................ 29-35
   The following are required for Secondary Teaching Certification in Idaho: 
   Intro Second Teach: Clsrn Obs TE 172 .................................................. 1
   Found of Education TE 201 .................................................. 3
   Read in Content Subject TE 407 .................................................. 3
   Educ Except Secondary Student TE 333 .................................................. 1
   Educational Technology TE 356 .................................................. 2
   Educational Psychology TE 225 .................................................. 3
   Secondary School Methods TE 381 .................................................. 3
   Secondary School Science Methods TE 384 .................................................. 3
   Secondary School Student Teaching .................................................. 10-16
5. Elective Credits .................................................................................................. 12-15

Recommended Program

BIOLOGY MAJOR
Bachelor of Science Degree

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BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science

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Course Offerings

See page 20 for definition of course numbering system

B BIOLOGY

Lower Division

B 100 CONCEPTS OF BIOLOGY (3-2-4)(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 300 BIOLOGY OF AGING (3-0-3)(F/S). Focuses on biological aspects of aging and the major types of anatomical and physiological processes which may impair normal functioning during the aging process. This course is not appropriate for Biology majors and may not be counted toward major requirements. Offered even-numbered years. PREREQ: Upper Division standing and B 100 or Z 111-112.

B 301 CELL BIOLOGY (3-0-3)(F/S). Structure and function of 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 (3-4-3)(F). A general survey of the field of Bacteriology: techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects and immunology. PREREQ: C 317, B 301, PERM/INST.

B 310 PATHOGENIC BACTERIOLOGY (3-4-3)(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: C 317, B 301, PERM/INST.

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

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

B 401-401G 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 odd-numbered years. PREREQ: B 301 or PERM/INST.

B 412-412G 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 420-420G 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 423-423G EXPLORATION (3-0-3)(F/S). A survey of the physical factors of the environment and their effect of the mode on life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. Field and laboratory investigations into topics of physical habitat, populations, communities, pollution, etc. Weekend field trips may be taken. PREREQ: BT 130, Z 130, PERM/INST.

B 498, 499 BIOLOGY SEMINAR (1-0-3)(F/S). A review of pertinent literature on selected topics. Restricted to senior Biology majors.

Graduate Courses

See Graduate College section of this catalog for course descriptions.

BT BOTANY

Lower Division

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

BT 130 GENERAL BOTANY (3-3-3)(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 (3-3-3)(F). 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 (3-3-4)(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 330-330G 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, C 317, PERM/INST.

FS FORESTRY

Lower Division


Z ZOOLOGY

Lower Division

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

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4)(AREA III CORE). 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)(SK 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 305-306G 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 341-341G 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 odd-numbered 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 histotechnical techniques. Offered alternate years. PREREQ: Z 130, PERM/INST.

Z 400 VERTEBRATE HISTOLOGY (3-3-4)(F). Microscopic anatomy of cells, tissues, and organ systems of vertebrates. Major emphasis will be on mammalian systems. Z 301 or Z 351 are recommended prior to enrollment. PREREQ: Z 130 or PERM/INST.

Z 401 HUMAN PHYSIOLOGY (3-3-4)(S). Functional aspects of human tissue and organ systems with emphasis on regulatory and homeostatic mechanisms. PREREQ: B 301, C 317, PERM/INST.

Z 409-409G GENERAL AND COMPARATIVE PHYSIOLOGY (3-3-4)(S). Physiological principles common to all forms of animal life are discussed. Physiological adaptations required to live in a variety of environments are presented. PREREQ: Z 130, C 317, PERM/INST.

Z 421-421G MAMMALOGY (2-3-3)(S). Mammals as examples of biological principles: classification, identification, distribution, ecology, life histories, and adaptations of mammals. Two weekend field trips. Offered even-numbered years. PREREQ: Z 355, PERM/INST.

Department of Chemistry

Science-Nursing Bldg., Rm. 315 Telephone (208) 385-3963

Chairperson and Professor: Richard Banks; Professors: Carter, Dalton, Ellis, Matjeka, Mercer, Stark; Assistant Professors: Bammel, LeMaster, Schimpf.

Degrees Offered

• BS in Chemistry
• BS in Chemistry, Secondary Education

Department Statement

The Chemistry Department’s goal is to provide degree candidates with a thorough understanding of the fundamentals of chemistry, interwoven with training in up-to-date procedures and state-of-the-art instrumentation. A BSU graduate with a major in chemistry can by choosing from a variety of courses, be prepared to enter graduate school, medical or other professional schools, teach in high school, or work as a chemist in a variety of careers.

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 faculty 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 graduate school or medical school.

1. General University and Baccalaureate Degree Requirements (128 credits total)

   General Requirements .......................... 49-57
      English Composition E 101, 102  .................... 6
      Area I Core ..................................... 12
      Area II Core ..................................... 12
      Electives, Lower and Upper Division ............. 24-32
   Chemistry ........................................ 46
      College Chemistry C 131, 132, 133, 134 .......... 9
      Quantitative Analysis C 211, 212 .................. 5
      Physical Chemistry C 321, 322, 323, 324 ......... 8
      Advanced Inorganic Chemistry C 401-402 ........ 6
      Instrumental Analysis C 411 ....................... 4
      Spectrometric Identification C 440 ............... 3
      Advanced Chemical Preparations Lab C 443 .... 2
      Independent Study C 496 .......................... 2
      Chemistry Seminar C 498 .......................... 1
      Mathematics Requirements ...................... 10-18
      (Completion of Mathematics through Calculus M 206)
      Physics Requirements .................... 10
      (PH 211, 212, 213, 214)

2. Recommended Electives:

   - Foreign Language
   - Upper Division Chemistry
   - Upper Division Mathematics
   - Advanced Topics in Chemistry
   - Life Science Courses

   CHEMISTRY MINOR

   College Chemistry C 131*, 132, 133, 134 ........... 9
   Organic Chemistry C 317, 318, 319 .................. 8
   One of the following pairs of courses ............... 4-5
      Quantitative Analysis C 211, 212
      Physical Chemistry C 321*, 323
      Intro to Biochemistry C 431, 432
   TOTAL ........................................... 21-22

*Math and/or Physics prerequisite.

CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION Bachelor of Science Degree

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

1. General University and Baccalaureate Degree Requirements (128 credits total)

   General Requirements .......................... 27-35
      English Composition E 101, 102  .................... 6
      Area I Core ..................................... 12
      Area II Core ..................................... 9
      Electives, Lower and Upper Division ............. 0-8
   Major Endorsement Requirements .................. 37-38
      College Chemistry C 131, 132, 133, 134 .......... 9
      Quantitative Analysis C 211, 212 .................. 5
      Organic Chemistry C 317, 318, 319, 320 .......... 10
      Physical Chemistry C 321, 322, 323, 324 .......... 8
      Chemistry Seminar C 498, 499 .................... 2
      Additional Upper Division Chemistry Courses .... 3-4
      Mathematics Requirements ...................... 10-18
      (Completion of Mathematics through M 206)
      Physics Requirements ............................ 10
      (PH 211, 212, 213, 214)
      Biology Requirements ............................ 9
      (BT 130 and Z 130)
Recommended Programs

CHEMISTRY MAJOR
Bachelor of Science

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<td>Spectrometric Identification C 440</td>
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CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree

FRESHMAN YEAR

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Course Offerings

See page 20 for definition of course numbering system

C CHEMISTRY

CHEMISTRY LABORATORY FEE: A ten dollar ($10.00) laboratory fee per course is charged to all students enrolling in a chemistry laboratory. Eight dollars ($8.00) will be refunded subject to return of the laboratory locker key and minus the cost of any amount of breakage or loss.

Lower Division

C 100 CONCEPTS OF CHEMISTRY (3-3-4)(AREA III), A descriptive non-mathematical course designed to acquaint students with the science of Chemistry and the relationship of Chemistry to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve as part of a Chemistry sequence. Students who have received credit for C 100 or C 133 may not receive credit for C 106.

C 107 ESSENTIALS OF CHEMISTRY (3-0-3)(AREA III), The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic Chemistry. PREREQ: Satisfactory score on Mathematics Placement Exam “B” and/or satisfactory completion of Math 020 is required. COREQ: 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. COREQ: Concurrent enrollment in C 107 is required.

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

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

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

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

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

C 134 LABORATORY FOR COLLEGE CHEMISTRY (1-2-3)(SU)(AREA III). Laboratory work to accompany C 133. To include qualitative analysis. One hour of recitation and one three-hour laboratory per week. PREREQ: C 131, 132.

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

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

C 280 CHEMICAL LITERATURE (1-0-1)(X). An introduction to the chemical literature including the use of Chemical Abstracts, computer searching and writing reports in accepted format. PREREQ: C 133 or PERM/INST.

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 requirements for a more rigorous course. PREREQ: C 131, 132, 133, 134. COREQ: Concurrent credit enrollment in C 319 is required.
Degrees Offered

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

Department Statement

The major in English has traditionally served to develop skills of imaging, reasoning, and communicating. English majors 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. The department also participates in the university's Studies Abroad Program described on page 33.

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 the student the greatest 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.

1. BA, English, Liberal Arts emphasis
   - Specific Courses:
     - Survey of British Lit E 240 and E 260 ............................................. 6
     - Shakespeare E 345, 346 ................................................................. 3
     - Introduction to Language Studies Li 305 ........................................... 3
     - History of the English Language Li 309 ........................................... 3
     - History of Literary Criticism E 393 ................................................ 3
     - Senior Seminar E 498 ................................................................. 3
   - Area Requirements:
     - American Lit E 271, 272, 378, 384 ................................................. 3
   - Upper Division Electives ................................................................. 15
   - Competence in a Foreign Language equivalent to two years of University instruction

2. BA, English, Secondary Education
   - Specific Courses:
     - Survey of British Literature E 240, E 260 ........................................... 6
     - Shakespeare E 345, 346 ................................................................. 3
     - Introduction to Language Studies Li 305 ........................................... 3
     - History of Literary Criticism E 393 ................................................ 3
     - Senior Seminar E 498 ................................................................. 3
   - Area Requirements:
     - American Literature E 271, 272, 378, 384 ..................................... 3
     - Writing numbered 200 or higher ..................................................... 6
     - Language Li 306, 307, 309, 406 ....................................................... 6
     - Methods* E 301 and 381 ............................................................... 6
     - Lit for use in Junior and Senior High Schl E 481 ................................ 3
     - Upper Division English Electives ................................................... 3
     - Western World Literature E 230 or 235 ......................................... 3

To be approved for student teaching, students must have:
   a. Passed Writing Proficiency Review (portfolio of writing submitted to English Department Writing Committee).
b. Completed all courses required for the departmental core and the secondary option. In some cases the department may approve enrollment in no more than two of the following courses (LI 307, E 301, E 481, or E 498) concurrent with student teaching.

c. Completed a speech communication class. The department recommends CM 111 or CM 112 which will also give partial fulfillment of the AREA II core.

d. Maintained a 2.50 cumulative grade point average and a 2.50 grade point average in the major.

e. Completed Idaho Certification requirements.

**Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Dept. of Teacher Educ. listing for more information.**

### 3. BA, English, General Literature emphasis

- Completion of 54 credits in English or Linguistics excluding E 101, E 102, E 111-H, and E 112-H.
  - Of these credits, 39 must be upper division, including E 498, Senior Seminar.
  - Of the upper division credits, 15 must be in Britis Literature, excluding E 385, E 389, and E 487.
  - No more than 9 credits may be in special topics courses in English or Linguistics.

### 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

### 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
  - British History HY 311, 312, 338 or 432

### 6. BA, English, Linguistics emphasis

- Specific courses:
  - Intro to Language Studies LI 305
  - Modern English Grammar LI 306
  - Applied English Linguistics LI 307
  - History of English Language LI 309
  - Applied Linguistics in Teaching ESL LI 407
  - ESL Internship E 493
  - 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 Lit lower or upper division
  - Upper division elect in Lit (12 British Lit)
  - One year of a Foreign Language

### 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 courses E 211, 213, 217, 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

### 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
  - Additional upper division writing course
  - Linguistics LI 305, 306, 307, or 309
  - Lower Division Lit electives
  - Upper Division Lit electives
  - Additional upper division lit or ling electives
  - Interdisciplinary electives, CM 473, 474
  - HY 210 or HY 480-499, GO 471, LS 311, PY 335, 408 (or as approved by English Chair)

### ENGLISH MINOR

- One writing course numbered 200 or higher
- Linguistics
- Survey British Literature E 240 or 260
- Survey American Literature E 271 or 272
- English and Linguistics electives (6 upper division)

**TOTAL 21**

### MINOR TEACHING ENDORSEMENT IN ENGLISH

- Advanced Composition
- Linguistics
- Methods E 301, 381
- Survey of American Literature E 271, 272
- Lower Division Literature
- Upper Division Literature
- Successful completion of Writing Proficiency Review (portfolio of writing submitted to English Department Writing Committee).

### THEATRE ARTS MINOR FOR ENGLISH MAJOR

- Technical Theatre (basic set & const) TA 117
- Technical Theatre (basic set design, paint, light) TA 118
- Acting TA 215
- Major Production Participation TA 331
- One of the following:
  - Stage Voice TA 233
  - World Drama, 500 B.C. to 1660 TA 342
  - World Drama, 1660 to 1960 TA 342
  - Contemporary Theatre TA 445
  - Directing TA 401
- One of the following:
  - Shakespeare: Tragedies and Histories E 345
  - Shakespeare: Comedies and Romances E 346

**TOTAL 20 or 21**

### COMBINED MAJOR, COMMUNICATION AND ENGLISH

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

Refer to the Department of Communication listing in this catalog for
the specific requirements.

Course Offerings

See page 20 for definition of course numbering system

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 re-
quirements 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 (1-2-0). Training in writing and editing pro-
cesses with emphasis on correctness and sentence structure. Attention to fluency,
organization, development, revision. Required if writing sample demonstrates
need or if ACT, SAT, or TSWE score is below 20th percentile. 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 or SAT percentile score of 20 or above, or S 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 compo-
nency test required. PREREQ: E 101 or PERM/CHAIR.

E 111, 112 HONORS COMPOSITION (3-0-3)(Core). Provides superior student
challenge emphasizing individual study and original writing. Introduction to
critical reading and study of ideas through literature. Honors 111 concentrates
on lyric poetry, essays, and short fiction. Honors 112 concentrates on epic poetry,
drama, and the novel. Normal prerequisite: SAT or ACT of 80th percentile or above
for E 111. Successful completion of competency test required. PREREQ: E 111 or
PERM/CHAIR for E 112.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(FS). Special emphasis on
vocabulary development, reading and development of skills in written English.

For foreign students with TOEFL scores (or equivalent) of 500-550. Graded
Pass/Fail. PREREQ: Admission to BSU, recommendation of Foreign Student
Advisor and PERM/INST.

E 122 COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(FS) prac-
tice in writing and composition, development of special vocabulary skills related
to individual needs, advanced English sentence structure. For Foreign students
with TOEFL scores of 551-575. Graded Pass/Fail. PREREQ: Admission to BSU,
recommendation of Foreign Student Advisor and PERM/INST.

E 123 ADVANCED ENGLISH COMPOSITION FOR FOREIGN STUDENTS (5-0-3)(FS),
Study of and practice in the principles of formal and informal written English;
principles of the essay and research paper, continuation of vocabulary develop-
ment and mastery of the more complex types of English structure. Successful
completion of the competency exam required. Graded Pass/Fail. Successful com-
pletion of E 123 qualifies the student for entrance into E 101. PREREQ: Admis-
sion to BSU, recommendation of Foreign Student Advisor and PERM/INST.

E 131 INTRODUCTION TO LITERATURE (3-0-3)(FS). 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 editions
of some of the works read. PREREQ: Completion of or concurrent enrollment
in E 101 or PERM/CHAIR.

E 201 ADVANCED EXPOSITORY COMPOSITION (3-0-3)(FS). 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
critiquing the work of other students. Extensive writing practice stressing
organization, clarity and effectiveness. PREREQ: E 102 or PERM/CHAIR.

E 202 TECHNICAL WRITING (3-0-3)(FS). Practice in writing the kinds of reports
used in the sciences, social sciences, health services and industry. Students will
improve the logic, organization and persuasiveness of their writing. Will not fulfill
Area I requirements. PREREQ: E 102 or PERM/CHAIR.

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

E 206 FICTION WRITING (3-0-3)(S). Introduction to fiction writing with a con-
centration on descriptive technique. Readings in the short story. May be repeated
for a total of nine credit hours.

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

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

E 215 FAR EASTERN LITERATURE, IN TRANSLATION (3-0-3)(FS)(AREA I). Survey of
literature from Eastern countries with major emphasis on China, India, and
Japan. An introduction to the cultural and religious environment of each coun-
try. COVERED. PREREQ: E 102.

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

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

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

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

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

E 260 SURVEY OF BRITISH LITERATURE: 1790 TO PRESENT (3-0-3)(FS)(AREA I). The
reflection of social and cultural changes in the poetry and prose of Romantic,

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

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

Upper Division

E 301 TEACHING ENGLISH COMPOSITION (3-0-3)(FS). Methods and techniques
for teaching English composition in secondary schools, with emphasis on in-
dividualization of instruction, student-centered activity, creativity, and integra-
tion 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 chair. PREREQ: Upper Division standing, and LI
305, Introduction to Language Studies, or in-service teaching.

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

E 306 ADVANCED FICTION WRITING (3-0-3)(F). Exploration of narrative tech-
ique, dialogue form, and the short story. Recommended: E 206. May be repeated
for nine credit hours.

E 336 NINETEENTH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S). Major Euro-
pean writers in the 19th century in translation. Reading maintains a chronological
approach stressing the relationship of the literature to the socio-economic and
political conditions of the times. Works of Goethe, Stendhal, Flaubert, Nietzsche,
Schopenhauer, Dostoevsky, Dostojevsky, Chretien de. Troyes, Ar;thurian Romances, The
Nibelungenlied, The Cid. PREREQ: Three credits of literature or PERM/CHAIR.

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

E 340 CHAUCER (3-0-3)(F). Emphasis on The Canterbury Tales and Troilus and
Crisyde. Also representative minor works. PREREQ: Three credits of literature or

E 341 MEDIEVAL EPICS AND ROMANCES (3-0-3)(FS). Representative English and
continental epics and romances, including Beowulf, Sir Gawain and the Green
Knight, Chretien de.Troyes, Arthurian Romances, The Song of Roland, the
Nibelungenlied, The Ced. PREREQ: Three credits of literature or PERM/CHAIR.

E 345 SHAKESPEARE: TRAGEDIES AND HISTORIES (3-0-3)(FS). A selection of the
tragic plays including Romeo & Juliet, Hamlet and King Lear, and the best plays
concerning English history. PREREQ: Three credits of literature or PERM/CHAIR.
E 346 SHAKESPEARE: COMEDIES AND ROMANCES (3-0-3)(F/S). Representative plays such as The Taming of the Shrew, A Midsummer's Night's Dream, As You Like It, Twelfth Night, and the Tempest. PREREQ: Three credits of literature or PERM/CHAIR.


E 350 SEVENTEENTH CENTURY POETRY AND PROSE (3-0-3)(S). Works of the English authors such as Francis Bacon, Jonson, Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1993/1994.


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 of literature or PERM/CHAIR.

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 keep and express artistic and moral hope amidst vital but unhealthy times. PREREQ: Three credits of literature or PERM/CHAIR.

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 amement to reformation. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1992/1993.

E 369 BRITISH NOVEL: SCOTT THROUGH HARDY (3-0-3)(S). 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 the modern period helps us to understand the novel of the century about the world around us. PREREQ: Three credits of literature or PERM/CHAIR.

E 378 AMERICAN RENAISSANCE (3-0-3)(F/S). A study in the second generation of the American literary experience when such leading writers as Hawthorne, Melville, Emerson, Thoreau, Poe, and Whitman, acting under the varied impulses of Puritanism, Romanticism and idealism, created the first universal vision of human experience to appear in American literature. PREREQ: Three credits of literature or PERM/CHAIR.

E 379 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 contemporary society. Includes Scott, Dickens, Gaskell, Thackeray, the Brontes, Trollope, Eliot, and Hardy. PREREQ: Three credits of literature or PERM/CHAIR.

E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(F/S). The literary meritsof Western types such as the mountain man, the cowboy, and the pioneer. PREREQ: Three credits of literature or PERM/CHAIR.

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 of literature or PERM/CHAIR.

E 388 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 playwrights as far apart in their times, themes, and techniques as Shaw and Stoppard, O'Neill and Osborne. PREREQ: Three credits of literature or PERM/CHAIR.

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

E 393 HISTORY OF LITERARY CRITICISM (3-0-3)(F). A survey of critical approaches to literature from Plato to the twentieth century. PREREQ: A literature survey or PERM/CHAIR.

E 401 ADVANCED NONFICTION WRITING (3-0-3)(F/S). Advanced practice in nonfiction genres of writing and with papers read from other authors. Emphasis: literary techniques of writers. Students may take the course twice, fur a total of 6 credits. PREREQ: E 102 or PERM/CHAIR.

E 402 ADVANCED TECHNICAL WRITING (3-0-3)(F/S). Advanced work in the researching, writing, editing, and designing of technical documents. Major projects are related to each student's field of interest. Topics of study include editing technical documents, audience analysis, graphic design, and the rhetoric of technical writing. PREREQ: E 202 or PERM/CHAIR.

E 412-412G WOMEN WRITERS (3-0-3)(F/S). Literature by English speaking women, with special attention to cultural contexts, the themes and methods used by women writers. Writers have created their own tradition. The course may focus on writings of a particular period. Alternate years. PREREQ: Three credits of literature or PERM/INST.

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

E 487-487G MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F/S). A study of the writers of poetry and the poetic movements of this century. Emphasis: American poetry of the modern age. Students may take the course twice, for a total of 6 credits. PREREQ: E 102 or PERM/CHAIR.

E 488-488G METHODS AND THEORIES OF LITERARY CRITICISM AND RHETORIC (3-0-3). Study of major literary and rhetorical theories, their methods and their implications. PREREQ: 3 credits of upper division literature or PERM/CHAIR.

E 498 SENIOR SEMINAR (3-0-3)(S). Required of all senior English majors. PREREQ: Senior standing or PERM/CHAIR.

HU HUMANITIES

HU 207, 208 INTRODUCTION TO HUMANITIES (3-0-3)(F)(AREA I). The human intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. PREREQ: E 102 or PERM/CHAIR.

LI LINGUISTICS

LI 305 INTRODUCTION TO LANGUAGE STUDIES (3-0-3)(F). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology and psychology, with emphasis on sounds, words, and sentence structure in English. PREREQ: E 102 or PERM/CHAIR.

LI 306 MODERN ENGLISH GRAMMAR (3-0-3)(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.

LI 307 APPLIED ENGLISH LINGUISTICS (3-0-3)(S). A survey of applied linguistics with emphasis on theories, concepts, and methods relevant to the teaching of English. Topics include word meaning, language variation, language and context, oral and written discourse, writing systems, language analysis, dictionaries and grammars, bilingualism and language planning, and problems in teaching English as a first and second language. Alternate years. PREREQ: LI 305.

LI 308 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(F/S). A study of the periods in 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/CHAIR.

LI 406 PSYCHOLOGY (3-0-3)(F/S). The study of language in relation to mind and brain. The course will be based on the relevance between language, thought and memory; language acquisition; language disorders; and the psychological processes involved in speaking, listening, reading, writing, and spelling. PREREQ: LI 305.

LI 407-407G APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S). Designed to help teachers in the bilingual classroom or teaching students of limited proficiency in speaking English to understand how 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 1993/1994.
Department of Geoscience
Mathematics-Geology Bldg., Rm. 104 Telephone (208) 385-1631
Chairperson, Professor: Monte D. Wilson; Professors: Bentley, Donaldson, Hollenbaugh, Pelton, Spinosa, Waag, White, Wood; Associate Professor: Snyder; Upl Assistant Professor: Osiensky; Visiting

Degrees Offered
- BS, Geology
- BS, Geophysics
- BS, Earth Science Education, Secondary Education
- MS, Geology: cooperative program with Idaho State University (See Graduate College for details)
- MS, Geophysics (See Graduate College for details)
- MS, Education, Earth Science emphasis (See Graduate College for details)

Special Information for Students
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 curriculum 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 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. Refer to Graduate College section. For details regarding the Master of Science in Geology and the Master of Science in Geophysics refer to the Graduate College section.

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

Ndegree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Science, Secondary Education Degree Program offered in the Departments of Economics, History, Political Science, and Sociology, Anthropology and Psychology.

Degree Requirements

GEOLoGY MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements .............. 30
   NOTE: Area III is fulfilled by the major requirements below.
   Recommended Core Courses:
   Area I, Foreign Language (201 or higher)
   Area II, Economics, Geography

2. Major Requirements:
   Geology and Geophysics .................................. 54
   Physical Geology GO 101 ................................ 4
   Historical Geology GO 103 ................................ 4
   Intro to Mineralogy GO 221 ................................ 3
   Field Geology GO 280 .................................... 3
   Igneous & Metamorphic Petrology GO 323 ................. 3
   Igneous & Metamorphic Petrography GO 324 .............. 1
   Sedimentation & Stratigraphy GO 310 ....................... 4
   Geomorphology GO 313 ................................... 1
   Structural Geology GO 314 ................................ 4
   Invertebrate Paleontology GO 351 ......................... 1
   Geophysics GP 300 or GP 301 .............................. 3
   Summer Field Camp GP 482 ................................ 4
   Summer Field Camp Report GO 483 ......................... 2
   Senior Seminar GO 498 or 499 ............................. 1
   Geology Electives ......................................... 12

GEOPHYSICS MAJOR
Bachelor of Science Degree

College Chemistry C 131, 132, 133, 134 ....................... 9
PhysicS
   Option I: (Recommended for students planning graduate studies)
   Mechanics, Waves & Heat + Lab PH 211, 212 ................ 5
   Electricity, Magnetism & Optics + Lab PH 213, 214* ........ 5
   *Physical Chemistry & Lab C 321, 323 can be substituted for PH 213, 214
   Option II
   General Physics PH 101, 102 ................................ 8
   Mathematics M 204, 205* or M 211, 212 .................... 9-10
   (Mathematics through M 206 is recommended for students planning graduate studies.)
   *CS 124 and M 225 or an acceptable STATISTICS course may be substituted for M 205.
   Basic Surveying EN 215 or Cartography GG 220 .............. 2-3
   Free Electives .............................................. 14-19

EARTH SCIENCE EDUCATION MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements .............. 30-33
   English Composition E 101, 102 ............................. 6
   Area I Core ................................................ 12
   Area II Core (to include P 101, TE 201, GG 101) ............. 12
   Upper Division Electives .................................. 0-3

2. Major Earth Science Requirements: ........................ 35
   Physical Geology GO 101 .................................... 4
   Historical Geology GO 103 .................................. 4
   Intro to Descriptive Astronomy PH 105 ...................... 4
   Intro to Oceanography GO 201 ................................ 3
   Intro to Meteorology GO 213 ................................ 3
   Mineralogy GO 221 ........................................... 1
   Geomorphology GO 313 ...................................... 3
   Petrology GO 323 ............................................. 3
   Petrography GO 324 ......................................... 1
   Senior Seminar GO 498 or 499 ................................ 1
   Upper Division Geology courses or GG 331 or GP 300 ........ 6

   College Chemistry C 131, 132, 133, 134 ................... 9
   General Physics PH 101, 102 ................................ 8
   General Botany BT 130 & General Zoology Z 130 .......... 9
   Algebra & Trigonometry M 111 ................................ 5

4. Education Requirements for Secondary Education: ........... 27-33
   Intro Second Teach: Clsrm Obs TE 172 ....................... 1
   Foundations of Education TE 201 ............................ 3
   Educational Psychology TE 225 ............................... 3
   Educ the Except Secondary Student TE 333 .................. 1
   Reading in Content Subject TE 407 .......................... 3
   Secondary School Science Methods TE 384 ................... 3
   Secondary School Methods TE 381 ........................... 3
   Secondary Student Teaching ................................ 10-16

NOTE: 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.

Degree Requirements

GEOLoGY MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements .............. 30
   NOTE: Area III is fulfilled by the major requirements below.
   Recommended Core Courses:
   Area I, Foreign Language (201 or higher)
   Area II, Economics, Geography

2. Major Requirements:
   Geology and Geophysics .................................. 54
   Physical Geology GO 101 ................................ 4
   Historical Geology GO 103 ................................ 4
   Intro to Mineralogy GO 221 ................................ 3
   Field Geology GO 280 .................................... 3
   Igneous & Metamorphic Petrology GO 323 ................. 3
   Igneous & Metamorphic Petrography GO 324 .............. 1
   Sedimentation & Stratigraphy GO 310 ....................... 4
   Geomorphology GO 313 ................................... 1
   Structural Geology GO 314 ................................ 4
   Invertebrate Paleontology GO 351 ......................... 1
   Geophysics GP 300 or GP 301 .............................. 3
   Summer Field Camp GP 482 ................................ 4
   Summer Field Camp Report GO 483 ......................... 2
   Senior Seminar GO 498 or 499 ............................. 1
   Geology Electives ......................................... 12

GEOPHYSICS MAJOR
Bachelor of Science Degree

College Chemistry C 131, 132, 133, 134 ....................... 9
PhysicS
   Option I: (Recommended for students planning graduate studies)
   Mechanics, Waves & Heat + Lab PH 211, 212 ................ 5
   Electricity, Magnetism & Optics + Lab PH 213, 214* ........ 5
   *Physical Chemistry & Lab C 321, 323 can be substituted for PH 213, 214
   Option II
   General Physics PH 101, 102 ................................ 8
   Mathematics M 204, 205* or M 211, 212 .................... 9-10
   (Mathematics through M 206 is recommended for students planning graduate studies.)
   *CS 124 and M 225 or an acceptable STATISTICS course may be substituted for M 205.
   Basic Surveying EN 215 or Cartography GG 220 .............. 2-3
   Free Electives .............................................. 14-19

EARTH SCIENCE EDUCATION MAJOR
Bachelor of Science Degree

1. General University and BS Degree Requirements .............. 30-33
   English Composition E 101, 102 ............................. 6
   Area I Core ................................................ 12
   Area II Core (to include P 101, TE 201, GG 101) ............. 12
   Upper Division Electives .................................. 0-3

2. Major Earth Science Requirements: ........................ 35
   Physical Geology GO 101 .................................... 4
   Historical Geology GO 103 .................................. 4
   Intro to Descriptive Astronomy PH 105 ...................... 4
   Intro to Oceanography GO 201 ................................ 3
   Intro to Meteorology GO 213 ................................ 3
   Mineralogy GO 221 ........................................... 1
   Geomorphology GO 313 ...................................... 3
   Petrology GO 323 ............................................. 3
   Petrography GO 324 ......................................... 1
   Senior Seminar GO 498 or 499 ................................ 1
   Upper Division Geology courses or GG 331 or GP 300 ........ 6

   College Chemistry C 131, 132, 133, 134 ................... 9
   General Physics PH 101, 102 ................................ 8
   General Botany BT 130 & General Zoology Z 130 .......... 9
   Algebra & Trigonometry M 111 ................................ 5

4. Education Requirements for Secondary Education: ........... 27-33
   Intro Second Teach: Clsrm Obs TE 172 ....................... 1
   Foundations of Education TE 201 ............................ 3
   Educational Psychology TE 225 ............................... 3
   Educ the Except Secondary Student TE 333 .................. 1
   Reading in Content Subject TE 407 .......................... 3
   Secondary School Science Methods TE 384 ................... 3
   Secondary School Methods TE 381 ........................... 3
   Secondary Student Teaching ................................ 10-16

NOTE: 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.
<table>
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<th>Year</th>
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<td>JUNIOR YEAR</td>
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<td>Sedimentation &amp; Stratigraphy GO 310</td>
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<td>Geomorphology GO 313</td>
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<td>Electives Area I &amp; II</td>
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| SUMMER OF JUNIOR YEAR | Field Camp GO 482, 483 | 6          |

| SENIOR YEAR | Senior Seminar GO 498 or 499 | 1          |
| Area I & II Electives | 3          | 3          |
| Free Electives at least 3 cr of upper division | 3          | 3          |
| Invertebrate Paleontology GO 351 | 3          | 3          |
| Upper Div Geology & Geophysics Electives | 4          | 4          |

| EARTH SCIENCE EDUCATION MAJOR | 1st SEM | 2nd SEM |
| English Composition E 101, 102 | 3          | 3          |
| General Botany BT 130         | 4          | 4          |
| General Zoology Z 130         | 5          | 5          |
| Physical Geology GO 101       | 4          | 4          |
| Historical Geology GO 103     | 5          | 3          |
| Mathematics M 111             | 16         | 15         |

| SOPHOMORE YEAR | College Chemistry C 131-132, 133-134 | 4          |
| Petrology GO 323 | 5          |
| Geophysics GO 314 | 4          |
| Elective         | 4          |
| JUNIOR YEAR | General Physics PH 101, 102 | 4          |
| Geomorphology GO 313 | 3          |
| Mid Oceanography GO 201 | 3          |
| Secondary School Methods TE 301 | 3          |
| Secondary School Science Methods TE 304 | 3          |
| Upper Division Earth Science Elective | 3          |
| EDUCATIONAL PSYCHOLOGY TE 203 | 3          |
| Elective         | 3          |
| SENIOR YEAR | Area II Core Classes | 10-16      |
| Secondary Student Teaching | -          |
| Intro to Oceanography GO 201 | 4          |
| Geology Seminar GO 498, 499 | 1          |
| Elective         | 3          |
| JUNIOR YEAR | Calculus & Analytic Geometry M 204 | 5          |
| Digital Computer Prog EN 104 or CS 124 | 2          |
| Area I          | 3          |
| Elective         | 3          |
| SENIOR YEAR | Calculus & Analytic Geometry II M 205 | 3          |
| Electrical Methods GP 301 | 3          |
| Elective         | 3          |
| JUNIOR YEAR | Differential Equations M 331 | 3          |
| Electricity, Magnetism and Optics PH 213 | 4          |
| Electrical Methods GP 301 | 3          |
| Elective         | 3          |
| SENIOR YEAR | Geophysics Field Camp GP 340 | 6          |
| ELECTIVE         | 3          |
| JUNIOR YEAR | Linear Systems & Signal Proc CS 426 | 4          |
| Elec & Mag (advanced) PH 381 | 3          |
| Exploration Well Logging GP 410 | 3          |
| Geophys App of Dig Sig Proc GP 420 | 3          |
| Area I & II Elective | 3          |
| SENIOR YEAR | General Physics PH 101, 102 | 4          |
| Geomorphology GO 313 | 3          |
| Mid Oceanography GO 201 | 3          |
| Secondary School Methods TE 301 | 3          |
| Secondary School Science Methods TE 304 | 3          |
| Upper Division Earth Science Elective | 3          |
| EDUCATIONAL PSYCHOLOGY TE 203 | 3          |
| Elective         | 3          |
Course Offerings

See page 20 for definition of course numbering system

GG GEOGRAPHY

Lower Division

GO 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(F/S)(AREA II). A survey of earth environments, basic concepts and techniques used in geography and the utilization of natural resources are introduced.

GO 102 CULTURAL GEOGRAPHY (3-0-3)(F/S)(AREA II). A study of the distribution and character of cultural activities throughout the world with emphasis on man-land relationships.

GO 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.

GO 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.

GO 221 GEOGRAPHY OF IODAHO 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 301 HISTORICAL GEOGRAPHY OF THE UNITED STATES (3-0-3)(F/S). The course explores the changing physical and cultural landscapes of the United States through time and space and analysis of the various regions. Included is the study of the distribution and relationships between peoples, land and resources. PREREQ: GG 102, PERM/INST.

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

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


GG 340 GEOGRAPHY OF THE SOVIET UNION (3-0-3)(F/S). A study of physical and cultural phenomena that have affected the urban and rural landscapes of the fifteen republics of the USSR. PREREQ: GO 101 or GG 101, PERM/INST.

GG 350 REGIONAL GEOGRAPHY OF EUROPE (3-0-3)(F/S). Identification and study of physical and cultural regions of Europe. Climate, landforms, and soils along with resources, national groups, and political geography. PREREQ: GO 101 or GG 101, PERM/INST.

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 non-science majors who plan an eight hour sequence in Geology.

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

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

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

GO 111 GEOLOGY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(Field trip required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas and current problems in natural resource products. PREREQ: GO 103 or PERM/INST.

GO 201 INTRODUCTION TO OCEANOGRAPHY (3-0-3)(F/S). A general study of the physiography and biological oceanography and ocean geology, including the physiography, circulation patterns, waves, tides, and the sedimentation and biologic processes that occur in the various ocean environments. PREREQ: GO 103.

GO 213 INTRODUCTION TO METEOROLOGY (3-4-3)(F). A study of the weather phenomena in terms of origin, distribution and classification. Instruments and research methods are also investigated. PREREQ: GO 101.

GO 221 MINERALOGY (2-3-3)(F). A study of minerals, including crystal forms, atomic structure, chemical properties, and environments of origin. The laboratory meets twice each week. Lab exercises emphasize identification of minerals by observing their physical properties in hand specimens and utilizing their optical properties in oil mounts and thin sections. Several exercises involve use of the x-ray diffractometer. 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 280 FIELD GEOLOGY (1-6-3)(F)(Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereopair air photos, Brunton compass, and plane-table alidade for mapping. A detailed geologic map and written geologic report will be made, interpreting one area of moderate complexity and regional significance. Two weekend field trips required. Required field work on Friday afternoons. PREREQ: GO 101, GO 102, COREQ: M 111.

Upper Division

GO 305 SOIL MECHANICS LAB (0-3-1)(S). Laboratory and field exercises on standard testing methods of engineering properties of soils: Atterberg limits, sieve and hydrometer analysis, engineering classification of soil and rock, compaction tests, field test for density, percolation rate, and soil strength. PREREQ: M 111 or equivalent. (Field Trip Required.)

GO 310 SEDIMENTATION AND STRATIGRAPHY (3-1-4)(S). The study of the transportation and deposition of sediments and their depositional environments. Emphasis is placed on the identification and correlation of sedimentary facies and on basin analysis. PREREQ: GO 103, GO 323.

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

GO 314 STRUCTURAL GEOLOGY (3-3-4)(S)(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 and cross-sections. PREREQ: GO 101, GO 102, COREQ: M 111.

GO 322 PETROLOGY (2-3-3)(S). A study of igneous, sedimentary, and metamorphic rocks with emphasis on methods of their classification, physical and chemical constraints on their origin, and their tectonic associations. PREREQ: GO 221, COREQ: GO 324.

GO 324 PETROGRAPHY (0-3-1)(S). A systematic study of igneous, sedimentary, and metamorphic rocks in hand specimen and thin section. The polarizing microscope is used extensively. The origins and histories of representative specimens are interpreted through examination of their mineral assemblages, textures, fabrics and alteration. PREREQ: GO 221, 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 hardpart morphology, ontogeny, phylogeny and taxonomy of geologically important groups. Laboratory work based on standard collections. Special project. PREREQ: GO 101.

GO 403-403G ENGINEERING GEOLOGY (3-3-3)(Field trip required). Introduction to soil and rock mechanics. Slope stability analysis. Surface and subsurface exploration of sites. Geological and geophysical considerations for construction projects. Current applications of geology to engineering projects. Alternate years. PREREQ: GO 280, PH 102 or PH 211, GO 323 or PERM/INST.

GO 412-412G HYDROGEOLOGY (3-0-3)(F)(Field trip required). The study of subsurface water and its relationship to surface water, the hydrologic cycle and the physical properties of aquifers. Flow nets are drawn through porous and fractured media. Methods of determination of aquifer characteristics and performance, and groundwater modeling. PREREQ: GO 310, 314.

GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F)(Alternate years)(Field trip required). A study of the geometric properties of deformed rocks, their measurement and analysis. Course will emphasize structural analysis of folded and faulted terrains and metamorphic tectonics, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of tectonic styles of deformation of different geologic provinces throughout North America. PREREQ: GO 314.
GO 421 ORE DEPOSITS (2-3-3)(F)(Field trips required). Genesis, structure, association 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 exploring for and developing mineral deposits. The philosophy and methodology of systematically gathering, evaluating, and presenting data pertinent to exploration and development is discussed. Field trips required.

GO 431-431G PETROLEUM GEOLOGY (2-3-3)(F)(Field trips)(Alternate years). A study of the nature and origin of petroleum, the geologic conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. PREREQ: GO 311, 314.

GO 450-450G GEOLOGY OF NATIONAL PARKS (3-0-3)(S). A systematic study of geologic materials, structures, processes, and landforms in the National Parks. The course is structured by geological regions and emphasizes geological knowledge as a key to greater appreciation and understanding of these scenic areas. PREREQ: GO 103. (Offered odd years.)

GO 460-460G VOLCANOLOGY (2-2-2)(F)(Field trip)(Alternate 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 vent structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcanic-geographic relationships are emphasized. An independent project pertaining to volcanoes or volcanic rocks will be required of all students taking the course for graduate credit. PREREQ: GO 323.

GO 471-471G 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 (0-0-4)(SU). The study of geology in its natural environment, the field. Emphasis is upon geologic mapping, the collection, plotting and analysis of data to solve geologic field problems, mapping on aerial photographs and topographic base. Student should expect to be in the field 6-10 hours per day, 6 days per week for 4 weeks. Students working toward a professional degree in geology (Bachelor of Science) at BSU must take COREQ: GO 483.

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

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

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

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, GO 101.


GP 410-410G EXPLORATION WELL LOGGING (2-3-3)(F). Fundamentals of geophysical and geological well logging applied to petroleum, mineral, and groundwater exploration, and engineering site evaluation. Conventional interpretation of logs in sedimentary sections; special consideration for logs in igneous, metamorphic, and fresh-water sections. Lithologic description, natural gamma-ray, temperature, density, resistivity, and sonic logging. Integration of well logging, seismic reflection data, and surface geologic maps. Field and laboratory exercises. PREREQ or COREQ: GO 310.


GP 430-430G MATHEMATICAL MODELING IN GEOPHYSICS (3-0-3)(S). Examination of useful mathematical methods in geophysics including statistical analysis of aeromagnetic anomalies, the Dirichlet problem and continuation of potential fields, wave equation migration in reflection seismology, formulation of geotomography in terms of the Radon transform. Emphasis is on problem solving and the development of skills in applied mathematics. PREREQ: M 331.

GS GENERAL SCIENCE

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

Department of Mathematics

Math-Geology Bldg., Rm. 202 Telephone (208) 385-1172

Chairperson and Associate Professor: Stephen Grantham; Professors: R. Anderson, Eastman, Hausmath, Hughes, Juola, Kerr, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; Associate Professors: Ayers, Ferguson, Griffin, Kenny; Assistant Professors: M. Anderson, Bartoszynski, Feldman, Jarratt, Scheepers.

Degrees Offered

- BS in Computer Science
- BA or BS in Mathematics
- BA or BS in Mathematics, Secondary Education option
- MS in Education, Mathematics emphasis: see Graduate College for further details.

Degree Requirements

Department of Mathematics

Bachelor of Science Degree

1. General University Requirements for BS degree.
2. Required BSU Computer Science courses (35 credits):
   a. Intro to Computer Science I CS 125 .................................................. 3
   b. Intro to Computer Science II CS 127 .................................................. 4
   c. Low-Level Programming CS 223 .................................................. 4
   d. Programming in 'C' in UNIX Environment CS 227 ................. 4

   Department of Mathematics
4. Required Mathematics courses (25-27 credits):
   a. Calculus M 204, 205, 206 ..........................• : .• :.' .'.4-5
   b. Discrete & Found Math M 156 ................. 3
   c. Linear Algebra M 301 .............................. 3
   d. Intro to Statistics M 361 or
      Probability & Statistics M 431, 432 ........... 6
   e. Foundations of Analysis M 314 ................... 3
   f. Foundations of Geometry M 311 .................. 3
   g. Statistics M 361 or both M 431, 432 .......... 4-6
   h. Mathematical Modeling M 464 .................... 3
   i. Mathematics in Secondary Schools M 490 ....... 3
   j. One of the following sequences:
      a. Intro to Computer Science I CS 125 .......... 3
      b. Calculus through M 206 or M 212 .......... 13-10
      c. Linear Algebra M 301 .......................... 4
      d. At least one of
         1) Intro to Abstract Algebra M 302 ........... 3
         2) Number Theory M 306 ........................ 3
         e. Foundations of Geometry M 311 ............... 3
         f. Foundations of Analysis M 314 ............... 3
         g. Statistics M 361 or both M 431, 432 ........ 4-6
         h. Mathematical Modeling M 464 ................. 3
         i. Mathematics in Secondary Schools M 490 ....... 3
3. Either 45 semester hours of Mathematics or 30 semester hours of
   Mathematics and an approved minor-certification area outside of
   Mathematics. (See page 127.)

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

4. Education Requirements—26-32 credits. See “Certification Re-
quirements and Endorsements for Secondary Education”. (Page 125.)
NOTE: Completion of all requirements for graduation with a secondary education op-
tion may require more than 128 credit hours. See Department of Teacher Education listing
for more information.

MATHEMATICS MINOR
Calculus & Analytic Geom M 204, 205, 206 .................. 13
or
Accelerated Calculus M 211, 212 ................................ 10
At least 9 credits in upper division mathematics (M prefix except
for M 493 and 496) including at least one of the following. ... 9
Intro Abstract Algebra M 302 .............................. 3
Number Theory M 306 ...................................... 3
Foundations of Geometry M 311 .......................... 3
Foundations of Analysis M 314 ............................ 3
Advanced Calculus M 401 .................................... 3
Abstract Algebra M 441 ..................................... 3
TOTAL 19-22

MATHEMATICS TEACHING MINOR
Computer Science CS 122 or CS 125 ......................... 2-3
Calculus M 204 or M 211 .................................. 5
Calculus M 205 or M 212 .................................. 4-5
At least 1 of the following: ................................ 3-4
Linear Algebra M 301 ...................................... 3
Introduction to Abstract Algebra M 302 .................. 3
Foundations of Geometry M 311 .......................... 3
Fundamentals of Statistics M 361 ........................ 4
Electives to complete 20 hours .......................... 3-6
TOTAL 20

Suggested Programs
NOTE: These are only suggested programs. Not all courses are required.

COMPUTER SCIENCE
This option is aimed at preparing students to apply their computer and
mathematics training to problem analysis and to the design, testing,
debugging and documentation of software systems.

FRESHMAN YEAR

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<tr>
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<th>1st SEM</th>
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<tr>
<td>English Composition E 101, 102 or E 111, 112</td>
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<td>Intro Computer Science I CS 125</td>
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<tr>
<td>Intro Computer Science II CS 127</td>
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<tr>
<td>Discrete &amp; Found Math M 156</td>
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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.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Calculus M 204</td>
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<td>College Chemistry &amp; Labs C 131-132</td>
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**SOPHOMORE YEAR**

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<tr>
<td>Calculus M 205, 206</td>
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<tr>
<td>Low-Level Programming CS 223</td>
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<tr>
<td>Program in 'C' in UNIX Environment CS 227</td>
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<tr>
<td>Mechanics, Waves &amp; Heat, PH 211, 212</td>
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<td>Electricity, Magnetism &amp; Optics PH 213, 214</td>
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<td>Digital Computer Fund &amp; Lab XS 340, 344</td>
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**JUNIOR YEAR**

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<tr>
<td>Discrete Mathematical Structures M 356</td>
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<tr>
<td>Linear Algebra M 301</td>
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<td>4</td>
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<tr>
<td>Operating Systems CS 353</td>
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<tr>
<td>Data Structures CS 358</td>
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<td>Programming Languages CS 354</td>
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<td>Intro Computer Graphics CS 341</td>
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<td>Computer Organization XS 441</td>
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**SENIOR YEAR**

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<td>Theory of Computation CS 461</td>
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<tr>
<td>Fund of Statistics M 361</td>
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<td>Systems Programming CS 451</td>
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<td>Software Design &amp; Implementation CS 471</td>
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<td>Database Theory CS 410</td>
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**MATHEMATICS MAJOR**

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**SOPHOMORE YEAR**

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<td>Linear Algebra M 301</td>
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<td>Number Theory M 306</td>
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<tr>
<td>Intro to Abstract Algebra M 302</td>
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<td>Mechanics, Wave and Heat, PH 211, 212</td>
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<td>Elec, Magnetism and Optics, PH 213, 214</td>
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**JUNIOR YEAR**

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<tr>
<td>Foundations of Analysis M 314</td>
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<td>Foundations of Geometry M 311</td>
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<td>Differential Equations M 331</td>
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<td>Fourier Series &amp; Boundary Value Prob M 421</td>
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**SENIOR YEAR**

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<td>Probability &amp; Statistics M 431, 432</td>
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<td>Numerical Analysis M 434</td>
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<td>Linear Programming M 456</td>
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<td>Senior Seminar M 498</td>
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**MATHEMATICS, SECONDARY EDUCATION**

Course Offerings

See page 20 for definition of course numbering system.

Upper-division courses are frequently offered nights and summers — students should consult the department the preceding August to request a spring-semester night upper-division class, the preceding October to request a summer upper-division class, and the preceding December to request a fall-semester night upper-division class.

Availability of courses depends on enrollment: courses may be offered, but not taught if the enrollment is insufficient. Summer classes are especially uncertain in this regard.

**CS COMPUTER SCIENCE**

**Lower Division**

CS 109 INTRODUCTION TO COMPUTERS (3-1-4)(S). The potential and limitations of computers, and their impact on society. The course includes an introduction to computers and programming. Designed for non-science majors. PREREQ: Satisfactory score on mathematics placement examination.

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 mathematics placement examination.

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 INTRODUCTION TO COMPUTER SCIENCE I (3-0-3)(F,S). Basic concepts of computer systems, problem solving and algorithm development, program structures, data types, data and procedure abstractions, and program development. PREREQ: M 111 or M 106 or PERM/INST.

CS 127 INTRODUCTION TO COMPUTER SCIENCE II (4-0-4)(F,S). Programming methodology (specification, design, coding, and corrections), the implementation of abstract data types, recursive and dynamic data structures, searching and sorting. PREREQ: CS 125 or PERM/INST.

CS 223 LOW-LEVEL PROGRAMMING (3-0-3). An introduction to low-level programming. Data representation, machine instructions, addressing modes, linking, macros, system calls, use and operation of assemblers and basic computer architecture. PREREQ: CS 127 or PERM/INST.

CS 227 PROGRAMMING IN 'C' IN THE UNIX ENVIRONMENT (4-0-4)(S). Students will learn the ‘C’ programming language on the University's UNIX-based computers. They will learn how to use UNIX and some of the development tools available under the UNIX operating system. PREREQ: CS 127 or PERM/INST.
Upper Division

CS 341 INTRODUCTION TO COMPUTER GRAPHICS (3-0-3)(S). The mathematics and programming techniques of computer graphics, including line drawing, presentation graphics, two- and three-dimensional transformations, hidden line and surface removal, clipping. PREREQ: M 206 or M 212 and CS 125.

CS 353 OPERATING SYSTEMS (3-0-3)(F). File systems and buffer caching algorithms. Memory management. Process structure, control and scheduling algorithms. Interprocess communication techniques. PREREQ: CS 223 or PERM/INST.

CS 354 PROGRAMMING LANGUAGES (4-0-4)(F). A comparison of current languages (such as FORTRAN, ICON, LISP, ADA), their programming and design. Syntax and semantics. Information binding, strings, arithmetic, input/output. Recursion, extensibility. PREREQ: CS 127 or PERM/INST.

CS 358 DATA STRUCTURES (4-0-4)(S). 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 127 and M 156 or PERM/INST.

CS 410 DATABASE THEORY (4-0-4)(S). A study of the theoretical foundations of database management systems. Design and implementation of alternatives for various database models, including, but not limited to, hierarchical, network and relational models. Comparison of the reliability, security and integrity of various database systems. Implementation of a simple system. PREREQ: CS 358 or PERM/INST.

CS 426 LINEAR SYSTEMS AND SIGNAL PROCESSING (4-0-4)(F). 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 461 INTRODUCTION TO THE THEORY OF COMPUTATION (3-0-3)(F). Grammars, automata, Turing machines, decidability and complexity, language hierarchies, normal forms, NP completeness, and reducibilities. Applications will be drawn from various areas of Computer Science. PREREQ: CS 358 or PERM/INST.

CS 471 SOFTWARE DESIGN AND IMPLEMENTATION (3-0-3)(S). A formal study of software design specification and verification processes. Students will implement a project. PREREQ: CS 451 or PERM/INST.

M MATHEMATICS

Lower Division

M 012 ARITHMETIC REVIEW (2-0-0)(F,S). A review course for those who have forgotten how to add, subtract, multiply, and divide using whole numbers, fractions, decimals, percents and signed numbers. Applications include measures of weight, area and volume.

M 020 ELEMENTARY ALGEBRA (3-0-0). A refresher course covering fundamental operations, linear equations and inequalities, exponents, polynomials, factoring, rational expressions. Designed to bring the student to the level of proficiency required for M 100, 103, 105, 108 or CS 122. PREREQ: Satisfactory score on mathematics placement examination.

M 100 MATHEMATICS FOR LIBERAL ARTS STUDENTS (4-0-4)(F,S,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: Satisfactory score on mathematics placement examination.

M 103 STRUCTURE OF ARITHMETIC FOR TEACHERS (3-2-4)(F,S). The study of number systems from the whole numbers through the reals: numeration, number operations, algorithms, and properties. The course includes a two-hour laboratory each week which makes use of physical models appropriate to the content of the course. PREREQ: High school geometry and a satisfactory score on the mathematics placement exam.

M 104 GEOMETRY AND PROBABILITY FOR TEACHERS (3-2-4)(F,S). Probability, geometric concepts and principles, measurement, and topics selected from graphing or computing. The course includes a two-hour laboratory each week. PREREQ: M 103.

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 mathematics placement examination.


M 108 INTERMEDIATE ALGEBRA (4-0-4). Intermediate algebra with plane trigonometry. PREREQ: Satisfactory score on mathematics placement examination.

M 111 ALGEBRA AND TRIGONOMETRY (3-0-5)(Area III). Equations and inequalities, systems of linear equations or inequalities, functions and their inverses, exponential and logarithmic functions, graphing, sequences, mathematical induction, binomial theorem, basic theory of equations, trigonometry of triangles, circular functions, inverse trigonometric functions, trigonometric identities, solution to trigonometric equations, and De Moivre's theorem. PREREQ: Satisfactory score on mathematics placement examination.

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

M 156 DISCRETE AND FOUNDATIONAL MATHEMATICS (4-0-4)(F,S). Designed to prepare the student for both computer science and upper division mathematics. Discrete topics include elementary number theory and modular arithmetic, fundamental principles of combinatory enumeration, and basic concepts of graph theory. Foundational topics include propositional and predicate logic, the nature of proof, mathematical induction, functions and relations. PREREQ: M 111 or PERM/INST.


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

Upper Division

M 301 LINEAR ALGEBRA (4-0-4)(F,S). Matrix algebra, determinants, vector spaces and linear transformations. PREREQ: M 206 or 212.

M 302 INTRODUCTION TO ABSTRACT ALGEBRA (3-0-3)(S). Sets, groups, integral domains, rings and fields. PREREQ: M 206 or 212.

M 306 NUMBER THEORY (3-0-3)(S). Primes, congruences, Diophantine equations, residues, quadratic reciprocity and continued fractions. PREREQ: M 205 or 212.

M 311 FOUNDATIONS OF GEOMETRY (3-0-3)(F). 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 and non-Euclidean geometries, topological equivalence of figures, topological and metric spaces and vector spaces. PREREQ: M 205 or M 212. Odd-numbered years.

M 314 FOUNDATIONS OF ANALYSIS (3-0-3)(F). Logic, axiomatics, sequences, foundations of calculus, structure of the real numbers. PREREQ: M 206 or 212.

M 320 VECTOR CALCULUS (2-0-2)(F). 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.

M 331 DIFFERENTIAL EQUATIONS (3-0-3)(F). Theory of ordinary differential equations with applications to the physical sciences and engineering. PREREQ: M 205 or 212.

M 340 NUMERICAL ANALYSIS (4-0-4)(S). The application of numerical methods to the solution of problems of equations, integral equations, approximation of functions, error analysis. PREREQ: M 206 or M 212 and a working knowledge of BASIC, FORTRAN or PASCAL.

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

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

M 401-402 ADVANCED CALCULUS (3-0-4)(F). The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, and infinite series. PREREQ: M 314...
for M 401; M 401 for M 402. This is a two-semester sequence with M 401 offered in the fall of odd-numbered years, followed by M 402 in the spring of even-numbered years.


M 431-431G PROBABILITY AND STATISTICS (3-0-3)(F). Discrete and continuous random variables, conditional probability, expectation, moment generating functions, central limit theorem. PREREQ: M 206 or M 206.


M 441-442 ABSTRACT ALGEBRA (3-0-3). Group theory, homomorphism theorems, Sylow theorems, ring theory, ideal theory, field theory, field extensions, and Galois groups. PREREQ: M 301, 302 for M 441; M 441 for M 442. This is a two-semester sequence with M 441 offered in the fall of even-numbered years, followed by M 442 in the spring of odd-numbered years.


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

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

Department of Music

Morrison Center, Room C-100 Telephone (208) 385-1771

Chairperson and Professor: Wilber D. Elliott; Associate Chairperson and Associate Professor: Donald Oakes; Professors: Baldwin, Hsu, Parkinson, Shelton; Associate Professors: Baldassarre, Belt, Bratt, C. Elliott, Rozmajzl, Samball, Schroeder; Assistant Professors: Berg, Maynard, Purdy, Thomason, Wells.

Degrees Offered

- BA and BM in Music
- BM in Music Education
- MM in Music Education and Performance/Pedagogy; See Graduate College for further details.

Department Statement

Gifts and Memorials to the Music Department: The Music Department has been the recipient of many fine gifts of instruments, music, scholarship donations; and record collections from friends and supporters of the Department. Several Steinway pianos, including a 7' and 9' grand, are the generous gifts of Mr. and Mrs. William K. Dunkley and Dunkley Music Company of Boise. In the Hemingway Center for Western Studies 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 Hemingway Center for Western Studies. Given as a memorial to her husband by Mrs. Velma Morrison, the Grand Symphony Carillon System chimes the hours and half-hours and daily plays short programs of carillon music.

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

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

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

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

1. The Bachelor of Music Degree is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Music Education.

   a. Major emphasis in Performance or Theory-Composition: designed to train performers, performing artists, teachers, and composers, this program is basic to preparing 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 designed for the student who wants a general Music major program within a broader based liberal arts degree.

Degree Requirements

BACHELOR OF MUSIC PROGRAM

1. General Requirements

   a. All full-time music majors will be required to attend Concert Class during each semester of residency at Boise State University until the required number of semesters of Pass grade in Concert Class has been achieved, as follows: Bachelor of Arts General Music and Music/Business majors and Bachelor of Music Performance and Theory & Composition emphasis majors — 8 semesters, Bachelor of Music Music Education emphasis — 7 semesters (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, the Piano Proficiency Examination before a faculty committee. A grade of C or better in MU 213 will satisfy this requirement. Details are available from the Music Department.

   c. All full-time Bachelor of Music majors who register in a major ensemble (Symphonic Winds, University Orchestra, Meistersingers, University Singers, or for keyboard or guitar majors the appropriate course as specified), each semester until the minimum number of semesters for graduation have been met. Only one major ensemble per semester will be counted toward graduation requirements.

Minimum ensemble requirements:

Performance Majors:

- Keyboard — 8 semesters, 2 may be Accompanying.
- 2 may be Duo-Piano
- Guitar — 8 semesters, 4 may be Guitar Ensemble
- Voice — 8 semesters, 2 may be Opera Workshop
- All Others — 8 semesters

Theory & Composition Majors:

- 8 semesters

Music Education Majors:

- 7 semesters

Additional details are available from the Music Department.

d. The following core of Music courses will be included in all Bachelor of Music curricula:

Concert Class MA 010. 0 (attendance required each semester for full-time student status until minimum number of semesters is met.)

Major Ensemble (see ic above) 7-8

Materials of Music I-IV MU 119*, 120, 219, 220 12

*Students intending to enroll in MU 119 must previously earn a C grade or better in MU 103 or make a satisfactory score on the Theory Placement test. See MU 119 course description.)
### College of Arts and Sciences

#### 4. Music Education Emphasis Minimum Requirements
- **TOTAL:** 38-39
  - e. All Music Education majors in the Bachelor of Music program are required to pass a vocal proficiency exam before their application for student teaching. Successful completion of MU 221 Ear Training III and of the folk/art song singing section of MU 258 Vocal Techniques and Methods will satisfy this requirement. Further details are available from the Music Department.

#### 2. Performance Emphasis Minimum Requirements:
- **a. General University and Basic Core Requirements for Bachelor of Music Degree:** 32
- **b. Music Requirements**
  - (1) Music Core: 39
  - (2) Performance Studies: 30
    - All Performance majors will take 2 credits of Performance Studies the first semester, freshman year, and perform a 4 credit jury prior to enrolling in 4 credit Performance Studies second semester. MC 400 Level Studies: 8 credits minimum.
  - (c) Additional Upper Division Courses: 25-27
    - Ear Training I-IV MU 121, 122, 221, 222
    - Survey of Western Art Music MU 143
  - (d) Elective Credits: 7-15
  - **TOTAL:** 128

#### 3. Theory-Composition Emphasis Minimum Requirements:
- **a. General University and Basic Core Requirements for Bachelor of Music Degree:** 32
- **b. Music Requirements**
  - (1) Music Core: 39
  - (2) Lower Division Performance Studies: 16
    - Performance Major Studies: 8
    - Performance Minor Studies: 8
    - (Piano, unless major instrument is Keyboard)
  - (3) Additional Upper Division Courses: 25-27
    - MC 300 Level Performance Major Studies: 31
    - Keyboard Harmony & Basic Improv MU 313, 314: 4
    - Counterpoint MU 423, 424: 6
    - Advanced Form & Analysis MU 410: 3
    - Choral or Instrum Conducting MU 365, 366: 1
    - Major Instrument Literature MU 457: 2
    - Major Instrument Pedagogy I, II MU 463, 464: 4
  - **Senior Recital MA 446:** 2
  - (c) Elective Credits: 7-15
  - **TOTAL:** 128

#### 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: 38
  - (2) Major Instrument Performance Studies: 14
    - MC 300 Level or above: 4 cr minimum
  - (3) Additional Lower Division Courses: 7
    - Orientation to Music Educ MU 271
    - Instrumental Tech & Meth MU 257, 266
    - Vocal Tech & Meth MU 258
  - (4) Additional Upper Division Courses: 15
    - Band Arranging MU 455
    - Band & Orchestra Mth & Mater MU 387
    - Choral Methods & Mater MU 385
    - Choral & Instr Conducting MU 365, 366
    - Instrumental Tech & Meth MU 368, 369
  - **Teaching Music in the Elem Classrm MU 372:** 2
  - **One-half Senior Recital MA 444:** 1
  - **(5) Education College Requirements:** 26-32
    - General Psychology P 101 (Area II): 3
    - Foundations of Education TE 201 (Area II): 3
    - Education Psychology TE 225: 3
    - Educ Except Secondary Student TE 333: 1
    - Reading in Content Subjects TE 407: 3
    - Secondary School Methods TE 381: 3
    - Secondary Student Teaching: 10-16
  - **Recommended Music Electives:**
    - Functional Piano MU 213
    - Teaching Music in the Elem 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. Specific details are available from the Music Department.
  - **TOTAL:** 129

### 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:** 46
  - Concert Class MA 010 (each semester): 0
  - Performance Studies MC —: 8
  - Ensemble ME —: 4
  - Materials of Music I-IV MU 119, 120, 219, 220: 12
  - Ear Training I-IV MU 121, 122, 221, 222: 4
  - Survey of Western Music MU 143: 3
  - Music History & Literature II and I or III: 6
  - Music Composition MA 410: 8
  - **Senior Recital** or Senior Project: 1
  - Performance, Theory, Music Education, Music History Electives (to support Senior Recital* or Senior Project**): 8
  - (See MA 444 course description for details of the Senior Recital.
  - *An independent study terminal project under faculty supervision and with approval of the Department Chairperson 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 III:**
    - At least one course in Mathematics selected from the following:
      - M 105, 106 Math for Business Decisions: 8
      - M 101, 106 Math for Business Decisions: 4
  - **3. Minimum Music Requirements:**
    - **Total credits:** 45
      - MA 010 Concert Class (8 semesters of Pass): 0
      - MC —: 8
      - ME —: 4
      - Materials of Music I, II MU 119, 120: 6
      - Ear Training I, II MU 121, 122: 2
      - Survey of Western Music MU 143: 3
      - Music History & Lit I and II, or III: 6
      - Music Composition MA 352 and MU 351 or MU 353: 6
      - **Senior Project** or **Senior Project**: 3
      - Music Electives (upper division): 13
  - **4. Business Courses:**
    - (a maximum of 33 credits in Business courses allowed): 24-33
  - **5. Required Courses:**
    - Intro Financial Accounting AC 205: 3
    - Intro Managerial Accounting AC 206: 3
    - Introduction to Business GB 101: 3
    - Legal Environment of Business GB 202: 3
    - Appl of Computer Information Systems IS 101: 3
    - Management & Organizational Theory MG 301: 3
    - Salesmanship MM 101: 3
    - Principles of Advertising MM 203: 3
6. Additional courses-electives
(up to 9 credits may be chosen from the following):
- Principles of Microeconomics EC 205
- Principles of Macroeconomics EC 206
- Intro to Management Information Systems IS 310
- Principles of Marketing MK 301
- Consumer Behavior MK 307

*MUSIC MINOR

Concert Class MA 010 (two semesters) ........................ 0
Materials of Music I & II MU 119, 120 ........................ 6
Ear Training I & II MU 121, 122 .................................. 2
Intro to Music MU 133 (Area I) ................................. 3
Major Performance Studies MC 1-2 .............................. 2
Performance Minor Studies* MC 1-2 .......................... 2
Choral or Inst Conducting MU 365# or 366# .................. 3
Materials of Music II, IV MU 219, 220 ...................... 3
Area I Elective ..................................................... 3
Area II Electives .................................................. 3

SHOULD BE SELECTED FROM THE FOLLOWING:
- Ear Training I, II MU 121, 122
- Materials of Music I, II MU 119, 120
- Ear Training I, II MU 121, 122
- Survey West Art Music MU 143 (Area I)
- Area I Elective
- Area II Electives
- Area II History

Graduate Work: Master of Music, Music Education Emphasis or Performance/Pedagogy Emphasis. Details may be found in the Graduate College Section of this Catalog.

Recommended Programs

PERFORMANCE EMPHASIS MAJORS

<table>
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<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tr>
<td>English Composition E 101, 102</td>
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<td>Concert Class MA 010</td>
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SOPHOMORE YEAR

| Concert Class MA 010 | 0 | 0 |
| Performance Major MC 2-4 | 4 | 4 |
| Major Ensemble ME 1 | 1 | 1 |
| Materials of Music III, IV MU 219, 220 | 3 | 3 |
| Basic Conducting MU 261 | 3 | 1 |
| Basic Form & Analysis MU 223 | 3 | 1 |
| Area I Literature | 3 | - |
| Area I Elective | 3 | 3 |
| Area II Electives | 3 | 3 |
| TOTAL | 15 | 16 |

JUNIOR YEAR

| Concert Class MA 010 | 0 | 0 |
| Performance Major MC 3-4 | 4 | 4 |
| Major Ensemble ME 3 | 1 | 1 |
| Basic Form & Analysis MU 223 | 2 | - |
| Keybd Harm* or Major Inst Ped I, II** or Elect + | 2 | 2 |
| Counterpoint MU 423 or 424 | 3 | - |
| Music History I MU 353 | 3 | - |
| Area I Elective | 3 | 3 |
| Foreign Language I & II | 4 | 4 |
| TOTAL | 16 | 17 |

SENIOR YEAR

| Concert Class MA 010 | 0 | 0 |
| Performance Major MC 4-4 | 4 | 4 |
| Major Ensemble* ME 3 | 1 | 1 |
| Keybd Harm** or Major Inst Ped I, II** or Elect + | 2 | 2 |
| Music History II, III MU 352, 353 | 3 | 3 |
| Counterpoint MU 423 or 424 | 3 | - |
| Advanced Form and Analysis MU 410 | 2 | - |
| Choral or Inst Conducting MU 365* or 366* | 1 | 1 |
| TOTAL | 17 | 18 |

**THEORY COMPOSITION MAJORS

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<td>Performance Minor Studies MC 1-2</td>
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<td>TOTAL</td>
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</table>

SOPHOMORE YEAR

| Concert Class MA 010 | 0 | 0 |
| Performance Major Studies MC 2-3 | 2 | 2 |
| Major Ensemble ME 3 | 1 | 1 |
| Basic Conducting MU 261 | 1 | 1 |
| Music History I MU 351 | 3 | - |
| Area I Literature | 3 | - |
| Area II Electives | 3 | 3 |
| Area II History | 3 | - |
| TOTAL | 18 | 16 |

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 |
| Basic Form & Analysis MU 223 | 2 | - |
| Instruc Conducting MU 366 | 2 | - |
| Keyboard Harm** MU 313, 314 or Elect | 2 | 2 |
| Music History II, III MU 352, 353 | 3 | 2 |
| Advanced Form & Analysis MU 410 | 3 | 2 |
| Counterpoint MU 423 or 424 | 3 | 2 |
| Band Arranging MU 455 | 2 | - |
| Area I Elective | 3 | - |
| TOTAL | 17 | 16 |

SENIOR YEAR

| Concert Class MA 010 | 0 | 0 |
| Music Composition MA 410 | 2 | 2 |
| Major Ensemble ME 3 | 1 | 1 |
| Keybd Harm** MU 313, 314 or Elect | 2 | 2 |
| Choral Conducting MU 365 | 3 | - |
| Counterpoint MU 423 or 424 | 3 | 2 |
| Composition Recital MU 447 | 3 | 2 |
| Foreign Language | 4 | 4 |
| Electives | 3 | 4 |
| TOTAL | 16 | 15 |

**THEORY COMPOSITION MAJORS

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<tr>
<td>Piano Class* MA 150</td>
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<tr>
<td>Private Lessons MC 1-2</td>
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MUSIC EDUCATION EMPHASIS MAJORS

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</tr>
<tr>
<td>Major Ensemble ME 1</td>
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</tbody>
</table>
MA 127 BEGINNING GUITAR CLASS (0-2-1F/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 (0-2-1F/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 (0-1-1F/S). Each semester. Maximum 2 credits allowed.

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

### Upper Division

MA 307 RECORDER CLASS (1-0-1F/S). The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The classes will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or PERM/INST.

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

MA 328 JAZZ GUITAR CLASS (0-2-1F/S). A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in jazz is approached within a historical perspective beginning with the 1930’s. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

MA 410 MUSIC COMPOSITION (2-0-2F/S). Instruction and supervised experience in composing for various instruments and voices, individually and in combination, utilizing small and large musical forms. May be repeated for a total of 8 credits. PREREQ: PERM/INST.

MA 444 MUSIC EDUCATION—BACHELOR OF ARTS SENIOR RECITAL (0-1V-1). This course is a one-half recital to be presented as the culminating performance project for music education majors and for bachelor of arts music majors emphasizing performance. PREREQ: 300-level performance ability and PERM/INST. Graded pass/fail.

MA 445 RECITAL (0-1V-2). Music Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. PERM/INST/CHAIR.

MA 446 SENIOR PERFORMANCE RECITAL (0-1V-2). This course is a full recital to be presented as the culminating project for performance emphasis majors within the Bachelor of Music program. PREREQ: 400-level performance ability and PERM/INST. Graded pass/fail.

MA 447 SENIOR COMPOSITION RECITAL (0-1V-2). A recital for the performance of original compositions by the Theory-Composition major. Students must make their own arrangements with personnel required for the recital. Required of Theory-Composition majors. PREREQ: Major in Theory-Composition and PERM/INST. Graded pass/fail.

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES (These courses carry an extra fee. For details see schedule of fees elsewhere in this Catalog.) Students enrolling in private lesson (MC) studies must secure the consent of the instructor prior to registration.

Generally, all entering freshmen will enroll in 10D-level studies; non-music majors will enroll initially in 10D-level studies. Before permission is granted to any student to enroll in the next higher level, the student must perform before a faculty jury toward the determination of appropriate level placement. Juries are held at the end of each semester. Music majors are required to perform on their major instrument before a faculty jury each semester. Details in performance level requirements for each instrument and voice are available from the Music Department office. All MC undergraduate courses may be repeated for credit (no limit). Students transferring into the Music Department as Music majors from another, institution or from any other department within BSU must complete a performance examination for placement in the appropriate performance level.

### Private Lesson Performance Studies Course Numbering System:

The three-digit course number carries the following information: first digit (1-2-3) = performance level; second digit = instrumental family (0: woodwinds, 1: brass, 2: percussion, 3: voice, 4: keyboard, 5: fretted string instruments); third digit = bowed string instruments; 0: keyboard or fretted string instruments; 1: bowed string instruments; 2: A: violin, B: viola, C: cello, D: string bass. The class schedule printed prior to each semester lists particular studio courses available for the semester.
Major area minimum practice requirements: For 4 hrs. credit—18 hrs. practice per week. For 2 hrs. credit—12 hrs. practice per week.

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

ME 101, 301 UNIVERSITY SINGERS (0-2-1)(F/S). A general chorus open to all university students. No audition is necessary. Major choral works from all periods will be sung. Public performances will be expected each semester. (PREREQ: PERMISSION OF INSTRUCTOR)

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. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 111, 311 VOCAL JAZZ CHOIR (0-2-1)(F/S). Designed to promote participation in and repertoire knowledge of literature for vocal jazz choirs. Public performance given each semester. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 115, 315 OPERA THEATRE (0-5-1). A course in the study and production of operas. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 120, 320 SYMPHONIC WINDS (0-5-1)(F/S). An elective open to all students. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 121, 122 MARCHING BAND (0-1-4)(F). Designed to promote participation in and repertoire knowledge of literature for marching bands. The marching band performs at home and at least one away football game and occasionally at other university or civic events. Open to all students with the approval of the director. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the band and/or its organization. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 125, 325 BRASS ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small brass ensembles. A public performance is required each semester. (PREREQ: PERMISSION OF INSTRUCTOR)

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. (PREREQ: PERMISSION OF INSTRUCTOR)

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. (PREREQ: PERMISSION OF INSTRUCTOR)

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. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 150, 350-350G 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. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the orchestra and/or its organization. Audition is required for new students. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 160, 360 STRING ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small string ensembles. A public performance is required each semester. (PREREQ: PERMISSION OF INSTRUCTOR)

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 guitarists. (PREREQ: PERMISSION OF INSTRUCTOR)

ME 180, 380 ACCOMPANYING (0-2-1)(F/S). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. (PREREQ: PERMISSION OF INSTRUCTOR)

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. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 103 ELEMENTS OF MUSIC (2-0-2)(F/S). Intended primarily for music majors, this course is open to anyone interested in acquiring knowledge in or upgrading their understanding of fundamentals of music: notation, scales, intervals, rhythmic patterns, etc. The course is designed for students aspiring to be music majors but lacking the necessary fundamentals background. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 119 MATERIALS OF MUSIC I (3-0-3)(F/S). Fundamentals review; notation, intervals, scales and modes, triads, key signatures, etc. Melody, cadences. Emphasis is on aural and visual recognition, analysis and compositional skills involving the above. (PREREQ: Piano proficiency to play simple melodies and harmonies, or concurrent enrollment in piano study, or PERMISSION OF INSTRUCTOR)

MU 120, 320 MATERIALS OF MUSIC II (3-0-3)(F/S). 4-voice textures (linear & vertical); homophony; diatonic chords and harmonic relationships; cadences; inversions; dominant sevenths; aural and visual analysis; compositional skills. PREREQ: MU 119 or equivalent and piano as per MU 119

MU 121, 122 EAR TRAINING I-II (0-2-1)(F/S). Designed to correlate with Materials I and II. Emphasizes aural training in scales, intervals and rhythms. Includes drill in solfeggio and sight singing leading to aural recognition of 3 and 4 part harmonies. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 133 INTRODUCTION TO MUSIC (2-0-2)(AREA I). Open to all students, with no background assumed, this course will familiarize the listener with the variety of styles and genres of Western concert music through an historical approach. Attendance at at least two approved live concerts/recitals is required. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 143 SURVEY OF WESTERN ART MUSIC (3-0-3)(F/S)(AREA I Core). A preliminary course designed to acquaint the student with music history, (from the Middle Ages to the present), literature, notation, materials, library and listening skills, and concert behaviors. Though open to all students with a serious interest in music, the course presupposes the student has a basic background in music. Attendance at at least four approved concerts/recitals is required. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 147 SURVEY OF OPERA AND MUSIC THEATRE (0-2-1)(F). An historical survey of the development and growth of opera and music theatre through chronological study of scores, recordings, sound filmstrips, and library material resources. This course is designed to acquaint the student with music history, (from the Middle Ages to the present), literature, notation, materials, library and listening skills, and concert behaviors. Though open to all students with a serious interest in music, the course presupposes the student has a basic background in music. Attendance at at least four approved concerts/recitals is required. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 201 MUSIC FUNDAMENTALS I (3-0-3)(F). Primarily for Elementary Education students, but open to all non-music majors. Learning to read music through study of music notation symbols. Study of all scales and keys, major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 213 FUNCTIONAL PIANO (2-0-2)(F/S). Building of basic keyboard skills needed for music education majors in areas of sight reading, transposition, harmonization, improvisation, and repertoire materials; piano music and 2-4 line scores will be used. May be repeated once for credit. (PREREQ: MU 120 and one year of piano study)

MU 219 MATERIALS OF MUSIC III (3-0-3)(F/S). Continuation of 4-part textures. Diatonic sevenths; secondary dominants and introduction to altered chords, augmented sixth and neapolitan chords; modulations; compositional skills involving the above. (PREREQ: MU 120 or equivalent and piano as per MU 119)

MU 220 MATERIALS OF MUSIC IV (3-0-3)(F/S). Continuation of 4-part textures. Elementary chord structures; 2-4 line scores; piano music and 2-4 line scores will be used. May be repeated once for credit. (PREREQ: MU 120 or equivalent and piano as per MU 119)

MU 221, 222 EAR TRAINING III-IV (0-2-1)(F/S). Continuation of Ear Training I-II: solfeggio, dictation of more advanced rhythms, 2, 3 and 4 parts. Student expected to play at keyboard simpler forms of basic chords in 4-part harmony. (PREREQ: MU 120 or equivalent and piano as per MU 119)

MU 223 BASIX FORM AND ANALYSIS (2-0-2)(F/S). A study of the basic and elementary formal structures of music from both design and harmonic structure viewpoints. Analysis of the motif, phrase, period, and simpler binary and ternary forms. Overview of an larger common forms: sonata, variation, rondo, etc. (PREREQ: MU 120 or equivalent and piano as per MU 119)

MU 256 VOCAL TECHNIQUES AND METHODS (1-2-2)(F/S). Designed for the music education major, this course deals with teaching skills to help develop the vocal potentials of young students, describing basic physical components of the voice and their coordination, understanding the young and "changing" voice, and learning phonetic components of Italian, Latin, and German. (PREREQ: PERMISSION OF INSTRUCTOR)

MU 257 STRING INSTRUMENT TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials
of string-class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello and string bass.

MU 261 BASIC CONDUCTING (0-2-1) (F/S). Fundamental techniques of conducting: baton fundamentals, group rehearsal techniques, and simple score reading.

MU 266 WOODWIND TECHNIQUES AND METHODS (1-2-2) (F). Primarily for music education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.

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

Upper Division

MU 313, 314 KEYBOARD HARMONY AND BASIC IMPROVISATION (2-0-2) (F/S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. PREREQ: MU 120-122 and a grade of C or better in MU 213 Functional Piano, OR Piano Proficiency passed, OR 200-level private piano study.

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

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

MU 351 MUSIC HISTORY AND LITERATURE I (3-0-3) (S). Study of the development of Western art music from ancient times to the Baroque era. Consideration of music from these periods as artistic entities, their relationships to their contemporary societies, and as foundations for subsequent expressions. PREREQ: MU 120 or 143 or PERM/INST.

MU 352 MUSIC HISTORY AND LITERATURE II (3-0-3) (F). Encompasses the periods from the mid-Baroque through the early 19th century. Attention to the changes in music forms and genres through listening, score-reading, analysis and discussion. PREREQ: MU 351, MU 220 or PERM/INST.

MU 353 MUSIC HISTORY AND LITERATURE III (3-0-3) (S). Encompasses the music of the mid-19th century to the present. Attention to the changes in musical styles and aesthetics through listening, score-reading, analysis and discussion. PREREQ: MU 352 or PERM/INST.

MU 365 CHORAL CONDUCTING (0-2-1) (F). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. PREREQ: MU 261 or PERM/INST.

MU 366 INSTRUMENTAL CONDUCTING (0-2-1) (S). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. PREREQ: MU 261.

MU 368 PERCUSSION TECHNIQUES AND METHODS (1-2-2) (S). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with a basic percussion technique on two or more of the brass instruments.

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 on accompaniment skills, chord, form, melody, proper hand position and note-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 201 or equivalent.

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

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

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

MU 410, 410G ADVANCED FORM AND ANALYSIS (2-0-2) (F/S). Analysis of harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 223 or equivalent or PERM/INST.

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

MU 424, 424G COUNTERPOINT SINCE 1600 (3-0-3) (F). Study and writing in contrapuntal styles from Baroque Period to present day. Invertible counterpoint, canon, fugue, invention, guitar literature, Section 3 vocal literature. PREREQ: Upper Division standing in performance.

MU 455 BAND ARRANGING (2-0-2) (F). Required of majors in music education and in theory and composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. PREREQ: MU 220.

MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR) (2-0-2) (F). 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. Even numbered years with MU 457.

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

MU 465-465G DICTION FOR SINGERS I (2-0-2) (F). A course designed for singers, devoted to the understanding of the IPA (International Phonetic Alphabet) system and the tone production in Italian, German, French and English languages. Graduates will additinally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Even-numbered years. PREREQ: 1 year of private studio voice.

MU 466-466G DICTION FOR SINGERS II (2-0-2) (S). A continuation of MU 465 Diction for Singers I, with emphasis on German, French and English languages. Graduate students will additionally transcribe an entire song cycle of the songs of a proposed graduation recital. Strongly recommended for all voice majors. Even-numbered years. PREREQ: MU 465 or PERM/INST.

MU 498 MUSIC SEMINAR (2-0-2) (S). A seminar project under faculty direction. PREREQ: Senior standing.

Department of Philosophy

Library, Room 206
Telephone (208) 385-3304

Chairperson and Professor: Alan Brinton; Associate Professors: Harrison, Schoeding; Special Lecturer: DiPietro.

Degrees Offered

• BA in Philosophy

Department Statement

Philosophy involves a reasoned attempt to answer questions which arise from reflection on basic concepts and assumptions about the world and our experience of it. Some of these questions are of obvious practical importance, for example "How should moral decisions be made?" Others are more abstract, for example "What is the nature of knowledge (or reality, or goodness)"? Serious philosophical inquiry into such questions is typically grounded in careful study of the efforts of earlier thinkers; thus, an important aspect of the major is the study of the history of philosophy.

The undergraduate major in philosophy does not in itself prepare the student for a specific vocation. For students who aspire to academic careers in philosophy, the major provides the basis for graduate work in the field. For other students, it develops intellectual skills useful in life and in other fields of advanced study such as law, religion, and public affairs.
Degree Requirements

PHILOSOPHY MAJOR
Bachelor of Arts Degree

The program requirements for a major in Philosophy, in addition to the necessary requirements to obtain a Bachelor of Arts degree from Boise State, consist of 30 hours of Philosophy credit, 24 of which are 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

PHILOSOPHY MINOR

Intro Philosophy PY 101 ........................................... 3
Intro Logic PY 121 .................................................. 3
Ethics PY 211 .......................................................... 3
Philosophy Electives (NOT PY 489) .................................. 9

TOTAL ................................................................. 18

Course Offerings

See page 20 for definition of course numbering system

PY PHILOSOPHY

Lower Division

PY 101 INTRODUCTION TO PHILOSOPHY (3-0-3)(F/S)(AREA I), A general introduction to some basic philosophical problems and concepts, with attention to selected major philosophers and with an emphasis on philosophical method.

PY 121 INTRODUCTION TO LOGIC (3-0-3)(F/S)(AREA I), A study of the concepts and methods used in the analysis and evaluation of arguments, with emphasis on the structure of arguments.

PY 211 ETHICS (3-0-3)(S), An investigation of the validity of moral claims, the use of moral language, and the evaluation of classical efforts, e.g., utilitarianism, to provide a test of moral rightness.

PY 231 PHILOSOPHY OF RELIGION (3-0-3)(F), An introduction to basic philosophical issues connected with religious belief, such as the nature and existence of God, the problem of evil, miracles, and the significance of religious experience. Alternate years.

Upper Division

PY 305 ANCIENT PHILOSOPHY (3-0-3)(F), An introduction to the origins of Western philosophy in the ancient world, with emphasis on Plato and Aristotle. PREREQ: PY 101. Alternate years.

PY 307 MEDIEVAL PHILOSOPHY (3-0-3)(S), A survey of major developments in Western philosophy from St. Augustine through William of Ockham, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 309 MODERN PHILOSOPHY (3-0-3)(F), A survey of developments in Western philosophy from Descartes through Kant, with emphasis on selected figures. PREREQ: PY 101. Alternate years.

PY 313 TWENTIETH CENTURY ANALYTIC PHILOSOPHY (3-0-3)(F), A critical examination of the development of the analytic method in Anglo-American philosophy since 1900, with attention to selected figures such as Russell, Moore, Wittgenstein, and Austin. PREREQ: PY 101. Alternate years.

PY 315 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3)(S), An exploration of the nature of conscious experience and the place of dread and choice in human existence, with emphasis on selected figures in the tradition of European philosophy established by Kierkegaard and Husserl. PREREQ: PY 101. Alternate years.

PY 333 METAPHYSICS (3-0-3)(F), An investigation of basic problems about the nature of reality. Possible topics include personal identity, the nature of mind, freedom and determinism, and the problem of universals. PREREQ: PY 101.

PY 335 EPistemology (3-0-3)(S), An investigation of basic problems concerning knowledge and the justification of belief. Possible topics include attempts to define knowledge and related concepts, the problem of skepticism, and the problem of other minds. PREREQ: PY 101. Alternate years.

PY 337 AESTHETICS (3-0-3)(S), A course in the philosophy of the fine arts covering such topics as the existence and nature of works of art, aesthetic experience, artistic creativity, the species of aesthetic value, and the nature of beauty. Alternate years.

PY 404 SYMBOLIC LOGIC (3-0-3)(S), A study of techniques of validation in the propositional calculus and the predicate calculus, with emphasis on the construction of formal proofs. Some attention will be given to metalogical notions such as consistency of completeness. PREREQ: PY 121. Alternate years.

PY 406 PHILOSOPHY OF SCIENCE (3-0-3)(F), A study of philosophical issues raised by reflection on the nature of science and the results of scientific inquiry. PREREQ: PY 101 or 121. Alternate years.

PY 408 PHILOSOPHY OF LANGUAGE (3-0-3)(F), 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), An examination of various solutions to the mind/body problem, the problem of other minds as well as related mental concepts. Problems of action theory may be explored. PREREQ: PY 101. Offered on demand.

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

PY 442 WESTERN POLITICAL THEORY PART II (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 Physics

Science-Nursing Bldg., Rm. 318

Degrees Offered

• BS in Physics
• BS in Physics, Secondary Education

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.

Liberal Arts Option

1. General University and BS Degree Requirements.......................... 30
2. Major Requirements ....................................................... 98

A. Physics ............................................................... 56
Mechanics, Waves and Heat PH 211 ................................ 4
Mechanics, Waves and Heat Lab PH 212 .............................. 1
Electricity, Magnetism & Optics PH 213 .............................. 4
Electricity, Magnetism & Optics Lab PH 214 ............................ 1
Intermediate Applied Programming PH 225 ....................... 2
Analog Electronics PH 301 ................................................ 4
Transducers PH 304 ....................................................... 3
Intro Modern Physics PH 309 .......................................... 3
Intro Modern Physics Lab PH 310 .................................... 1
Modern Physics PH 311, 312 ......................................... 6
Optics PH 332, 333 ...................................................... 6
Optics Lab PH 334, 335 ................................................. 4
Mechanics PH 341 .......................................................... 4
Electricity & Magnetism PH 381, 382 ................................. 6
Advanced Topics PH 422 ............................................... 3
Thermal Physics PH 432 .................................................. 3
Senior Lab PH 481 ........................................................ 3
Seminar PH 499 .......................................................... 1

B. Math ................................................................. 20
1. Calculus Sequence M 204, 205, 206 ................................ 13
2. Differential Equations M 331 ....................................... 3
3. A choice of one or more of the following for at least 4 credit hours:
   a. Linear Algebra M 301 .......................... 4
   b. Vector Calculus M 320 ......................... 2
   c. Numerical Analysis M 340 .................... 4
   d. Fundamentals of Statistics M 361 ........... 4
   e. Fourier Series & Boundary Value Problems M 421 .. 3
   f. Probability & Statistics M 431 ............... 3
   g. Linear Systems & Signals Processing CS 426 .... 4

C. Chemistry ..................................... 9

D. Recommended Electives ......................... 13

Secondary Option
1. General University Requirements ................ 30
2. Major Requirements .................................. 78
   A. Physics .................................. 34
      Mechanics, Waves and Heat PH 211 .......... 4
      Mechanics, Waves and Heat Lab PH 212 .... 1
      Electricity, Magnetism & Optics PH 213 ... 4
      Electricity, Magnetism & Optics Lab PH 214 .. 4
      Intro to Descriptive Astronomy PH 105 .... 4
      Intro Modern Physics PH 309 ............... 3
      Intro Modern Physics Lab PH 310 .......... 1
      Modern Physics PH 311, 312 ................ 6
      Optics PH 332, 333 .......................... 6
      Optics Lab PH 334 ................................... 1
      Senior Lab PH 481 ............................ 3
   B. Programming ................................ 2
      Computer Programming course, such as EN 104 or CS 122 ...... 2
   C. Math ........................................... 16
      Calculus Sequence M 204, 205, 206 .......... 13
      Differential Equations M 331 .................. 3
   D. Chemistry C 131, 132, 133, 134 .............. 9
   E. General Zoology Z 130 .......................... 5
   F. General Botany BT 130 .......................... 4
   G. Recommended Electives .......................... 6
   H. Possible Earth Science Elective ................. 4

3. Education Requirements ............................ 26-32
   Intro Sec Teach: Clsrm Obv TE 172 .............. 1
   Foundations of Education TE 201 .................. 3
   Educ Except Secondary Student TE 333 ............ 3
   Educational Technology TE 356 ................... 2
   Educational Psychology TE 225 .......................... 3
   Read in Content Subjects TE 205 .......................... 3
   Secondary School Science Methods TE 384 ............ 3
   Secondary School Methods TE 381 ................... 3
   Secondary School Teaching ........................ 10-16

NOTE: 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.

PHYSICS MINOR
*Mechanics, Waves & Heat PH 211 .................. 4
Mechanics, Waves & Heat Lab PH 212 ............... 1
Electricity, Magnetism & Optics PH 213 ............. 4
Electricity, Magnetism & Optics Lab PH 214 ......... 1
*Modern Physics PH 311, 312 .......................... 6
One of the following ................................ 3-4
*Analog Electronics Lab PH 301 .................... 4
*Intro Modern Physics PH 309, 310 .................. 4
*Optics PH 332, 333, 334 ........................ 7
*Mechanics PH 341 ................................... 4
*Electricity & Magnetism PH 381 .................... 3
*Advanced Topics PH 422 ............................ 3

*Math or other prerequisite. TOTAL ................... 20-21

PHYSICS MAJOR
Bachelor of Science Degree

<table>
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<tr>
<th>FRESHMAN YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tr>
<td>English Composition E 101, 102</td>
<td>3</td>
<td>3</td>
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<tr>
<td>College Chemistry C 131, 132, 133, 134</td>
<td>4</td>
<td>5</td>
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<tr>
<td>Calculus &amp; Analytic Geometry M 204, 205</td>
<td>5</td>
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<tr>
<td>Electives</td>
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PH 207 INTRODUCTION TO BIOPHYSICS (3-3-4(S)). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. PREREQ: M 111 or M 108.

PH 211 MECHANICS, WAVES, AND HEAT (4-1-4(F)) (AREA III). Kinematics, dynamics of particles, statics, momentum, rotational motion, wave motion, heat and thermodynamics. PREREQ: M 204. COREQ: PH 212. Must be concurrently taken or have taken M 205.

PH 212 MECHANICS, WAVES, AND HEAT LAB (0-3-1(F)) (AREA III). Lab to be taken with PH 211. Basic experiments in mechanics, wave motion, and heat. COREQ: PH 211.

PH 213 ELECTRICITY, MAGNETISM, AND OPTICS (4-1-4(S)) (AREA III). Coulomb's law, fields, potential, magnetism, induction, simple circuits, geometrical optics, interference, polarization, diffraction, and basic modern physics. PREREQ: PH 211, M 205. COREQ: PH 214.

PH 214 ELECTRICITY, MAGNETISM, AND OPTICS LAB (0-3-1(S)) (AREA III). Lab to be taken concurrently with PH 213. Basic experiments in electricity, magnetism, optics, and modern physics. PREREQ: PH 211. COREQ: PH 213.

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

Upper Division

PH 301 ANALOG ELECTRONICS (2-6-4(S)). An introduction to basic electronic test instrumentation and to some of the more common discrete semiconductor devices and integrated circuits. Included are diodes, silicon control rectifiers, transistors, operational and instrumentation amplifiers, voltage regulators, timers, and analog-to-digital converters. The devices will be utilized in simple electronic circuits for rectification, amplification, waveform creation and other applications. PREREQ: PH 214.

PH 304 TRANSUDERS (1-6-3(S)). An introduction to some common devices used to convert energy forms into electrical signals and their appropriate signal conditioning. Included are photomultiplier tubes, photoconductive cells, photodiodes, phototransistors, linear variable differential transformers, thermocouples, thermistors, Hall Effect devices, strain gauges, piezoresistive elements. The IEEE-488 Bus and BUS Controller will be introduced and used throughout the course for data acquisition from the transducers. PREREQ: PH 225 & PH 301.

PH 309 INTRODUCTORY MODERN PHYSICS (3-0-3(S)). An introduction including wave motion with resonances, the Maxwell distribution, the special theory of relativity, plus atomic, molecular, solid state, nuclear, and elementary particle physics. PREREQ: PH 213, M 206. COREQ: PH 310.

PH 310 INTRODUCTORY MODERN PHYSICS LAB (0-3-1(S)). Lab to be taken concurrently with PH 309. Experiments with resonances and basic modern physics including some computer simulations. PREREQ: PH 213, M 206. COREQ: PH 309.

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 213, M 331. COREQ: PH 213, M 341.

PH 332-333 OPTICS (3-0-3(F-S)). An upper division course in geometrical and physical optics to include basics of electromagnetic theory, optical systems (including stops and pupils, lens aberrations, thick lenses, and fiber optics), polarization, interference, diffraction, Fourier optics, lasers, and holography. PREREQ: PH 213, M 311. COREQ: for PH 332 is PH 334.

PH 334 OPTICS LABORATORY (0-3-1(S)). Laboratory to be taken concurrently with PH 333. Experiments in optics to include optical systems, thick lenses, interference, diffraction, polarization, Fourier optics, image processing, and holography. COREQ: PH 333.

PH 341 MECHANICS (4-0-4(F)) (AREA III). 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 331 and PH 211.

PH 381, 382 ELECTRICITY AND MAGNETISM (3-0-3(F-S)). Electrostatic fields, potential, Gauss' law, solutions of Laplace's equation, electrodynamics of conductors and dielectric materials, vector potentials, Maxwell's equations, and electromagnetic radiation. PREREQ: PH 213, M 331.

PH 422 ADVANCED TOPICS (3-0-3(F-S)). 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 PREREQ: and possible specific courses depending on topic. Offered on demand.

PH 432 THERMAL PHYSICS (3-0-3(S)). Discussion of temperature, work, specific heat and entropy. The laws of thermodynamics are discussed and applied to physical problems. Ideal gases, statistics, Gibbs free energy, and cryogenics will be studied. PREREQ: PH 213, M 331.

PH 481 SENIOR LAB (1-6-3(F)). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. PREREQ: PH 312.

PH 482 SENIOR PROJECT (0-6-2(S)). 1 or 2 credits depending on the project. Elective. A sophisticated laboratory or 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

Chairperson and Associate Professor: Stephen R. Buss; Professors: Lauterbach, Shankweiler; Associate Professors: Attkinson, Ericson; Assistant Professor: Hoste; Special Lecturer: Ceballos

Degrees Offered

- BA in Theatre Arts
- BA in Theatre Arts, Secondary Education

Degree 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. Fitness Activity Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.)...........2
3. Area I Credits ........................................12
   - Intro to Theatre TA 107 .............................3
   - Intro to Art or Music AR 103, MU 133 ............3
   - 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 Reading and Study Skills TE 108.

Major Subject Requirements

Theatre Symposium TA 010 .................................0
Play Analysis TA 105 ........................................3
Introduction to Theatre TA 107 ............................3
Technical Theatre TA 117, 118 ............................8
Acting (Lower Division) TA 215 .........................3
Major Production Participation TA 231 .................2
Stage Voice TA 233 .........................................2
World Drama TA 341, 342 .................................2
Directing TA 401 .............................................3
Theatre History TA 421, 422 ...............................6
Contemporary Theatre TA 445 ...........................3

The above Theatre Arts basic courses will be required of all students. In addition the student will select one of the following options no later than the end of the Sophomore year.

I. PERFORMANCE OPTION

Acting TA 216, TA 311 ....................................6
Stage Voice TA 234, TA 335 ............................4
Movement & Dance Perform Artist TA 412 ...........4
Major Prod Participation TA 331 ..........................2

TOTAL ......................................................15

II. DESIGN OPTION

Elements of Scene Design TA 351 ..........................3
Costume Design TA 352 ...................................3
Stage Lighting Design TA 362 ............................3
Drawing AR 111 or Stage Make-up TA 162 ...........2 or 3
Major Prod Participation TA 331 ..........................2

TOTAL ......................................................13 or 14

III. PLAYWRITING/CRITICISM

Playwriting TA 340 (two semesters) ....................6
Acting TA 216 .............................................3

Department of Theatre Arts

Morrison Center, Room C-100

Chairperson and Associate Professor: Stephen R. Buss; Professors: Lauterbach, Shankweiler; Associate Professors: Attkinson, Ericson; Assistant Professor: Hoste; Special Lecturer: Ceballos

Degrees Offered

- BA in Theatre Arts
- BA in Theatre Arts, Secondary Education

Degree 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. Fitness Activity Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.)...........2
3. Area I Credits ........................................12
   - Intro to Theatre TA 107 .............................3
   - Intro to Art or Music AR 103, MU 133 ............3
   - 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 Reading and Study Skills TE 108.

Major Subject Requirements

Theatre Symposium TA 010 .................................0
Play Analysis TA 105 ........................................3
Introduction to Theatre TA 107 ............................3
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I. PERFORMANCE OPTION

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Stage Voice TA 234, TA 335 ............................4
Movement & Dance Perform Artist TA 412 ...........4
Major Prod Participation TA 331 ..........................2

TOTAL ......................................................15

II. DESIGN OPTION

Elements of Scene Design TA 351 ..........................3
Costume Design TA 352 ...................................3
Stage Lighting Design TA 362 ............................3
Drawing AR 111 or Stage Make-up TA 162 ...........2 or 3
Major Prod Participation TA 331 ..........................2

TOTAL ......................................................13 or 14

III. PLAYWRITING/CRITICISM

Playwriting TA 340 (two semesters) ....................6
Acting TA 216 .............................................3
## THEATER-ARTS, SECONDARY EDUCATION

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### THEATRE EMPHASIS

**1st Year**
- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331

**2nd Year**
- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331

### THEATRE ARTS MAJOR

(Departmental Requirements indicated by asterisk)

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### JUNIOR YEAR

- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331
- Technical Theatre TA 117, TA 118
- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331
- Technical Theatre TA 117, TA 118
- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331
- Technical Theatre TA 117, TA 118
- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331
- Technical Theatre TA 117, TA 118

### SENIOR YEAR

- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331
- Technical Theatre TA 117, TA 118
- Theatre Symposium TA 010
- Theatre History TA 421 or 422
- Major Prod Participation TA 331
- Technical Theatre TA 117, TA 118

### ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in this Catalog under the English Department heading.

Liberal Arts Option:
- Lower Division Literature
- One of the following
  - Expository Composition E 201
  - Creative Writing, Poetry E 205
  - Creative Writing, Fiction E 206
- Upper Division Electives other than English Department Drama Courses
- Electives

*This requirement cannot be fulfilled by E 297, Special Topics Courses.

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*Departmental requirements.

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### Theatre Management TA 440

- Theatre Management TA 440

### Theatre History TA 421 or 422

- Theatre History TA 421 or 422

### World Drama TA 341

- World Drama TA 341

### Stage Voice TA 234

- Stage Voice TA 234

### Major Prod Participation TA 331

- Major Prod Participation TA 331

### Audition TA 216

- Audition TA 216

### Elements of Scene Design TA 351

- Elements of Scene Design TA 351

### Contemporary Theatre TA 445

- Contemporary Theatre TA 445

### Playing Analysis

- Playing Analysis

### Physical Activity

- Physical Activity

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**Departmental Requirements indicated by asterisk.**

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

Shakespeare: Tragedies & Histories E 345 .......................... 3
Shakespeare: Comedies & Romances E 346 .......................... 3
Total in English Minor for Theatre Arts Major .......................... 24

Course Offerings

See page 20 for definition of course numbering system

TA THEATRE ARTS

Lower Division

TA 010 THEATRE SYMPOSIUM (no credit)(F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full-time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.

TA 105 PLAY ANALYSIS (3-0-3)(F). Analysis of plays, both modern and historical to provide tools for the student to read a text critically and creatively for use in production.

TA 107 INTRODUCTION TO THEATRE (3-0-3)(AREA I). A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature and production techniques.

TA 117, 118 TECHNICAL THEATRE (3-4-4)(F/S). Provides the student with a practical knowledge and skill in the principals of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in production, development of drafting skills, problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.

TA 162 STAGE MAKEUP (3-0-3)(F). Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of makeup and other technical aspects that influence this particular art. Practical application emphasized.

TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3). For the theatre student and the experienced dancer. The first half of the semester covers improvisation, simple choreography and ballet barre work. The second half covers jazz warm-ups and choreography, culminating in a formal performance. The second half requires much out-of-class work. The class may be repeated once for credit. Maximum credit: 6.

TA 215, 216 ACTING (1-2-3). Entails study of and practice in the basic principles, terminology, and disciplines of the acting art. Fundamentals of speech and movement for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated. Concomitant enrollment in TA 233 required for Theatre Arts majors enrolled in TA 215, and in TA 234 for Theatre Arts majors enrolled in TA 216.

TA 220 CINEMA: HISTORY AND AESTHETICS (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form.

TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1). Significant participation in a major college production in some phases of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.

TA 233 STAGE VOICE (2-0-2)(F/S). Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes.

TA 234 STAGE VOICE (2-0-2)(F). Basics of articulation with work on the articulatory mechanisms and individual American-English speech sounds. Line analysis in realistic stage speech and work on basic stage dialects. PREREQ: TA 233 or PERM/INST.


TA 288 TOURING CHILDREN’S THEATRE (3-0-3)(S). A concentrated study of the history and techniques of producing theatre for children. Specific emphasis on a single script selected for production and off-campus touring to local elementary schools.

Upper Division

TA 311 ADVANCED ACTING (3-0-3)(F/S). Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the more realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. PREREQ: TA 215, 216 or PERM/INST. Alternate years.

TA 318 METHODS OF TEACHING SECONDARY SCHOOL THEATRE (2-0-2)(S). Study of methods of teaching acting, play structure and theatre production at the secondary level. Twenty hours of directed observation required. PREREQ: TA 105, TA 216, TA 272 or TA 412.

TA 335 STAGE VOICE (2-0-2)(F/S). Advanced dialects and “character” voices. Interpretative work on vocal reaction in scene studies, verse drama, and Shakespeare. Final overview and individual analysis. PREREQ: TA 234 or PERM/INST.

TA 340 PLAYWRITING (3-0-3)(F). Experience in creating a play script for the theatre, culminating in the construction and staged reading of an original one-act. May be repeated for credit.

TA 341 WORLD DRAMA 500 BC-1642 (3-0-3)(F). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 342 WORLD DRAMA 1642-1960 (3-0-3)(S). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 351 ELEMENTS OF SCENIC DESIGN (3-0-3)(F). Major skills of beginning design. Included will be art techniques for theatre, research in major periods of scenic design, examination of major designers’ works, and practical experience in designing for all major types of stages. PREREQ: TA 117, 118.

TA 352 COSTUME DESIGN (3-0-3)(F). Major skills of beginning costume design, included will be art techniques for theatre, research in major periods of costume design, examination of major costume designers, works and practical experience in designing for all manner of productions. PREREQ: TA 117, 118. Alternate years.

TA 362 STAGE LIGHTING DESIGN (3-0-3). A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. PREREQ: TA 117, 118. Alternate years.

TA 401, 402 DIRECTING (3-0-3). Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems of directing are presented. PREREQ: Upper Division standing.

TA 415 ACTING STYLES (3-0-3)(F). This studio course is a concentrated study in acting styles; scene work from Shakespeare, Restoration, Moliere and absurdist. PREREQ: TA 215, TA 216, and TA 311. May be repeated for credit.

TA 421-422, 421G-422G THEATRE HISTORY (3-0-3)(F/S). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through approximately 1550 AD; the second semester from the Elizabethan period through the end of the 19th century.

TA 440 THEATRE MANAGEMENT (3-0-3). Operational procedures for high school, university, community and professional theatre. Includes consideration of organization, personnel, budgeting, purchasing, accounting, ticket sales, publicity, audience development, house management and season development. (Even numbered years.)

TA 445 CONTEMPORARY THEATRE (3-0-3)(S). A study of world theatre and drama since 1960 with an emphasis on current research materials and techniques. Alternate years.

TA 491 SENIOR PROJECTS (3-0-3)(F/S). A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formal written, fully documented thesis describing his production and the concept involved. PREREQ: PERM/CHAIR.
College of Social Sciences and Public Affairs
Dean: Robert C. Sims, Ph.D.
Telephone (208) 385-3776

The State Board of Education has designated the social sciences and public affairs as primary emphasis areas for Boise State University. In 1984 the College of Social Sciences and Public Affairs was established to meet this responsibility. The college contains nine academic departments:
- Anthropology
- Communication
- Criminal Justice Administration
- History
- Military Science
- Political Science
- Psychology
- Social Work
- Sociology

The college offers eighteen undergraduate and three graduate degree programs. The college 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 college also serves the people of Idaho through providing consulting services and research assistance on public issues.

The college’s location in the state’s population, business, and government center provides outstanding opportunities for students, including internships and other educational experiences unique in Idaho.

Survey Research Center
The Survey Research Center was established to conduct high-quality surveys for individuals, government agencies, and public interest groups and to fulfill the primary emphasis area in social sciences and public affairs mandated by the State Board of Education for BSU. Its goal is to provide research that will assist Idaho’s citizens and policymakers in their efforts to solve state and local problems. The Center conducts the annual Idaho Policy Survey, an omnibus poll of Idahoans on major public policy issues.

Conflict Management Services
The center provides conflict management information to the general public and students; provides scholarly research service to students, practitioners, and agencies; conducts social and public policy analyses; provides referral services and technical assistance in the area of conflict resolution; conducts conferences and educational forums and provides support for conflict management programs and organizations; conducts or facilitates training; and provides support services for conflict management within the university.

Minors
CANADIAN STUDIES
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. (See page 30 for course descriptions.)

ANTHROPOLOGY
- Physical Anthropology AN 101 ........................................ 3
- Cultural Anthropology AN 102 ....................................... 3
- Intro to Archaeology AN 103 .......................................... 3
- People & Cultures of the World AN 311 ........................................ 3
- Upper Division Anthropology Electives .............................. 9

TOTAL ................................................................. 21
**MULTI-ETHNIC STUDIES**

- Intro Multi-Ethnic Studies SO 230 .......................... 3
- Minorities in U.S. History HY 261 .......................... 3
- Ethnic Literature Course ........................................... 3
- *Ethnic Courses Electives ........................................ 12
- TOTAL ........................................................................... 21

*List of approved courses available from Program Supervisors.

**POLITICAL SCIENCE**

For students who wish to major in another field, the Department of Political Science offers an option of a minor in Political Science. The student must complete 21 credits in Political Science in addition to the requirements for their major. Students are required to take 9 credits of lower division Political Science courses, and 12 credits of upper division Political Science courses, from the following course offerings. Each student seeking this minor should be advised by the Department Chair in the Political Science department who must approve the list of courses.

**NINE CREDITS FROM THE FOLLOWING COURSES:**

- American National Government PO 101 .................................. 3
- State & Local Government PO 102 ......................................... 3
- Contemporary Political Ideologies PO 141 .............................. 3
- International Relations PO 231 ........................................... 3
- Intro Political Inquiry PO 298 .............................................. 3

**TWELVE CREDITS FROM THE FOLLOWING COURSES:**

- American Parties & Interest Groups PO 301 ............................ 3
- Public Opinion & Voting Behavior PO 302 ............................. 3
- Intro to Public Administration PO 303 .................................. 3
- Urban Politics PO 308 ..................................................... 3
- American Chief Executive PO 309 ....................................... 3
- Public Finance PO 310 ..................................................... 3
- Comparative Foreign Policy PO 311 ..................................... 3
- Legislative Behavior PO 312 ............................................... 3
- American Political Process PO 320 ...................................... 3
- Intro to Comparative Politics PO 321 .................................... 3
- Comp Communist Party-State System PO 324 ....................... 3
- Politics of Industrialized Nations PO 329 .............................. 3
- American Political Theory PO 331 ...................................... 3
- Comp Gov & Politics of Dev Nations PO 333 ......................... 3
- United States Foreign Policy PO 335 ................................... 3
- Constitutional Law PO 351 ............................................... 3
- American Political Economy PO 381 ................................... 3
- Advanced Political Science Methods PO 398 .......................... 3
- International Law & Organization PO 421 ............................ 3
- International Political Economy PO 429 .............................. 3
- Western Political Theory I PO 441 ..................................... 3
- Western Political Theory II PO 442 ................................... 3
- Comparative Legal Systems PO 451 .................................... 3
- Comparative Public Administration PO 465 ........................... 3
- Administrative Law PO 467 ................................................ 3
- Intergovernmental Relations PO 469 .................................... 3
- Organizational Theory & Bureau Structures PO 487 ................ 3
- Internship PO 493 .......................................................... 3

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**Department of Anthropology**

Hemingway Western Studies Ctr., Rm. 55  Telephone (208) 385-3403
Chairperson and Associate Professor: Mark G. Plew; Professor: Pavesic; Associate Professor: Cox.

**Degrees Offered**

- BA in Anthropology
- BA in Anthropology, Social Science, Secondary Education

**Department Statement**

The department is central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving and full participation in public affairs. The Department of Anthropology offers two (2) bachelors degree programs, a minor for teaching certification, a liberal arts minor, and participates in the Canadian Studies program.

**Degree Requirements**

**ANTHROPOLOGY**

**Bachelor of Arts Degree**

1. **Liberal Arts Option**
   a. General University and Basic Core Requirements
   b. **ANTHROPOLOGY Total Requirements** ........................................ 43

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; Sociology; and Anthropology. 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 the two 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
- b. Secondary Education Requirements Total Credits ............................... 29-35
- c. See Teacher Education Department
- d. American National Government ......................................................... 3

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**Requirements for the Minor in Anthropology**

- 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 the two 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.

Refer to Teacher Education Department

**State Department of Education Certification Requirements**

- a. Anthropology Courses Total Credits .................................................. 30
- b. Secondary Education Requirements Total Credits ............................... 29-35
- c. U.S. History ................................................................................. 9
- d. American National Government ......................................................... 3

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**ANTHROPOLOGY**

**Bachelor of Arts Degree**

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   a. General University and Basic Core Requirements
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- b. Secondary Education Requirements Total Credits ............................... 29-35
- c. U.S. History ................................................................................. 9
- d. American National 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:

<table>
<thead>
<tr>
<th>Economics</th>
<th>Geography</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>Political Science</td>
</tr>
<tr>
<td>Psychology</td>
<td>Sociology</td>
</tr>
</tbody>
</table>

NOTE: 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.

3. Anthropology Minor Option.
   a. Liberal Arts Minor
      Completion of the following courses: 21 credits
      - Physical Anthropology AN 101: Introduction to Physical Anthropology (3-0-3)
      - Cultural Anthropology AN 102: Intro to Cultural Anthropology (3-0-3)
      - AN 103: Peoples & Cultures of the World AN 311: Upper Division Anthropology Electives (3-0-3)...

   b. Anthropology Education Minor Option
      Total credits: 15
      - Physical Anthropology AN 101: Introduction to Physical Anthropology (3-0-3)
      - Cultural Anthropology AN 102: Intro to Cultural Anthropology (3-0-3)
      - AN 103: Peoples & Cultures of the World AN 311: Upper Division Anthropology Electives (3-0-3)

Course Offerings
See page 20 for definition of course numbering system

AN ANTHROPOLOGY

Lower Division
AN 101 PHYSICAL ANTHROPOLOGY (3-0-3)(AREA II). An introduction to the fossil evidence for human evolution, genetics, modern human variation, the study of living primates, and the relationship between biology and culture.

AN 102 CULTURAL ANTHROPOLOGY (3-0-3)(AREA II). An introduction to the descriptions, analysis, and explanations of the different ways of life, or cultures, through which human groups have adapted to their environments. An explanation of the nature and characteristic of culture as an adaptive mechanism for human survival.

AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)(AREA II). An introduction to the historic background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities and histories.

Upper Division
AN 300 AFRICAN PREHISTORY (3-0-3)(F/S). A survey of the archaeology of Africa beginning with a discussion of Hominid origins and evolution. Emphasis upon culture history with reference to Oldowan, Acheulian, and Mousterian culture, the Later Prehistory and the Iron Age. Environmental adaptations, origins of food production and social complexity will be discussed. Offered odd years.

AN 302 EUROPEAN PREHISTORY (3-0-3)(F/S). A survey of prehistoric European cultures complexity from the earliest Stone Age evidence through the Iron Age. Special emphasis will be given to ancient technology, economics, demography, art and social organization. PREREQ: AN 103 or Upper division standing. Offered even years.

AN 305 PEOPLES OF THE PACIFIC ISLANDS (3-0-3)(F/S). A survey of the ethnographic area Oceania. Will include a study of the ethnographic data from the islands of Polynesia, Melanesia, Micronesia, from settlement to present time. PREREQ: Upper division status or PERM/INST. Alternate years.

AN 307 INDIANS OF NORTH AMERICA (3-0-3)(F/S). An ethnographic survey of the native peoples of North America emphasizing cultural diversity and adaptation. Ethnographic data will cover the time span from settling of North America to present. PREREQ: Upper division status or PERM/INST.

AN 308 INDIANS OF SOUTH AMERICA (3-0-3)(F/S). A survey and analysis of native South American cultures emphasizing cultural-environmental adaptations and historical events affecting the acculturation of the region's native peoples. PREREQ: AN 102, Upper division status or PERM/INST.

AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)(F/S). An ethnographic survey of selected cultures with emphasis on cultural diversity, cultural adaptation, and historical development. PREREQ: Upper division status or PERM/INST.

AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S). A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional sociocultural complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the Intermountain West. PREREQ: Upper division status or PERM/INST.

AN 313 ARCHAEOLOGY OF SOUTH AMERICA (3-0-3)(F/S). A comprehensive survey of the cultural history of South America from the earliest Paleolithic to the Peruvian high cultures. Emphasis is placed on regional chronologies, environmental adaptations, origins of American agriculture, social complexity and cultural change. PREREQ: AN 103, upper division standing or PERM/INST. Offered even years.

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 319 ARCHAEOLOGY OF MESOAMERICA (3-0-3)(F/S). A survey of precolombian cultures of Central America with an emphasis on Mexico. Special focus on the transition from Pre-Classical to Classic culture with consideration of the Maya and Aztec. PREREQ: AN 103, upper division standing or PERM/INST. Offered even years.

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

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

AN 430 APPLIED ANTHROPOLOGY (3-0-3)(F/S). Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Both the positive and negative impact of cultural change will be examined. Also considered is the application of anthropological concepts in contemporary social and institutional issues. PREREQ: AN 102, upper division status or PERM/INST.

AN 490 ARCHAEOLOGY FIELD SCHOOL (1-2-6)(SU). Six weeks on-site field training in the archaeological techniques of site reconnaissance and excavation. Focus will be placed on the observation, recording and recovery of field data. Instruction includes preliminary laboratory processing and artifact analysis. PREREQ: PERM/INST. Special fee required for room and board.

Department of Communication

Communication Building, Room 100   Telephone (208) 385-3320
Chairperson and Professor: Robert R. Boren; Professors: Cox, McLuskie, Mills, Parker; Associate Professors: Craner, McCorkle, Pitman, Rayborn, Rudd; Assistant Professors: Lutze, Morris, Wollheim; Instructor: Most.

Degrees Offered
- BA, Communication
- BA, Mass Communication/Journalism emphasis
- BA, Communication Training and Development emphasis
- BA, Communication, Secondary Education
- BA, Communication/English, Journalism emphasis
- BA, Communication/English, Humanities/Rhetoric emphasis
- MA in Communication (See Graduate College for details)

Department Statement

The Department of Communication provides 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 and life plans. Therefore, the number of required courses is as limited as possible, and the student, working...
with an advisor, selects sufficient additional courses to complete the requirements for a major.

A BA in Communication includes a common core of courses required of all Communication majors. Beyond the basic core, students may choose a combined major in Communication-English, or a communication emphasis area. Communication study is enriched 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 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 Study CM 115 .............. 1
   Perspectives of Inquiry CM 201 .............. 3
   Research Methods CM 302 .............. 3
   Perspectives on Communication CM 421 .............. 3
   Communication Seminar CM 498 .............. 3
   Communication Lab CM 216, 316 .............. 6
   Courses for Area of Emphasis .............. 26-36

   TOTAL 45-55

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

Communication Emphasis

1. General University Requirements .............. 51
2. Departmental Core Requirements .............. 19
3. Communication Electives .............. 26-36
4. Other Electives .............. 22-32

   TOTAL 128

Mass Communication/Journalism Emphasis

1. General University Requirements .............. 51
2. Departmental Core Requirements .............. 19
3. Mass Communication Requirements .............. 12
4. At least 3 courses from the following: .............. 9

   Audio Production CM 263 .............. 3
   Broadcast Writing CM 264 .............. 3
   Video Production CM 267 .............. 3
   Reporting & News Writing CM 273 .............. 3
   Copy Editing CM 275 .............. 3
   Photo Communication CM 277 .............. 3
   Broadcast Management & Programming CM 355 .............. 3
   Media Research CM 366 .............. 3
   Advanced Media Production CM 367 .............. 3
   Reporting Public Affairs CM 373 .............. 3
   Communication Graphics CM 379 .............. 3
   Feature Writing CM 473 .............. 3
   Critical Writing CM 474 .............. 3
   Studies in Journalistic Communication CM 480 .............. 3
   Studies in Mass Communication CM 482 .............. 3
5. Media Ethics CM 460 or Mass Comm Lab CM 462 .............. 3
6. Political Comm CM 463 or New Comm Tech CM 464 .............. 3

   TOTAL COMMUNICATION CREDITS 46

Communication, Secondary Education Emphasis

1. General University Requirements .............. 51
2. Education Requirements .............. 29-35

   See Department of Teacher Education listing in the College of Education in this Catalog.

3. Departmental Requirements .............. 45
   a. Departmental Core Requirements .............. 19
   b. Required Emphasis Area Courses:

      Reasoned Discourse CM 112 .............. 3
      Internship in Directing Forensics CM 493 .............. 1
      Interpersonal Communication CM 221 .............. 3

   TOTAL 45-55

4. Suggested Extra-Departmental Elective Courses, as follows:

   Introduction to Theatre TA 107 .............. 3
   Major Production Participation TA 231, 331 .............. 14
   Educational Technology TE 356 .............. 2

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

   NOTE: 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.

Communication Training and Development Emphasis

1. General University Requirements .............. 51
2. English Composition E 101, 102 .............. 6

   Area I .............. 12
   a. Literature .............. 3
   b. Humanities .............. 3
   c. Philosophy .............. 3
   d. Area I — Any Field .............. 3

   Area II .............. 12
   a. History .............. 3
   b. Prin of Microeconomics EC 205 .............. 3
   c. P 101 or SO 101 .............. 3
   d. Area II — Any Field .............. 3

   Area III .............. 12
   a. Math for Business Decisions M 105, 106 .............. 8
   b. Area III — Any Field .............. 4
   c. Additional 9 credits chosen from: .............. 9

   AN 102, P 295, P 441, SO 210, SO 310, TE 208, TE 356

   2. Departmental Requirements .............. 45
   a. Departmental Core Requirements .............. 19
   b. Intro Comm Trng & Develop CM 255 .............. 3
   c. Developing Communication Training CM 355 .............. 3
   d. Methods of Teaching Communication CM 401 .............. 3
   e. Additional Department Requirements .............. 17

   At least one course chosen from each of the following:

   1. CM 231, 241, 311, 312
   2. CM 131, 221, 307, 341, 390
   3. CM 251, 361, 431
   4. CM 321, 351, 412
   5. CM 273, 263, 267
   6. CM 493 — Internship

   Students choosing the Communication Training and Development Emphasis must also complete an APPROVED MINOR in a related field.
COMBINED MAJOR
Communication—English

Journalism Emphasis
Department Requirements:

COMMUNICATION .............................................26
Introduction to Communication Studies CM 115 ..........1
Perspectives of Inquiry CM 201 ..........................3
Communication Laboratory CM 216, 316 ................3
Reporting & Newswriting CM 273 .........................3
Research Methods CM 302 ...............................3
Perspectives on Communication CM 421 .................3
Media Ethics/Mass Comm Law CM 460/462 .............3
Mass Comm Concepts & Perspectives CM 465 .........4
Upper Division Mass Comm or Journ Electives ..........4

ENGLISH .........................................................27
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
Introduction to Communication Training and Development LI 301 .........3

CM 114 COMMUNICATION ACTIVITIES (1-0-1)(F/S). 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 (1-0-1)(F/S). Dimensions of human communication, historical and contemporary concepts, communication as an age program, and career opportunities. (PASS/FAIL)

CM 116 COMMUNICATION LABORATORY (1-1-2)(F). An experimental probe into human communication through participation in practical applications of concepts, communication requirements, and technologies.


CM 122 INTRODUCTION TO SIGN LANGUAGE (3-0-3)(F/S). 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)(F/S). Theory and practice of our most-used communication skill. Analysis of variables as they promote or impede the process of listening.

CM 171 MASS MEDIA AND SOCIETY (3-0-3)(F/S). An examination of the roll of mass media in contemporary society. Emphasis on the interrelationships between media and other social and political institutions, and on critical analysis of current media issues.

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

CM 216 COMMUNICATION LABORATORY (3-0-3)(F/S). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of participation in workshops and short courses. PREREQ: CM 115. May not be taken concurrently with CM 316.

CM 221 INTERPERSONAL COMMUNICATION (3-0-3)(F/S). An examination of the nature of human communication, focuses, through experiential learning, on awareness of self, communicative relationships and context.


CM 241 ORAL INTERPRETATION (3-0-3)(F/S). 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)(F/S). 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 255 INTRODUCTION TO COMMUNICATION TRAINING AND DEVELOPMENT (3-0-3)(F/S). Designed primarily for students interested in communication-based training and development careers. A survey of theories and techniques of communication training and development in human organizations.

CM 261 MASS COMMUNICATION AND SOCIAL CHANGE (3-0-3)(F). The history and evolution of communication and mass communication technologies, focusing on their role in the development of mass society. Traces social-cultural evolution from oral through written to electronic media. PREREQ: CM 171.

CM 262 MASS MEDIA AND CULTURAL FORM (3-0-3)(S). An examination of the forms and cultural bases of mass media programs, the relationship between audiences and media products, and approaches to critical analysis of media products. PREREQ: CM 171.


CM 267 VIDEO PRODUCTION (3-0-3)(F). Theory and practice of studio and electronic field production, including camera and control room operation, lighting, staging, set design, producing and directing. Focus on the use of video technology as an effective means of human communication and self-expression. PREREQ: CM 262.

CM 273 REPORTING AND NEWS WRITING (3-0-3)(F/S). 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 copy editing symbols. PREREQ: E 102 and ability to use typewriter or PERM/INST.
CM 277 PHOTO COMMUNICATION (2-2-3)(F). Photography as a means of communication. Includes the planning and production of photography for publication and broadcast. PREREQ: AR 251 or PERM/INST.

CM 278 COPY EDITING (3-0-3)(ALTERNATE YEARS). Theory and practice in editing local and wire news, headline writing, picture editing, evaluating news, layout and design, video display terminal operation. Examination of Associated Press style, refinement of grammar. PREREQ: E 102 and ability to use typewriter or PERM/INST.

Upper Division

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

CM 302 RESEARCH METHODS (3-0-3)(F/S). Historical, critical, descriptive, and experimental research methods and tools in communication. Students design, conduct, report, and evaluate research projects. PREREQ: CM 201 or PERM/INST.


CM 311 SPEECH-COMMUNICATION FOR TEACHERS (3-0-3)(F/S). 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)(F/S). 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)(F/S). Preparation for and participation in communication activities: intercollegiate debate competition, individual speech, community speaking activities. PREREQ: PERM/INST. CM 314 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 (3-0-3)(F/S). Participation in a community in which students form their own government, economy, and produce and consume communication products and services. Development of and participation in workshops and short courses. PREREQ: CM 115. May not be taken concurrently with CM 216.

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

CM 322 INTERMEDIATE SIGN LANGUAGE (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 332 CONTEMPORARY PUBLIC COMMUNICATION (3-0-3)(F/S). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public dialog which reflect, reinforce, and alter public opinion.

CM 341 NONVERBAL COMMUNICATION (3-0-3)(F/S). 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)(F/S). The application of communication theory and methodology to the study of communication within the formal organization. Theories and problems of human communication within and between organizations.

CM 365 BROADCAST MANAGEMENT AND PROGRAMMING (3-0-3)(F). Examines the workings of both commercial and public radio and television stations, including personnel, program formats, legal and public responsibilities.

CM 366 MEDIA RESEARCH (3-0-3)(S). Development, interpretation and use of audience surveys, rating research, and program development and testing techniques.


CM 373 REPORTING PUBLIC AFFAIRS (3-0-3)(F/S). Theory and practice of covering governmental and community affairs. Examination of the beat system and developing sources. PREREQ: CM 273 or PERM/INST.

CM 379 COMMUNICATION GRAPHICS (3-0-3) Alternate Years (F/S). Theory and practice of graphic design and production of mass media products. An exploration of communication effectiveness in form, shape, colors, line, layout, printed and electronic images. PREREQ: AR 108, CM 275 or PERM/INST.

CM 390 CONFLICT MANAGEMENT (3-0-3)(S). Examination of the causes of conflict, conflict management theory and conflict management techniques applied in interpersonal, intergroup, organizational and community settings. Discussion and skill development through experiential learning will focus on such conflict management techniques as interpersonal management, mediation, arbitration, negotiation, and reconciliation. Students will not receive credit for both CM 390 and CM 390. PREREQ: SO 290 or CM 111, Upper Division Standing.


CM 412 PERSUASION (3-0-3)(F/S). 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 (2-2-2)(F). Involvement in a community to practice and refine communication skills, e.g., leadership, organization, advisory, research, and evaluation.

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)(F). An advanced study of variables and theories affecting the communicative interaction of small groups.

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

CM 460 MEDIA ETHICS (3-0-3)(F). Examination of ethical issues in contemporary mass media. Particular emphasis is placed on the ethical dilemmas of contemporary media norms and practices in both entertainment and journalism.


CM 463 POLITICAL COMMUNICATION (3-0-3)(F). A study of the uses of communication media in the political process, within and beyond the electoral context. Communication theory and strategy underlying attempts to influence public opinion, with attention to the role of symbols in political communication.

CM 464 NEW COMMUNICATION TECHNOLOGIES (3-0-3)(S). Examination of new technologies, such as videotex, satellite, interactive computer networks, and discussion of issues related to the impact of these technologies on the social, political and cultural environment.


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

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


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

CM 480 ADVANCED JOURNALISTIC COMMUNICATION (3-0-3)(S). Advanced instruction in theories about, history of, and preparation of nonfiction content for the mass media. Content varies from semester to semester. Subjects may include: Public Affairs Reporting, Journalism History, Documentary Script Writing, etc. PREREQ: CM 390 or PERM/INST.

CM 481 STUDIES IN INTERPERSONAL COMMUNICATION (3-0-3)(F/S). Examination of issues, contexts, and particulars of interpersonal communication. Content varies from semester to semester. Subjects may include: Conflict Management, General Semantics, Male-Female Communication, etc. PREREQ: CM 390 or PERM/INST.

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

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

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

CM 485 STUDIES IN THE INTERRELATIONSHIP BETWEEN GENDER AND COMMUNICATION (3-0-3)(F/S). Instruction in gender as a variable in communicative behaviors. Content varies semester to semester. Subjects may include: Gender Issues in Interpersonal and Organizational Communication; Power, Gender, and Nonverbal Communication; Feminist Rhetoric.


Department of Criminal Justice Administration

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

Chairperson and Associate Professor: Robert Marsh; Professor: Walsh; Associate Professors: Foraker-Thompson, Hopfenbeck

Degrees Offered

- AS, BA, and BS in Criminal Justice Administration

Department Statement

The Department of Criminal Justice Administration requires admission to upper division standing by petition of all Criminal Justice Administration majors. These majors are therefore required to meet the following criteria prior to enrolling in upper division Criminal Justice Administration courses. Criminal Justice majors enrolling in upper division Criminal Justice courses without approved upper division standing will be withdrawn administratively from the courses. Upper division non-majors will be permitted to enroll in specific courses with a documented showing of special need and permission of the instructor.

Minimum Criteria for Upper Division Admission

1. Admission to Boise State University
2. Successful completion of a minimum of 32 credits of the lower division university core including English - E 101 and E 102, Sociology - SO 101, Psychology - P 101, Political Science - PO 101, Communications - CM 111, three credits of History and eight credits of Area III Science and/or Mathematics.
3. All required lower division Criminal Justice courses must be completed with no less than a "C" average.
4. Cumulative GPA of 2.5 or higher at the time of application.
5. Completion of at least 58 credits — including coursework in progress at the time of application.
6. Selection of a degree emphasis area.

7. Submission of a completed application and current transcript at least two weeks prior to the preregistration period in which upper division coursework will be requested.
8. Attainment of a passing score on the departmental qualifying examination covering material in CR 101 - Introduction to Law and Justice, CR 201 - Introduction to Criminal Justice Administration and CR 215 - Police in the Community. This examination will be administered each semester prior to the preregistration period.

Transfer Students: Students transferring into the Boise State University Criminal Justice program from other institutions will be evaluated by the departmental chairperson on an individual basis. Failure to meet the above minimum requirements will result in a delayed entrance into upper division courses until the deficiencies have been addressed.

Degree Requirements

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 Research.

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

UNIVERSITY CORE 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>
<tr>
<td>Arts &amp; Humanities (Area I)</td>
<td>12</td>
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<tr>
<td>History (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Fund of Speech Comm CM 111 (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology P 101 (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Intro Sociology SO 101 (Area II)</td>
<td>3</td>
</tr>
<tr>
<td>Science or Mathematics (Area III)</td>
<td>12</td>
</tr>
</tbody>
</table>

CRIMINAL JUSTICE CORE:

- American National Government PO 101 | 3 |
- Computer Applications in Social Science SO 210 | 4 |
- Intro Law & Justice CR 101 | 3 |
- Intro to Criminal Justice Admin CR 201 | 3 |
- Police in the Community CR 215 | 3 |
- Victims of Crime CR 280 | 3 |
- Administration of Justice CR 301 | 3 |
- Public Policy & Criminal Behavior CR 315 | 3 |
- The Juvenile Justice System CR 317 | 3 |
- Criminal Law CR 321 | 3 |
- Contemporary Correctional Theory & Practice CR 362 | 3 |
- Criminal Justice Management CR 363 | 3 |
- Methods Criminal Justice Research CR 426 | 3 |
- Senior Tutorial CR 489 | 3 |
- Senior Seminar in Criminal Justice CR 498 | 3 |

SPECIALTY AREA COURSES:

1. LAW ENFORCEMENT

- Law of Criminal Evidence CR 275 | 3 |
- Law of Arrest, Search & Seizure CR 276 | 3 |
- Comparative Criminal Justice Admin CR 451 | 3 |
- Comparative Canadian Justice CR 452 | 3 |
- Contemporary Issues in American Policing CR 461 | 3 |
- Field Practicum CR 490 | 6 |
- Electives to total 128 (Including 3 credits of upper division) | 22 |

2. COURTS/LAW

- Law of Criminal Evidence CR 275 | 3 |
- Law of Arrest, Search & Seizure CR 276 | 3 |
- Methods of Legal Research CR 350 | 3 |
- Judicial Admin & Court Management CR 381 | 3 |
- Comparative Criminal Justice Admin CR 451 | 3 |
- Comparative Canadian Justice CR 452 | 3 |
- Constitutional Law PO 351 | 3 |
- Field Practicum CR 490 | 6 |
- Electives to total 128 | 16 |
### 3. CORRECTIONS/COUNSELING

- Corrections in the Community CR 331
- Interviewing & Counseling in Crim Justice CR 340
- Advanced Interview & Counsel in Crim Just CR 341
- Upper Division Criminal Justice Elective
- Field Practicum CR 490
- Electives to total 128

### 4. RESEARCH

- Methods of Legal Research CR 350
- Advanced Methods Crim Just Research CR 428
- Comparative Criminal Justice Admin CR 451
- Comparative Criminal Justice CR 452
- Upper Division Criminal Justice Electives
- Field Practicum-Planning & Admin CR 490
- Electives to total 128

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

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>English Composition E 101, 102</td>
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<tr>
<td>Science or Mathematics</td>
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<tr>
<td>Intro Law &amp; Justice CR 101</td>
<td>3</td>
<td>3</td>
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<tr>
<td>American National Government PO 101</td>
<td>3</td>
<td></td>
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<tr>
<td>Introduction to Sociology SO 101</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech Comm CM 111</td>
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<td></td>
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<tr>
<td>State-Local Government PO 102</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Intro to Criminal Justice Admin CR 201</td>
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<td>16</td>
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</tbody>
</table>

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>SEM</th>
<th>SEM</th>
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<tbody>
<tr>
<td>Computer Applications in Social Science SO 210</td>
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<td></td>
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<tr>
<td>Police in the Community CR 215</td>
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<td>3</td>
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<tr>
<td>Law of Criminal Evidence CR 275</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Law of Arrest, Search &amp; Seizure CR 276</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Electives to total 64</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

#### Course Offerings

See page 20 for definition of course numbering system

**CR CRIMINAL JUSTICE ADMINISTRATION**

#### Lower Division

- CR 101 INTRODUCTION TO LAW AND JUSTICE (3.0-3.5)
- CR 215 POLICE IN THE COMMUNITY (3.0-3.5)
- CR 275 LAW OF CRIMINAL EVIDENCE (3.0-3.5)
- CR 276 LAW OF ARREST, SEARCH AND SEIZURE (3.0-3.5)

#### Upper Division

- CR 301 ADMINISTRATION OF JUSTICE (3.0-3.5)
- CR 315 PUBLIC POLICY AND CRIMINAL BEHAVIOR (3.0-3.5)
- CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3.2-4.0)
- CR 390 METHODS OF LEGAL RESEARCH (3.0-3.5)
- CR 395 RESEARCH METHODS (3.0-3.5)
- CR 397 ADVANCED METHODS OF LEGAL RESEARCH (3.0-3.5)

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**Department of Criminal Justice Administration**

**CR 280 VICTIMS OF CRIME (3.0-3.5)** Study of the role of victims of crime in the justice system and their treatment by different criminal justice agencies. National and state data on victimization by type of crime, psychological trauma suffered by victims of violent crimes and paths to recovery, programs available to victims, and victim-related legislation.

**CR 290 (SO 290) SOCIAL CONFLICT AND PEACEMAKING (3.0-3.5)** An introductory survey course covering broadly the kinds of conflict that occur between persons and between organizations and societies, with attention to why these conflicts arise, a range of peaceful solutions to conflicts using nonviolent, nonadversarial methods. The course ranges from inner personal conflict and ends with the international nuclear arms race. This course may be taken for either CR or SO credit but not both.

#### Upper Division

- CR 301 ADMINISTRATION OF JUSTICE (3.0-3.5)
- CR 315 PUBLIC POLICY AND CRIMINAL BEHAVIOR (3.0-3.5)
- CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3.2-4.0)
- CR 350 METHODS OF LEGAL RESEARCH (3.0-3.5)
- CR 390 METHODS OF LEGAL RESEARCH (3.0-3.5)
- CR 395 RESEARCH METHODS (3.0-3.5)
- CR 397 ADVANCED METHODS OF LEGAL RESEARCH (3.0-3.5)

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**CR 315 PUBLIC POLICY AND CRIMINAL BEHAVIOR (3.0-3.5)** Explores the biological, psychological, and sociological theories of crime and criminality. Explores the policy options for the criminal justice system and society. PREREQ: Upper Division Criminal Justice standing.

**CR 317 THE JUVENILE JUSTICE SYSTEM (3.0-3.5)** Study of the philosophy and function of the juvenile court, court procedures and law, theories of causation, and intervention strategies for juveniles. Includes an evaluation and analysis of law, institutions, policies, and practices of the court since inception. PREREQ: Upper Division Criminal Justice standing.


**CR 331 CORRECTIONS IN THE COMMUNITY (3.0-3.5)** Development, organization, operation and results of post-conviction release programs. Traditional court and institutional supervised probation and parole, work release, halfway houses, diversion, furlough concept and various community/social agency rehabilitative programs of both traditional and innovative nature. PREREQ: CR 201 or SO 101.

**CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3.2-4.0)** Theory and skills involved in effective communication, interviewing and counseling for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. PREREQ: Upper Division CJA standing.

**CR 341 ADVANCED INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3.2-4.0)** Analysis of major theoretical counseling models. Development of advanced skills in interviewing and counseling strategies focusing on the unmotivated, involuntary client. PREREQ: CR 305.

**CR 350 METHODS OF LEGAL RESEARCH (3.0-3.5)** An introduction to methods of legal research with emphasis on the utilization of law library resources, private and government organizations as courses of legal information, and on the formulation of briefs, memoranda and other documents appropriate to legal practice. PREREQ: Upper Division Criminal Justice standing.

**CR 362 (SO 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3.0-3.5)** The historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state and federal correctional institutions. This course may be taken as CR or SO credit but not both. PREREQ: Upper division CJA standing.

**CR 363 CRIMINAL JUSTICE MANAGEMENT (3.0-3.5)** An overview of organizational theory and administrative behavior in criminal justice agencies. Effects of leadership, technology, information, decision-making, court cases, personnel policies, budgeting, and planning on the justice system are analyzed. PREREQ: Upper Division Criminal Justice standing.

**CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3.0-3.5)** Study of practices and trends in court management and judicial administration; court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. PREREQ: CR 301, upper division CJA standing.

**CR 426 METHODS OF CRIMINAL JUSTICE RESEARCH (3.0-3.5)** An introduction to legal research methods in criminal justice administration, the philosophy of science, research designs and their implementation, and elementary statistical techniques. Emphasis is placed on guiding students in interpreting criminal justice statistics and research. PREREQ: Upper Division Criminal Justice standing.

**CR 428 ADVANCED METHODS OF CRIMINAL JUSTICE RESEARCH (3.0-3.5)** Advanced methods of research and analysis in criminal justice with emphasis on designing and managing research projects. Students will design and conduct their own research project. PREREQ: CR 426.

**CR 455 COMPARATIVE CRIMINAL JUSTICE ADMINISTRATION (3.0-3.5)** An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. PREREQ: CR 301.
1. General University Requirements

The department also offers coursework in Classical languages & literature versus the Canadian Charter of Rights and Freedoms. Requires classes at the final six weeks of CR 451 and residence at the University of British Columbia during the two weeks following final examination week. Either CR 451 or CR 452 satisfy applicable graduation requirements in Criminal Justice. PREREQ: CR 301 and CR 362, or PERM/INST. Even numbered years only.

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 non-required Lower Division Electives .............. 9
   - **Total Other History Courses .................................................................................. 27
     **Majors must have course work distributed between U.S., European and Third World History with at least 12 hours in one area and at least 6 hours in each of the other two.

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

History-Secondary Education Option


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 ................................................................. 6
   - Total Lower Division Courses .................................................................................... 15
   - U.S. History Electives (Upper Division) ........................................................................ 12
   - Seminar or Colloquium .............................................................................................. 3
   - Additional History Upper Division or non-required Lower Division Electives .......... 9
   - **Total Other History Courses .................................................................................. 27

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

3. Education Requirements for State Certification for Secondary Education to include TE 385 ......................................................... 29-35

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

NOTE: 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.

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)

NOTE: 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.

Social Science Curriculum Minor

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

History Minor Option

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

Classical Language Program

Requirements for Minor Certification Endorsement in Latin:

   - Latin Language Courses
     - (The State Department of Education requires 20 credit hours in the Language for a Minor Certification Endorsement)
     - Elementary Classical Latin Lang & Lit LA 211 ......................................................... 4
     - Advanced Classical Latin Lang & Lit LA 212 ............................................................ 4
     - Early Church Latin Literature LA 323 ......................................................................... 3

Department of History

Library Building, Room 247  Telephone (208) 385-1255

Chairperson and Professor: Warren L. Vitz; Professors: Barrett, Buhler, Fletcher, Jones, Keiser, Lovin, Odahl, Ourada, Sims, Zirinsky; Associate Professors: Lundy, Shallat; Assistant Professors: Bernstein, Schackel.

Coordinator of Graduate Studies: Errol Jones.

Coordinator of Classical Languages: Charles Odahl.

Degrees Offered

- BA, History
- BA, History, Secondary Education
- BA, History, Social Science, Secondary Education
- MA, History: see Graduate College section for further details.
- Minor Certification Endorsement in Latin

Department Statement

The Department of History offers three baccalaureate degree programs: History-Liberal Arts (42 hours of History); History-Secondary Education Option (42 hours of History, 26-32 hours State Teacher Certification requirements); and History-Social Science, Secondary Education Option (minimum 33 hours History, 20 hours each in two Social Sciences, 29-35 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.

The department also offers coursework in Classical Languages & Literatures, with students completing 20 hours of Latin eligible for a Minor Certification Endorsement for secondary school teaching in that Language from the State Department of Education.

Degree Requirements

HISTORY MAJOR

Bachelor of Arts Program

History-Liberal Arts Option

1. General University Requirements to include:
   - One year of college level Foreign Language ............................................................ 6
   - Language equivalency required by the History Department ...................................... 6
   - Will be determined by the Department of Teacher Education.
   - American National Government PO 101 ................................................................. 3

2. Additional History Upper Division or non-required Lower Division Electives .......... 9

3. Other Electives ......................................................................................................... 28-36
Course Offerings

See page 20 for definition of course numbering system

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.

**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 cultural influence in the seventeenth 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, 152 UNITED STATES HISTORY (3-0-3)(AREA II).** First semester; the history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.

**HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(AREA II).** A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. PREREQ: High school course in World History or related subject matter or PERM/INST.

**HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(AREA II).** A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from early modern European times up through the modern twentieth century era. Not open to students with credit in HY 102. PREREQ: High school course in World History or related subject matter or PERM/INST.

**HY 205 LEWIS AND CLARK (2-0-2)(S).** A survey of the "corps of discovery" from Wood River, Illinois to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years.

**HY 210 INTRODUCTION TO THE STUDY OF HISTORY (3-0-3).** An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the applications of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses.

**HY 251 PROBLEMS IN U.S. HISTORY (3-0-3)(F/S)(AREA II).** Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

**HY 252 PROBLEMS IN U.S. HISTORY (3-0-3)(AREA II).** Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. PREREQ: High school history course or PERM/INST.

**HY 261 HISTORY OF MINORITIES IN THE UNITED STATES (3-0-3)(F/S).** Problems encountered by ethnic minorities in their quest for equal opportunity and equal rights. Alternate years.

**Upper Division**


**HY 307 MODERN GERMANY (3-0-3)(F/S).** The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 102 recommended. Alternate years.

**HY 308 FRANCE SINCE THE REVOLUTION (3-0-3)(F/S).** The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the fifth Republic by Charles deGaulle. HY 102 recommended. Alternate years.

**HY 309 THE RENAISSANCE (3-0-3)(S).** A study of European society, economic development, science, expression, humanism, and political concepts from the 12th through 16th centuries. PREREQ: HY 102 or PERM/INST. Alternate years.

**HY 310 THE REFORMATION (3-0-3)(F).** Survey of church-state relationships including the Babylonian Captivity, the Great Schism, the impact of the national state, the theological and political philosophies of reformers from Wycliff to the Council of Trent, and the worldwide impact of Protestantism, the Catholic Reform movement and dissident minority sects. PREREQ: HY 102 or PERM/INST. Alternate years.

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

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

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

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

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

**HY 320 ANCIENT ROME (3-0-3)(F/S).** A survey of Rome from its earliest beginnings through the development of the empire to the time of the late empire. PREREQ: HY 102. Alternate years.

**HY 323 EARLY CHRISTIANITY (3-0-3)(F/S).** A study of the rise and development of Christianity from its Jewish and Greek origins in the first century through its establishment and elaboration as the state religion of the late Roman empire in the fifth century. Doctrinal, ethical, organizational, liturgical and aesthetic developments within the Christian movement, and the political, social and cultural roles of the Church within the late empire are analyzed through the media of early Christian and contemporary pagan writings and artistic remains. PREREQ: HY 102 or PERM/INST.

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

**HY 327 LIVING RELIGIONS: A Comparative Historical Study (3-0-3)(F).** A comparative analysis of the major active religious traditions of the world, treating the historical development, philosophical foundations and social and political ramifications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Taoism, Shinto, Judaism, and Christianity. Recommended: HY 105. Alternate years.

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

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

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

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

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

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

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

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

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

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

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

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

HY 355 WESTERN AMERICA (3-0-3)(F). The frontier as a region in transit from the Atlantic seaboard to the Pacific coast, but largely the settlement and development of the American West. PREREQ: HY 151 or PERM/INST. Alternate years.

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

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

HY 358 THE GILDED AGE (3-0-3)(F). A study of United States history from 1877 to 1901 with emphasis upon industrial and concomitant social developments, emergence as a world power, and national responses to these changes, culminating with the Progressive Movement and Woodrow Wilson's "New Freedom." PREREQ: HY 152 or PERM/INST. Alternate years.

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

HY 367 COLONIAL LATIN AMERICA (3-0-3)(F). A study of the development of distinctive Latin American societies through the fusion of late medieval Iberian with American and African cultures in Middle and South America, with emphasis upon the creation of colonial institutions in the context of Spain's and Portugal's imperial rise and decline, and the early 19th century wars of independence. Recommended: HY 102. Alternate years.

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

LA 323 EARLY CHURCH LATIN LITERATURE (2-2-3)(F). Translation and analysis of selections from the major writings of the Latin Fathers of the early Church, such as Tertullian, Cyprian, Lactantius, Ambrose, Jerome, and Augustine. Recommended: A year of college Latin, and HY 323 Early Christianity. Alternate years.

LA 324 MEDIEVAL LATIN LITERATURE (2-2-3)(S). Translation and analysis of selections from significant medieval Latin writers, such as the papal biographers, Eggeria, Gregory of Tours, the Venerable Bede, Einhard, Pope Gregory VII, Fulcher of Chartres, Abelard, and Jacque De Virey. Recommended: A year of college Latin, and HY 324 Medieval Europe. Alternate years.

LA 498 ADVANCED LATIN TUTORIAL (0-0-3). Translation and analysis of rare and difficult Latin works and documents of late antiquity with professorial guidance and supervision; and discussions on materials and methodologies in teaching Latin. May be repeated once for a total of 6 hours of credit. Recommended: HY 481 European Seminar on Constantine and the Late Roman Empire. PREREQ: Upper Division Standing and PERM/INST. Offered as needed.

Department of Military Science (Army ROTC)

Pavilion, Room 2025 Telephone (208) 385-3500

Cadre: Chairperson and Professor: Lieutenant Colonel Larry W. Satterwhite; Assistant Professors: Bankhead, Carlson, Quirin; Instructors: Leach.

Department Statement

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

The objective of the Senior Division, Army ROTC, is to provide university students who have ability and desire the opportunity to become commissioned officers in the United States Army Reserve. In addition, the Senior Division provides a major source for officers in the Regular Army and 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 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; military history; management; leadership; map reading, land navigation and orienteering; 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 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 by permission of the chairman of the Department of Military Science.

Requirements for Army Commissions

Applicants for admission to the advanced course must:

1. have satisfied one of the following requirements: Completion of the basic course; successfully completed the six-week summer basic camp; completed Basic Training and Advanced Individual Training; and must have a minimum of 50 semester hours;
2. be able to complete all requirements for commissioning prior to their 30th birthday, 32 if they have 2 years of Active Duty;
3. successfully complete prescribed survey and general screening tests;
4. be approved 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 eight hours a week to the military training prescribed by the Secretary of the Army;
7. attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year;
8. enlist in the ROTC Control group (this enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student which require active enlisted duty if contract is voided due to fraudulent enlistment or willful evasion.)
9. agree to accept a commission if tendered;
10. serve as a commissioned officer for eight years to include an initial period of active duty of up to four years. If the Army does not require service on active duty, agree to serve an initial period of active duty training of three to six months and remain a member of, and participate satisfactorily in, a Reserve component until the eighth anniversary of such appointment unless sooner relieved under other provisions. Guaranteed Reserve Forces (GRF) assignments are available for those who do not want to compete for the active duty assignments. The GRF assignment allows officers to remain in Idaho and continue their civilian career plans as well as serve in the reserves with an Army Commission.
11. Complete the requirements listed for Precommissioning Military Qualification Standards (MQS) as listed below.

MILITARY QUALIFICATION STANDARDS PRECOMMISSIONING REQUIREMENTS

The United States Cadet Command has established several standardization requirements for all precommissioning ROTC programs across the United States.

These standardizations include the requirements for a cadet to complete the Military Science courses listed below, as well as one course in each of the following areas.

1. Written Communication. The English Composition requirements of BSU also satisfy the MQS requirement.
2. Human Behavior. Recommended courses to meet this requirement include General Psychology, Sociology or Anthropology (all of these courses can also be used to meet the BSU Area II Social Science requirements).
3. Military History. A Military History course will be offered every other Spring semester. When this course is not available, HY 152 or HY 359 with the written approval of the Professor of Military Science.
4. Courses in Management and National Security Studies are strongly recommended but are not required.
5. The following Physical Education classes are recommended. For students going to an ROTC Summer Camp, these classes are highly recommended:
   a. FA 163—Jogging
   b. PE 121—First Aid
   c. FA 297—Special Topics: Courses in Physical Aerobic Conditioning
   d. FA 297—Special Topics: Orienteering/Land Navigation
7. Math Reasoning. Recommended courses include Mathematics M 100, M 105, and M 106.

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

Financial Assistance: Each advanced course student receives an allowance of $100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, and medical and dental attention is paid as follows: Basic camp, $740 (approximately); advanced camp $840 (approximately); travel pay, 20 cents per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty.

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

Course Offerings

See page 20 for definition of course numbering system

ML MILITARY SCIENCE

Lower Division

ML 101 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an overview of ROTC to include the purpose and history of ROTC, introduction to land navigation, customs and courtesies of the military, rifle marksmanship, and first aid. Laboratory consists of progressive participation in leadership exercises, adventure training, and military branch orientation.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). This course is a continuation of ML 101. The student will receive further instruction in such military subjects as Cross-Country Skiing, Small-Unit Tactics, Individual Tactical Movement, First Aid, and Introduction to Leadership. Laboratory consists of progressive participation in leadership exercises, adventure training, and military skills orientation. PREQ: ML 101 or PERM/INST.

ML 201 INTRODUCTION TO LEADERSHIP (2-1-2). Prepares student for ROTC Advanced Course. Area emphasis will include Leadership, Land Navigation, Oral and Written Communications, and General Military Subjects as outlined by Military Qualification Skills (MQS I) guidance. Laboratory consists of progressive instruction in Land Navigation, Individual Military Skills, Adventure Training, and Military Professionalism.

ML 202 APPLIED LEADERSHIP (2-1-2). Prepares the student for the ROTC Advanced Course. The Applied Leadership course will concentrate on the instructional and practical application of Small-Unit Tactics, First Aid, and Military Professional Development. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation, and tactical instruction.

Upper Division

ML 301 LEADERSHIP AND MANAGEMENT (3-1-3)(F). 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 progressive participation in advanced leadership exercises, adventure training, and orienteering.

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

ML 390 MILITARY SCIENCE PRACTICUM (V-V)(SU). 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.

ML 401 ADVANCED TACTICS (3-1-3)(F). 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 advanced leadership by planning and conducting laboratory training.

ML 402 PROFESSIONAL PREPARATION (3-1-3)(S). 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.

ML 493 MILITARY SCIENCE INTERNSHIP (V-V)(F). Provides the senior student with the opportunity to apply the skills they have learned. This is completed by simultaneous membership in ROTC and Army Reserve/National Guard (P/N). Permission of department head required.

Department of Political Science

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

Chairperson and Professor: Dr. Gregory A. Raymond; Professors: Donoghue, Kinney, Moncrief, Overgaard, Skillern; Associate Professors: Freemuth, Sallie, Weatherby; Assistant Professors: Alm, Patton, Witt.

Degrees Offered

• BA and BS in Political Science (with emphasis areas in American Governmental Systems and Processes; International Relations; Political Philosophy and Public Law; and Public Administration)

• BA and BS in Political Science, Social Science, Secondary Education

• Master of Public Administration: see Graduate College for further details

Department Statement

The Department offers courses leading to a B.A. or B.S. degree in Political Science, with a choice of specified areas of emphasis. The Department also provides courses in support of the Social Science, Secondary Education option for teachers. The Department offers a minor in political science.

Political Science majors at Boise State University have an opportunity to enjoy a unique and challenging educational experience. The University’s location in the capital city provides many resources not readily available at other schools—such resources as the state law library, state archives, and state and federal government offices.

Majors in political science become prepared for further study at the graduate level, or for careers in government service, teaching, law, and public affairs and research. Many of our students become teachers or lawyers. Others work for large corporations as public affairs officers, or for federal, state, or local governments in numerous capacities. Some become reporters, lobbyists, or campaign managers; some have been elected to public office.

Degree Requirements

POLITICAL SCIENCE MAJOR

Bachelor of Arts Degree

Bachelor of Science Degree

1. General University and Core Requirements :: 45

2. All political science majors, regardless of chosen area of emphasis, must complete the following courses:

   - American National Government PO 101 :: 3
   - Contemporary Political Ideologies PO 141 :: 3
   - International Relations PO 231 :: 3
   - Introduction to Political Inquiry PO 298 :: 3
   - Advanced Political Science Methods PO 398 :: 3

   SUBTOTAL :: 15

3. Upper-division political science elective requirements :: 15

4. Area of Emphasis Requirements. A minimum of 15 credits must be completed in the student's chosen area of emphasis (see specific courses below) :: 15

A. American Governmental Systems and Processes Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

   - State and Local Government PO 102 :: 3
   - American Political Parties & Interest Groups PO 301 :: 3
   - Public Opinion & Voting Behavior PO 302 :: 3
   - Urban Politics PO 308 :: 3
   - American Chief Executive PO 309 :: 3
   - Legislative Behavior PO 312 :: 3
   - American Political Theory PO 331 :: 3
   - Constitutional Law PO 351 :: 3
   - American Political Economy PO 381 :: 3
B. International Relations Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

- Comparative Foreign Policy PO 311
- Introduction to Comparative Politics PO 321
- Comp Communist Party-State Systems PO 324
- Political Science of Industrialized Nations PO 329
- Comp Gov't/Politics of Developing Nations PO 333
- United States Foreign Policy PO 335
- International Law and Organization PO 421
- International Political Economy PO 429

C. Political Philosophy and Public Law Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

- American Political Theory PO 331
- Constitutional Law PO 351
- International Law & Organization PO 421
- Western Political Theory I PO 441
- Western Political Theory II PO 442
- Comparative Legal Systems PO 451
- Administrative Law PO 467

D. Public Administration Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

- State and Local Government PO 102
- Intro to Public Administration PO 303
- American Chief Executive PO 309
- Public Finance PO 310
- Public Policy PO 320
- Comparative Public Administration PO 465
- Administrative Law PO 467
- Intergovernmental Relations PO 469
- Organ Theory & Bureaucratic Structure PO 487

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

30 Credit Hour Program:

1. LOWER DIVISION
   - American National Government PO 101
   - State and Local Government PO 102
   - Contemporary Political Ideologies PO 141
   - International Relations PO 231

2. UPPER DIVISION
   - One course from each of the 4 areas of emphasis: 12
   - Upper division electives: 6
   - TOTAL: 30

15 Credit Hour Program:

- American National Government PO 101
- Contemporary Political Ideologies PO 141
- International Relations PO 231
- Two upper division political science elective courses: 6
- TOTAL: 15

NOTE: 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.

Political Science Internship Program

Participation in the internship program is strongly encouraged for Political Science majors. Political Science internships are most appropriate for junior and senior students. Students may serve as interns in the Idaho State Legislature, Office of the Governor, the Lt. Governor, or the Attorney General. In addition to providing valuable work experience, students may carry up to 12 academic credits for interning. These academic credits may be earned for every 150 hours of interning. Interns are also placed with local governments and the public affairs offices of major corporations.

NINE CREDITS FROM THE FOLLOWING COURSES:
- American National Government PO 101
- State & Local Government PO 102
- Contemporary Political Ideologies PO 141
- International Relations PO 231
- Intro to Political Inquiry PO 298

TWELVE CREDITS FROM THE FOLLOWING COURSES:
- American Parties & Interest Groups PO 301
- Public Opinion & Voting Behavior PO 302
- Intro to Public Administration PO 303
- Urban Politics PO 308
- American Chief Justice PO 309
- Public Finance PO 310
- Comparative Foreign Policy PO 311
- Legislative Behavior PO 312
- American Policy Process PO 320
- Introduction to Comparative Politics PO 321
- Comparative Communist Party-State System PO 324
- Politics of Industrialized Nations PO 329
- American Political Theory PO 331
- Comp Gov't & Pol of Develop Nations PO 333
- United States Foreign Policy PO 335
- Constitutional Law PO 351
- American Political Economy PO 381
- Advanced Political Science Methods PO 398
- International Law & Organization PO 421
- International Political Economy PO 429
- Western Political Theory I PO 441
- Western Political Theory II PO 442
- Comparative Legal Systems PO 451
- Comparative Public Administration PO 465
- Administrative Law PO 467
- Intergovernmental Relations PO 469
- Organizational Theory & Bureaucratic Structures PO 487
- Internship PO 493

Course Offerings

See page 20 for definition of course numbering system.

PO POLITICAL SCIENCE

Lower Division

PO 101 AMERICAN NATIONAL GOVERNMENT (3-0-3)/F(5)(AREA II). Institutions and processes of American political system, emphasizing social, ideological, and constitutional background.

PO 102 STATE AND LOCAL GOVERNMENT (3-0-3)/F(5). Institutions and processes of state and local government, with emphasis on state institutions and processes, federalism, and subnational political economies.

PO 141 CONTEMPORARY POLITICAL IDEOLOGIES (3-0-3)/F(5). Principal ideas characterizing liberalism, communism, fascism, and Nazism.

PO 231 INTERNATIONAL RELATIONS (3-0-3)/F(5)/AREA II. Nature of relations among nations with particular reference to contemporary international issues. Analysis of motivating factors, including nationalism, imperialism, communism, and international cooperation.

PO 298 INTRODUCTION TO POLITICAL INQUIRY (3-0-3). Introduction to techniques of political science inquiry, concentrating on behavioral and attitudinal data analysis. Includes an introduction to statistics and computer applications.

Upper Division

PO 301 AMERICAN PARTIES AND INTEREST GROUPS (3-0-3). 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 a variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO 101 or 102.

PO 303 INTRODUCTION TO PUBLIC ADMINISTRATION (3-0-3)(F/S). Theory, administrative organization, functions and problems of governmental units. PREREQ: PO 101.

PO 308 URBAN POLITICS (3-0-3)(S). An inquiry into different urban political systems and issues. Included are investigations into different governing arrangements in urban jurisdictions including variations in electoral structures, types of governing bodies, and different government structures. Also included is an analysis of the role of political parties and interest groups, as well as urban issues such as transportation, waste disposal, service delivery and financing. PREREQ: PO 102 or PERM/INST. Alternate years.

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


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

PO 312 LEGISLATIVE BEHAVIOR (3-0-3)(S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system. PREREQ: PO 101 or 102.

PO 320 AMERICAN POLICY PROCESS (3-0-3)(S). Process through which policy is determined, implemented and adjusted, with emphasis on role of administrators. PREREQ: PO 101 or 231 or PERM/INST.

PO 321 INTRODUCTION TO COMPARATIVE POLITICS (3-0-3)(F). An introduction to the cross-national analysis of the structure and functioning of various types of political systems, with special emphasis on the problems of political change. PREREQ: PO 101 or PO 231 or PERM/INST.

PO 324 COMPARATIVE COMMUNIST PARTY-STATE SYSTEMS (3-0-3)(F). Political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other communist party-states. Selected topics and problems relating to political institutions and political processes to define patterns of political relationships. Questions of political theory and political determinants in development of communist party-states. PREREQ: PO 101. Alternate years.

PO 329 POLITICS OF INDUSTRIALIZED NATIONS (3-0-3)(F). Political systems of selected industrialized nation-states, including Great Britain, France, German Federal Republic, Japan, and Scandinavian states. Analysis of patterns of political culture, political interests, political power, and selected public policy issues. PREREQ: PO 101 or PO 231 or PERM/INST.

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 POLITICAL DEVELOPMENTS IN 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). 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)(F). Case study of constitutional system and its concepts as revealed in judicial decisions. PREREQ: PO 101.

PO 381 AMERICAN POLITICAL ECONOMY (3-0-3)(S). Focuses on the interface between American politics and economic systems. Topics include: theories of the capitalist state and society, and different interpretations of American political economy through competing theoretical approaches. PREREQ: PO 101 or 141 or PERM/INST. Alternate years.

PO 398 ADVANCED POLITICAL SCIENCE METHODS (3-0-3)(S). Examination of discipline of political science, its central problems and unifying concerns; techniques of scientific political investigation as they relate to improved research methods. PREREQ: PO 298 or PERM/INST.

PO 421 INTERNATIONAL LAW AND ORGANIZATION (3-0-3)(F). Law of peace, international intercourse, war and threat of war, Pacific settlement, principles and practices of international law. Historical background of international organizations, including the United Nations. PREREQ: PO 101, 231 or PERM/INST.

PO 429 INTERNATIONAL POLITICAL ECONOMY (3-0-3)(F). Examines the relationship between international politics and international economics across different levels of analysis. Includes a discussion of the contending paradigms of international relations, as well as an analysis of the many relationships between among different nation-state groupings within the world system. PREREQ: PO 101, PO 231 or PERM/INST. Alternate years.

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

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

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3)(S). Principal legal systems of the world, with emphasis on ideological foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juridical concepts. PREREQ: PO 101, 141. Alternate years.


PO 467 ADMINISTRATIVE LAW (3-0-3)(F). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. PREREQ: PO 303 or PERM/INST.

PO 469 INTERGOVERNMENTAL RELATIONS (3-0-3)(F). Internal cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. PREREQ: PO 101, 102, 303.

PO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3)(F). 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.

PO 493 INTERNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for it should be made in early October.

Department of Psychology

Education Building, Room 629 Telephone (208) 385-1207

Chairperson and Professor: Linda J. Anooshian; Professors: Barsness, Chastain, Dodson, Snow; Associate Professors: Downs, Nelson, Nicholson, Weber; Assistant Professors: Hoyt, Leon, Ross, Seibert.

Degrees Offered

- BA and BS in Psychology

Special Information for Students

1. The College of Social Sciences and Public Affairs, 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 some latitude is allowed within the framework set by those requirements.

   The student should be aware, however, that the total program is designed to produce a graduate with a strong background in basic psychology, and should not regard successful completion of that program as a preparation to perform psychological services. Rather, the student 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
Degree Requirements

Upper Division Admission

All psychology majors must petition for upper division standing in the major. The evaluation of these petitions, as completed by the Psychology Major Selection Committee, serves to inform students of the likelihood of successful completion of upper division requirements for the psychology major.

Psychology majors who have not been admitted to upper division standing will not be allowed to enter upper division psychology courses; majors without upper division standing will be administratively withdrawn from upper division courses. Students with majors other than psychology (e.g., Social Work, Social Science) can enroll in upper division courses as long as they have fulfilled other stated prerequisites. However, students who have not been admitted to upper division standing by the Psychology Major Selection Committee will be denied a B.A./B.S. degree with a major in psychology.

To petition for upper division standing, psychology majors must submit a completed petition form and a current transcript to the Psychology Major Selection Committee. These materials must be received by the Psychology Major Selection Committee prior to the preregistration period for the semester for which the student is seeking upper division standing. Specific deadline dates will be posted in E-629. Minimum requirements for upper division standing in psychology include the following:

1. Admission to Boise State University.
2. Successful completion of the following courses with a grade of 'C' or higher:
   a. E101 and E102 English Composition
   b. B100 Concepts of Biology
   c. Z107 Concepts of Human Anatomy & Physiology
   d. One Core course in Mathematics (Area III) or 8 credits in mathematics (if not 'Area III Core' courses)
   e. P101 General Psychology
   f. P201 Intro Practice of Psychology
   g. P225 Physiological Psychology
   h. P295 Statistical Methods.
3. Completion of at least 58 credit hours (including courses in progress at time of application).
4. Cumulative GPA of at least 2.50.

**PSYCHOLOGY MAJOR**

Bachelor of Arts or Bachelor of Science Degree

FRESHMAN YEAR

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<th>Course</th>
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<td><em>Intro to the Practice of Psychology</em> P201</td>
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<td><strong>History (e.g., HY 101 or 102)</strong></td>
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SOPHOMORE YEAR

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<td><em>Physiological Psychology</em> P225</td>
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<td><em>Statistical Methods</em> P295</td>
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JUNIOR YEAR

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<td><em>Computer Applications in Soc Sci</em> SO 210</td>
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<td><em>Experimental Design</em> P321</td>
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<td><em>Psychology Seminar</em> P398</td>
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<td><em>Learning</em> P441</td>
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<td><em>P341, P343, or P345 and</em></td>
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<td><strong>Two courses from P405, P421, P499</strong></td>
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TOTAL

36
**Course Offerings**

See page 20 for definition of course numbering system

**P PSYCHOLOGY**

**Lower Division**

P 101 GENERAL PSYCHOLOGY (3-0-3)(F,S) (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 125 BRAIN, MIND AND BEHAVIOR (1-0-1)(Demand). An educational television series with accompanying textbook, the eight one-hour programs focus on the mysteries of consciousness, vision and movement, pain and anxiety, and behavior, memory, the relationship between thought and language, schizophrenia, and implications of brain research for the future. Examinations will be administered through the mail.

P 141 SECOND WIND (3-0-2)(F). Course specifically designed for "re-entry" students; women and men 25 years of age or older who are returning to school, or considering a return to school, after having been away for some years. Topics will include career and academic decision making, academic survival skills, making the transition to university life, time management, and stress management. The problems, opportunities and issues involved in meeting the demands of multiple roles will be considered. Pass/Fail.

P 151 CAREER AND LIFE PLANNING (3-0-3)(F,S). Career and Life Planning devotes three weeks to each of the following areas: (1) knowing self, (2) the world of work, (3) identifying resources, (4) actual career planning, and (5) proposed implementation of career and life plans. Students are expected to participate through work-study sheets, interviews and visitations and by arranging for resources pertinent to classroom activities. Pass/Fail. Limited enrollment. Cannot be used to meet Area I requirements.

P 161 ASSERTIVENESS TRAINING (3-0-3)(F,S). This course is designed to improve the communication skills of those who are experiencing difficulty in expressing their feelings and opinions openly, honestly, and constructively to others. Group techniques will include training films, behavioral rehearsals and role-playing. Pass/Fail. Limited enrollment.

P 201 INTRODUCTION TO PRACTICE OF PSYCHOLOGY (3-0-3)(S). An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designed for psychology majors but others accepted if they have completed the introductory course. PREREQ: P 101.

P 211 CHILD PSYCHOLOGY (3-0-3)(F,S). A study of development and adjustment from conception to adolescence with an emphasis on school-aged children. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Not for psychology majors. PREREQ: P 101.

P 212 ADOLESCENT PSYCHOLOGY (3-0-3)(F,S). Chronologically a continuation of child psychology P 211; 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. Not for psychology majors. PREREQ: P 101.

P 225 PHYSIOLOGICAL PSYCHOLOGY (3-0-3)(F). A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion and learning are studied from this point of view. PREREQ: P 101, Z 107.

P 251 PSYCHOLOGY OF ADJUSTMENT (3-0-3)(S). 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)(F,S). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual orientations and sex role deviations. Sexual orientation, sexual 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.

**P 295 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.

**Upper Division**

NOTE: Upper Division Psychology courses are saved for Upper Division students.


P 309 LIFE-SPAN DEVELOPMENT I (3-0-3)(F). Designed for psychology majors, the course emphasizes theories of human development including psychodynamic, behavioral, social-learning, and cognitive. Contemporary views of heredity and environmental contributions will be examined. Research designs appropriate to developmental issues will be explored. The emphasis will be on development from the prenatal period to adolescence. Credit cannot be obtained for both P 211 and P 309. PREREQ: P 101.

P 310 LIFE-SPAN DEVELOPMENT II (3-0-3)(S). A continuation of the study of human development with the emphasis on development from adolescence to death. Credit cannot be obtained for both P 212 and P 310. PREREQ: P 309.

P 313 PSYCHOLOGY OF AGING (3-0-3)(F,S). An examination of the functional changes occurring during the aging process. Topics will include contemporary methods in the study of aging, aging as a part of life-span development in perception, cognition, personality, achievement, and family relations. Attention will be given to mental health problems of the aged, diagnosis, and therapy. PREREQ: P 101.

P 321 EXPERIMENTAL DESIGN (2-4-4)(F,S). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data; reporting of behavioral research. PREREQ: P 295.

P 331 THE PSYCHOLOGY OF HEALTH (3-0-3)(F,S). Principles that have emerged from the experimental analysis of behavior will be examined. The principles include, among others, operant and classical conditioning. The course will deal with applications of these principles to the understanding and change of phobias, obesity, smoking, alcoholism, aberrant sexual behavior and similar problems. PREREQ: P 101.

P 341 PERCEPTION (3-0-3)(S). A survey of the basic concepts in the psychology of perception. Present day research findings and the human information processing model are emphasized. Although attention will be given to the structure of receptor system 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 351 PERSONALITY (3-0-3)(F,S). 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)(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. (Pass/Fail).

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). This course will examine sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101 or 105.

P 398 PSYCHOLOGY SEMINAR (1-0-1)(S). Selected topics of special interest to persons planning careers in psychology. Pass/Fail.

P 401 SENIOR REVIEW PRACTICUM (0-3-3)(F,S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with an upper division GPA above 3.0 and PERM/INST.

P 405-405G ADVANCED STATISTICAL METHODS (3-0-3)(S). Statistical concepts and methods commonly used in the treatment of data in the social sciences. These include advanced topics in univariate statistics (e.g., repeated measures designs) as well as current multivariate techniques such as discriminant analysis, factor analysis and principal component analysis. PREREQ: P 295 or equivalent or PERM/INST.

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


P 441 LEARNING (3-0-3)(F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. PREREQ: P 101 and P 295. P 321 may be taken before or concurrently with P 441.

P 489 SYSTEMS SEMINAR (3-0-3)(S). Theories and controversies in American Psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. PREREQ: Senior standing in Psychology.

P 493 INTERNSHIP IN PSYCHOLOGY (Variable Credit). Some internship experiences are available through the department. Credit may be granted for psychological activities in applied settings. PREREQ: Upper Division standing, Psychology major, cumulative GPA above 3.00 and PERM/INST.

P 495 SENIOR THESIS (0-3-3)(F,S). An individual research project in psychology selected by student. Proposal must be approved by instructor before enrolling. Recommended projects are those which contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. PREREQ: P 101 and P 321, PERM/INST.

P 496 INDEPENDENT STUDY IN PSYCHOLOGY (Variable Credit). Independent study is an opportunity to earn academic credit outside of the established curriculum. It assumes the confluence of two streams of interest—that of a student and that of a professor. Thus, enrollment is contingent on a voluntary commitment to the project by both parties. PREREQ: Upper Division standing, Psychology major, cumulative GPA above 3.00 and PERM/INST.

P 499 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; to prepare instructions, explanation, and written materials; to run subjects; to analyze results; and to write a research report in American Psychological Association style. PREREQ: P 321, PERM/INST.

### Degree Requirements

#### SOCIAL WORK MAJOR
Bachelor of Arts Degree

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

2. **LOWER DIVISION COURSES**
   - English Composition E 101, 102 .................................................. 6
   - Literature (Core)* ............................................................................. 6
   - Humanities (Core)* ............................................................................ 6
   - History (3 cr. from Core) .............................................................. 6
   - Concepts of Biology B 100 ............................................................. 4
   - Lab Science and/or Math (Core)* .................................................... 8
   - Communication ............................................................................. 3
   - Economics ..................................................................................... 3
   - Intro to Social Work SO 101 ........................................................... 3
   - Social Problems SO 102 ................................................................. 3
   - General Psychology P 101 .............................................................. 3
   - State and Local Government PO 102 ............................................... 3
   - Intro to Social Work SW 101 .......................................................... 3
   - Elementary Social Work Processes SW 201 .................................... 3
   - Intro to Multi-Ethnic Studies SO 230 .............................................. 3

3. **UPPER DIVISION COURSES**
   - Social Welfare Policy SW 301 ......................................................... 3
   - Human Behavior in Social Environment SW 321 ........................... 3
   - Social Work Stat & Research Methods SW 380 ......................... 3
   - Social Work Methods-Casework SW 385 ....................................... 3
   - Social Work Methods-Community Organization SW 430 .......... 3
   - Social Work Methods-Groupwork SW 435 .................................. 3
   - Psychology Electives ..................................................................... 6
   - Field Work SW 480, 481 ............................................................... 10
   - Social Sciences & Public Affairs Electives** .................................. 9
   - Senior Seminar SW 498, 499 ......................................................... 2

4. **ELECTIVES**
   - General Electives—Lower-Upper Division .................................... 20

*Core from: AR, HU, IH, MU, PY, TA, Foreign Language 201, 202. Humanities must represent two fields.

**Must be selected from: Social Work, Communication, Sociology, Anthropology, Criminal Justice Administration, Political Science, History. With approval of advisor.

#### Suggested Program

**BACHELOR OF ARTS DEGREE**

**FRESHMAN YEAR**

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<td>History (Core)</td>
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<td>State and Local Government PO 102</td>
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<tr>
<td>Introduction to Sociology SO 101</td>
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<td>General Psychology P 101</td>
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<td>Communication</td>
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**SOPOHOMORE YEAR**

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<td>Elementary Social Work Processes SW 201</td>
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<td>History</td>
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<td>Introduction to Multi-Ethnic Studies SO 230</td>
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**JUNIOR YEAR**

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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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### Department of Social Work

Education Building, Room 716
Telephone (208) 385-1568

Chairperson and Professor: David Johnson; Professors: Huff, Panitch; Associate Professor: Yunker; Assistant Professor: Nelson.

### Degrees Offered

- BA in Social Work

### Department Statement

The Baccalaureate Degree program in Social Work is fully accredited by the Council on Social Work Education. A major in Social Work prepares students for beginning social work practice and licensing by the State of Idaho.

Social Work offers an opportunity for a personally rewarding professional career to those who care deeply about the well-being of others. Social workers give direct services to individuals, families, groups, and communities. 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 and 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.

A 1990 telephone study of 45% of the 707 Social Workers (BA in Social Work) licensed in Idaho found almost three-fourths practicing social work with an average annual income of $24,000. Three out of every ten social workers licensed in Idaho are graduates of Boise State University.
Department of Sociology

Library Building, Room 218  Telephone (208) 385-3406
Chairperson and Professor: Martin Scheffer; Professors: Baker, Dorman; Associate Professor: Blain; Assistant Professor: Corbin.

Degrees Offered

- BA in Multi-Ethnic Studies
- AA in Social Science (Off-Campus locations only)
- BA, BS in Social Science
- BA and BS in Sociology
- BA in Sociology, Social Science, Secondary Education

Department Statement

Sociology’s concerns are central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving and full participation in public affairs through investigation and understanding of social processes and formations. The Department of Sociology offers four (4) bachelor degree programs, a minor for teaching certification, participates in the Canadian Studies and Interdisciplinary Gerontology minors and contributes to the Master of Public Administration degree program.

Degree Requirements

SOCIAL SCIENCE: LIBERAL ARTS OPTION

Bachelor of Arts Degree
Bachelor of Science Degree

1. General University and Basic Core Requirements:
2. Social Science Requirements:
   a. LOWER DIVISION CLASSES
      Total Lower Division Classes
      Anthropology AN 101, 102, 103
      Economics EC 205, 206
      History HY 101, 102, 105
      Sociology SO 101
      Communication CM 111, 112
      TOTAL
   b. UPPER DIVISION CLASSES
      Primary discipline
      Secondary discipline
      TOTAL
   c. METHODS CLASSES
      Comp Appl in Social Science SO 210
      HY 210, PO 398, SO 311 or CM 302
      TOTAL
      TOTAL/CREDITS FOR MAJOR
      46

Select from the following for primary and secondary field of study:
- Anthropology
- Political Science
- Communication
- Psychology
- Economics
- Sociology

*BA Degree requires one year of Foreign Language.

**Required Social Science Lower Division courses in the Liberal Arts Option cannot be used to satisfy Area II of the University Core.

SOCIAL SCIENCE: PUBLIC AFFAIRS OPTION

Bachelor of Arts Degree
Bachelor of Science Degree

1. General University and Basic Core Requirements
2. Social Science Requirements:
   a. LOWER DIVISION CLASSES
      Anthropology AN 101
      Social Justice CR 101
      Communication CM 112, 171
      Economics EC 205, 206
      History HY 152
      Political Science PO 101, 102
      Intro Social Work SW 101
      TOTAL

Senior Year

Course Offerings

See page 20 for definition of course numbering system

SW SOCIAL WORK

Lower Division

SW 101 INTRODUCTION TO SOCIAL WORK & WELFARE (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.

SW 201 ELEMENTARY SOCIAL WORK PROCESSES (3-0-3)(F/S).
Communication skills, interviewing techniques, and problem solving processes specific to social work practice are covered. Community social services are reviewed and five clock hours of social work practice are required in agency to facilitate the integration of values, knowledge and skills. Social work functions and career opportunities are delineated. PREREQ: SW 101.

Upper Division

SW 301 SOCIAL WELFARE POLICY (3-0-3)(F/S).
Reviews institutional social welfare and professional social work mechanisms to deal with the problems of social change. The course reviews how society has addressed social problems and individual needs; delineates social welfare policy development and methodology for analysis of policies. Ideological value bases are identified for understanding welfare policies. PREREQ: SW 201 and all lower division requirements.

SW 321 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT (3-0-3)(F/S).
Reviews the human systems framework, age-related stages of development with special attention to life crises related to each stage, and identifying developmental tasks with which social work interventions are especially concerned. Develops key concepts in understanding feminist, racial, ethnic and alternate life styles. PREREQ: SW 201, SO 101 and P 101.

SW 380 SOCIAL WORK STATISTICS AND RESEARCH METHODS (3-0-3)(S).
Provides an introduction to the scientific method and the basic elements of research methodology and statistics. The focus will be on the use of research in Social Work and the manner in which research intertwines with other Social Work methods. PREREQ: SW 301, SW 321.

SW 385 SOCIAL WORK METHODS-CASEWORK (3-0-3)(F/S).
Examines skills employed to serve individuals and families. Communication skills, problem solving process and case recording. PREREQ: SW 301, SW 321.

SW 430 SOCIAL WORK METHODS-COMMUNITY ORGANIZATION (3-0-3)(F/S).

SW 433 SOCIAL UTILITIES AND PERSONAL SERVICES FOR THE ELDERLY (3-0-3)(S).
This course includes policy issues and services that are or should be available to all aged, and special services that must be available for the frail, impaired and isolated aged. Content survey includes the Social Security Act, the Older American Act and its amendments, the programs and benefits including cash income support programs and non-cash income support programs, housing and occupational programs. Agencies and organizations will also be covered, as well as social services—eligibility and utilization. PREREQ: SO 325, P 313, B 300, or PERM/INST.

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 are covered. PREREQ: SW 301, SW 321.

SW 480 FIELD WORK I (3-0-5)(F).
Requires the student to work sixteen clock hours per week, as a practicing social worker under the teaching supervision of a professionally trained and experienced social worker. Must apply for admission into the field work program November preceding Fall registration period. PREREQ: SW 301, SW 301, 310, 380, 385; Cum GPA: 2.5; Major GPA: 3.0. PERM/INST.

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

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

SW 499 SENIOR LEVEL SEMINAR (1-0-1)(S).
Continuation of SW 498. Must be taken concurrently with SW 481.
Sociology SO 101, 102 ........................................... 3
Sociology Electives (Six must be Upper Division) ......... 12
TOTAL ...................................................... 27

b. UPPER DIVISION CLASSES
Primary discipline ............................................. 12
Secondary discipline .......................................... 6
Seminar SS 498 "Social Science & Public Affairs" ..... 3
Internship ....................................................... 1.3
TOTAL ......................................................... 24

TOTAL CREDITS FOR MAJOR ........................................ 51

Select from the following for primary and secondary field of study:
• Anthropology
• Economics
• Psychology
• Communication
• History
• Social Work
• Criminal Justice Admin.
• Political Science
• Sociology

*SBA Degree requires one year of foreign language.

SOCIOLOGY MAJOR
Bachelor of Science Degree

1. Completion of general university requirements for the Bachelor of Arts or Science degree as given in the Academic Information 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 II requirements.

2. Sociology Majors shall complete at least forty-one (41) credit hours in Sociology courses, including:

a. A twenty-six (26) credit hour major core consisting of the following courses:
   Introduction to Sociology SO 101 .......................... 3
   Theories of Society SO 201 .................................. 3
   Computer Applications in Social Science SO 210 .... 4
   Theories of Society SO 201 .................................. 3
   Elementary Social Statistics SO 310 ....................... 4
   Social Research SO 311 ...................................... 3
   Sociological Theory SO 400 ................................ 3
   Sociology Seminar SO 498 .................................. 3
   Senior Practicum SO 490 .................................... 3

b. Fifteen (15) credit hours of electives chosen from the Sociology course offerings are required for the major. The department maintains undergraduate specialization from which students may choose some of their elective courses:
   1. SOCIAL RESEARCH: Advanced Social Statistics SO 410, Advanced Research Methods SO 411, Internship(s) in social research settings SO 493.
   2. DISPUTE RESOLUTION: Social Conflict and Peacemaking SO 290, Conflict Management SO 390; The Sociology of Peace and War SO 395, Internship(s) in dispute resolution settings SO 493.

*BA Degree requires one year of a foreign language.

SOCIOLOGY
Bachelor of Arts*

Bachelor of Science Degree

1. General University Requirements
   Total Credits ................................................................ 51

2. Ethnic Studies Requirements:
   a. LOWER DIVISION CREDITS
      Introduction to Multi-Ethnic Studies SO 230 ............ 3
      Cultural Anthropology AN 102* ......................... 3
      Ethnic Literature Courses ................................ 6
      Minorities in U.S. History HY 261 ....................... 3

   b. UPPER DIVISION CREDITS
      Racial and Cultural Minorities SO 305 .................... 3

   c. ETHNIC COURSES
      Total Ethnic Credits ........................................ 30

      *(List of approved course offerings is available from Program Supervisors)

3. Total General Electives ....................................... 29
   Total Credits for Graduation ................................ 128

Multi-Ethnic Studies Minor

A. Requirements ...................................................... 9
   Intro to Multi-Ethnic Studies SO 230 ....................... 3
   Minorities in U.S. History HY 261 ....................... 3
   Ethnic Literature Courses .................................. 3

B. Ethnic Courses Electives ...................................... 12
   List of approved courses available from Program Supervisors.

Recommended Programs

SOCIOLOGY PROGRAM

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

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</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>Math for Liberal Arts Students M 100*</td>
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<td>Introduction to Sociology SO 101</td>
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<td>Cultural Anthropology AN 102*</td>
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<td>American National Government PO 101*</td>
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<tr>
<td>Introduction to Philosophy PY 101*</td>
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<td>History of Western Civilization HY 101*</td>
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SOPHOMORE YEAR

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<td>Science-Mathematics Elective</td>
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<td>General Psychology P 101*</td>
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<td>Theories of Society SO 201</td>
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<td>3</td>
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<tr>
<td>Computer Applications SO 210</td>
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<tr>
<td>Area I Electives (Core)</td>
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<tr>
<td>Science Electives for B.S. OR</td>
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<tr>
<td>Foreign Lang Elect for B.A.</td>
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JUNIOR YEAR

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<tr>
<td>Social Research SO 311</td>
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<tr>
<td>Sociology Electives</td>
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<tr>
<td>TOTAL</td>
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Course Offerings

**SO socIOLOGY**

**Lower Division**

**SO 101 INTRODUCTION TO SOCIOLOGY (3-0-3)(AREA II).** Groups, organizations and societies. Their impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

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

**SO 121 DATING AND MARRIAGE (3-0-3)(S).** An informative study and discussion of mate selection, marital relationships and adjustments, parenthood and related subjects, each 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 interpretive 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 (3-2-4)(F/S).** The objectives of this course are (a) to develop an understanding of computer applications of social science data and (b) to provide students an experience in the collection and analysis of social data with increased ease via the computer.

**SO 230 INTRODUCTION TO MULTI-ETHNIC STUDIES (3-0-3)(F/S)(AREA II).** This course views majority and minority relations and confronts, challenges and motivates students to know themselves better and understand some societal problems; viz, racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality.

**SO 290 (CR 290) SOCIAL CONFLICT AND PEACEMAKING (3-0-3)(F).** (Cross listed CR 290.) An introductory survey course covering broadly the kinds of conflict that occur between persons, groups, organizations and societies, with attention to why these conflicts arise, a range of peaceful solutions to conflicts using non-violent and non-violent methods. The course ranges from inner personal conflict and ends with the international nuclear arms race. This course may be taken for either CR or SO credit but not both.

**Upper Division**

**SO 305 RACIAL AND CULTURAL MINORITIES (3-0-3)(S).** Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. Alternate odd years. PREREQ: SO 101 or P 101 and upper division standing.

**SO 310 ELEMENTARY SOCIAL STATISTICS (3-2-4)(F/S).** The application of measurements to social research data. Basic statistical measures, techniques for their application, meaning and use in research. Recommended for majors to be taken in the junior year and followed by SO 311. PREREQ: SO 101, high school algebra. Upper division status.

**SO 311 SOCIAL RESEARCH (3-0-3)(S).** An introduction to the empirical basis of modern sociological methods of research design and the statistical analysis of social data. PREREQ: SO 101, 310 and upper division status.

**SO 320 RADICAL SOCIOLOGY (3-0-3)(F).** Analysis of contemporary radical power theory and its application in the study of modern socioeconomic problems. This course will examine issues of social importance from the perspective of conflict theory, new-Marxian and Elitist theory. PREREQ: SO 101 and upper division status. Alternate odd years.

**SO 325 SOCIOLOGY OF AGING (3-0-3)(F).** Analysis of aging as a social process emphasizing the changing roles as a result of the process; the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. PREREQ: SO 101 and upper division status. Alternate years.

**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 of violence may take are examined from a sociological perspective. PREREQ: SO 101 and upper division status. Alternate years.

**SO 331 DEVIANT BEHAVIOR (3-0-3)(F).** Analysis of behaviors which violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies—with those labeled deviant or with those doing the labeling. Alternate odd years. PREREQ: SO 101, upper division status.

**SO 340 SOCIOLOGY OF THE FAMILY (3-0-3)(F).** An analysis of courtship, marriage, kinship and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. PREREQ: SO 101, upper division status.

**SO 351 SOCIAL INSTITUTIONS (3-0-3)(F).** Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101 and upper division standing. Alternate years.

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

**SO 362 (CR 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F).** (Cross listed CR 362.) Historical development, processes and methods of operating the adult correctional system. Philosophy and development of treatment strategies to local, state, and federal correctional institutions. This course may be taken for either CR or SO credit but not both.

**SO 370 SOCIAL THEORY OF SEX ROLES (3-0-3)(S).** This course examines sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101, SO 101 and upper division status.

**SO 380 PSYCHOLOGICAL 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 390 CONFLICT MANAGEMENT (3-0-3)(F).** Examination of the causes of conflict, conflict management theory and conflict management techniques applied in interpersonal, intergroup, organizational and community settings. Discussion and application of the conflict management techniques will focus on resolving violent conflicts. PREREQ: SO 101 (CR 101) and social research. PREREQ: P 202, SO 201, and upper division standing.

**SO 395 THE SOCIOLOGY OF PEACE AND WAR (3-0-3)(S).** This course will focus on resolving violent conflicts between nations. It will survey the interpretations of life and death and the ways of life directed towards creating a more peaceful future. PREREQ: SO 290 and upper division standing.

**SO 400 SOCIOLOGICAL THEORY (3-0-3)(F).** In depth examination of Social Theory from the Enlightenment to the present which may have relevance for contemporary thought. Includes social research and social practice. PREREQ: SO 202, SO 201, and upper division standing.

**SO 403 SOCIAL CHANGE (3-0-3)(F).** Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper division standing. Alternate years.

**SO 407 SOCIOLOGY OF RELIGION (3-0-3)(F).** Social science perspectives on religion. Religion viewed as human activity influencing and being influenced by social, cultural, and personal contexts. Alternate years.

**SO 410-410G ADVANCED SOCIAL STATISTICS (3-2-4)(F).** 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 411-411G 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 431 SOCIAL PSYCHOLOGY (3-0-3)(F/S). The influence of social and cultural factors on individual behavior, perception and attitudes, including the effects of groups on their members. This course may be taken for either Psychology or Sociology credit, but not for both. PREREQ: SO 101, P 101 and upper division standing.

SO 435-435G DRUGS IN SOCIETAL CONTEXT (3-0-3)(F/S). This class applies the sociological perspective on social problems to drug use. It examines how different social groups use drugs, attempt to control and prohibit the use of drugs, and the societal effects of using and controlling the use of drugs.

SO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURE (3-0-3)(F/S). An examination of complex formal organizations, bureaucracy and human interaction, theory, research and findings are covered. May be taken for Sociology or Political Science credit (PO 487), but not for both. PREREQ: Senior standing, PERMINST.

SO 498 SENIOR PRACTICUM (1-7-3)(F, S). This course requires students to complete experiential learning at sites selected in consultation.


SS SOCIAL SCIENCE

Lower Division

SS 298 SEMINAR: THE AMERICAN CITIZEN (3-0-3)(F/S). An examination of the way in which Americans have conceived of the role of "citizen" with respect to public affairs, the definition of the public domain and the range of public roles.

Upper Division

SS 498 SEMINAR: SOCIAL SCIENCES & PUBLIC AFFAIRS (3-0-3)(S). An intensive seminar focusing on selected topics from theory and research which bear on the contributions of the Social Sciences to Public Affairs.
College of Business

Dean: Thomas E. Stitzel, Ph.D.
Associate Dean: Bong Shin, Ph.D.

Director of Graduate Studies: David F. Groebner, Ph.D.
Director of Research & Planning: Ronald R. Stone, MBA
Director of College of Business Student Services Center: Janet M. Centanni, MEd.


The College of Business at Boise State University is comprised of the five academic departments whose programs are described on the following pages and three Centers:

- Center for Management Development: James A. Acee, Director
- Idaho Business & Economic Development Center: Ronald Hall, Director
- Center for Economic Education: Gerald F. Draayer, Director

The mission of the College of Business is to provide leadership in business and economics in fulfillment of its designation by the State Board of Education for “primary emphasis.” In teaching, the College prepares undergraduate and graduate students for management and leadership responsibilities. In research, the College utilizes the resources of the region to extend knowledge of business and management. In service, the College advances the state’s economy through research, publications, technical assistance, and non-credit professional development programs directed at Idaho’s work force. The mission requires:

1. providing opportunities for individual growth and life-long learning,
2. enhancing students’ critical thought processes to prepare them for management and leadership responsibilities (see additional comments below),
3. increasing the quality of teaching and research,
4. contributing to the economic growth and well-being of Idaho and the Northwest through applied research,
5. establishing educational partnerships between the College and other public and private organizations, and
6. responding to new or special needs for research and education.

Students’ critical thought processes and management proficiencies are developed through a curriculum which provides significant exposure to arts and sciences core and elective coursework (comprising a minimum of 40 percent of the total degree requirements), a broad foundation of required business core courses, and frequent opportunities to practice computer and written-oral communication skills in advanced courses in the major. The increasingly significant implications of a global economy are stressed throughout the curriculum, and students have extensive opportunities to apply their analytical and problem-solving skills in actual business start-up and operational situations through Small Business Institute projects, consulting opportunities with the College’s Idaho Business and Economic Development Center, the Internship Program (see additional descriptions of internships below), and in a number of specific class assignments. As a further enriching dimension, students will encounter numerous leaders in business and management through the College’s various speaker programs.

Accreditation

The College of Business’ baccalaureate and MBA programs are accredited by the American Assembly of Collegiate Schools of Business (AACSB), the nationally recognized accrediting agency for programs in business administration and management. Approximately one in five business programs, nationwide, have achieved this important recogni-
The College of Business requires admission to upper division standing. Financial aid and compensation are possible. Video exceptional opportunities for students to develop business skills. Business faculty members. Academic credit is awarded and financial assistance is provided. Boise area companies and governmental institutions provide exceptional opportunities for students to develop business skills. Some of the campus organizations that offer students a chance to expand their educational opportunities. In addition, the College of Business has a chapter of Beta Gamma Sigma (BGS), the national scholastic honor society for business students. BGS chapters are chartered only at AACSB accredited business colleges.

Special Requirements and Options
The Bachelor of Business Administration (BBA) degree is available by completing all requirements for that degree as described in the Baccalaureate Degrees section of this Catalog and listed on the following pages under the appropriate major. Additionally, College of Business students may qualify, at their option, for the BA or BS degree by completing the additional Liberal Arts or Science course requirements for those degrees. Faculty advisors should be consulted about these additional requirements.

Transfer of Credits: In general, the College of Business limits transfer of credits for business courses which apply to business degree requirements only to such courses as it offers at the same level. In other words, a lower division transfer course cannot be accepted to satisfy an upper division requirement of the College of Business. Department Heads may authorize validation of such lower division courses by certain techniques such as CLEP, departmental competency examinations, and/or special permission to enroll in higher level classes for which the course in question is a prerequisite. See the Department Head for details.

Specialized Programs: A special curriculum leading to a two year Associate Degree in Marketing-Mid-Management is available. Most credits earned in this curriculum may later be applied toward the Bachelor degree. However, 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: Boise area companies and governmental institutions provide exceptional opportunities for students to develop business skills in a "real world" environment. Students' internship assignments are jointly supervised by company management and BSU College of Business faculty members. Academic credit is awarded and financial compensation is possible.

Upper Division Admission
Administrator: Janet M. Centanni
Business Building, Room 203, Telephone (208) 385-3859

The College of Business requires admission to upper division standing by petition for all business majors. (This excludes the BA degree major in Economics: Quantitative Emphasis; Social Science Emphasis; and Social Science, Secondary Education.) All business majors are therefore required to meet the following "Minimum Criteria for Upper Division Admission" prior to enrolling in upper division College of Business courses. Business majors enrolling in upper division College of Business courses without upper division standing will be administratively withdrawn.

Minimum Criteria for Upper Division Admission
1. Admission to Boise State University
2. Successful completion of these lower division core courses (or equivalent courses): English E 101, 102; Mathematics M 105, 106; Economics EC 205, 206; Accounting AC 205, 206; Legal Environment of Business GB 202; Statistics PR 207; with grades of C or better.
3. Cumulative GPA of at least 2.4.
4. Completion of at least 58 credit hours, including courses in progress the application semester.
5. Selection of an authorized major.
6. Application with a transcript by October 1 for Spring semester and March 1 for Summer or Fall semesters.

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 General University 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 students are cautioned that Upper Division standing is a prerequisite for enrollment in 300 and 400 level courses and that several of the Lower Division courses listed above are specific prerequisites for certain Upper Division Courses in the College of Business.

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

- Business Communication AS 328
- Management & Organizational Behavior MC 301
- Principles of Marketing MK 301
- Principles of Finance FI 303

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

Accounting Minor
A student pursuing a degree from the College of Business at Boise State University may earn a minor in Accounting by satisfying the requirements listed below in addition to their major requirements.

REQUIRED COURSES:
- Intro Financial Accounting AC 205
- Intro Managerial Accounting AC 206
- Principles of Income Taxation AC 302
- Intro Accounting I AC 304
- Intro Accounting II AC 306
- Cost Accounting AC 351

ELECTIVE COURSES: Any one of the following:
- Anal, Design & Aud Acctg Syst AC 350
- Managerial Accounting AC 352
- Advanced Income Taxation AC 402

These courses must be completed with a grade of "C" or better.

Business Minor
Students pursuing a Business Minor are required to register with the Student Services Center in the College of Business.
A student pursuing a non-business major at Boise State University may earn a Business Minor by satisfying the requirements listed below in addition to their major requirements.

English Composition E 101, 102 ......................................................... 6
Math for Business Decisions M 105, 106 .............................................. 8
The student may substitute the two-semester mathematics sequence which is required in their major field.
Statistical Techniques for Decision Making I PR 207 ............................. 3
The student may substitute the statistical techniques class required in their major field.

Prin of Microeconomics EC 205 .......................................................... 3
Prin of Macroeconomics EC 206 ....................................................... 3
Intro Financial Accounting AC 205 .................................................... 3
Intro Managerial Accounting AC 206 ................................................ 3
Legal Environment of Business GB 202 ................................................. 3
Intro to Management Information Systems IS 310 ............................... 3
The student may substitute the computer literacy course required in their major field.

Upon completion of this set of classes, each with a grade of “C” or better, the student must then earn a “C” or better in any three upper division business classes for which the student has the specific prerequisites. At least two subject areas of business must be represented by the three selected classes.

Upper Division Business courses ......................................................... 9

Economics Minor

Any BSU baccalaureate student may earn a minor in economics by satisfying the requirements listed below in addition to their major requirements.

REQUIRED COURSES:
Prin of Microeconomics EC 205 .......................................................... 3
Prin of Macroeconomics EC 206 ....................................................... 3
Intro Financial Accounting AC 205 .................................................... 3
Intro Managerial Accounting AC 206 ................................................ 3
Legal Environment of Business GB 202 ................................................. 3
Intro to Management Information Systems IS 310 ............................... 3
The student may substitute the computer literacy course required in their major field.

ECONOMICS MINOR

ELECTIVE COURSES: Any three of the following upper division economics courses:
Money & Banking EC 301 ................................................................. 3
Public Finance FI 310 ........................................................................ 3
History of Economic Thought EC 311 .................................................. 3
Comparative Economic Systems EC 315 .............................................. 3
International Economics EC 317 .......................................................... 3
Regional Economics EC 321 ............................................................... 3
Urban Economics EC 322 ................................................................. 3
Radical Economics EC 325 ............................................................... 3
Labor Economics EC 327 ................................................................. 3
Natural Resource Economics EC 333 .................................................. 3
Bus Fluct & Econ Stabilization EC 405 .................................................. 3
U.S. Economic History EC 417 ............................................................ 3
Econometrics EC 421 ......................................................................... 3
Econometrics EC 422 ......................................................................... 3

International Business Minor

The International Business Minor will be offered to Business majors who seek more specialized courses in the international arena than are offered currently by the College of Business programs. Non-Business students must also complete requirements for a Business minor to obtain the International Business Minor.

REQUIRED COURSES:
International Transportation MG 344 .................................................. 3
Intro International Business GB 445 ................................................... 3
International Finance FI 430 ............................................................... 3
International Marketing MK 430 .......................................................... 3
International Relations PO 231 ............................................................ 3

ONE OF THE FOLLOWING POLITICAL SCIENCE COURSES:
Intro Comparative Politics PO 321 ....................................................... 3
Politics of Industrialized Nations PO 329 .............................................. 3
Comp Govt & Politics of Develop Nations PO 333 ............................... 3

ONE OF THE FOLLOWING HISTORY COURSES:
History of East Asia HY 316 ............................................................... 3
History of South Asia HY 329 ............................................................. 3
Modern Latin America HY 368 .......................................................... 3
European Diplomatic History HY 423 .................................................. 3
TOTAL ............................................................................................... 24

Department of Accounting

Business Building, Room 214  Telephone (208) 385-3461
Chairperson and Professor: William C. Lathen; Professor: Merz; Associate Professors: Bain, T. English, Koeppen, Medlin, Nix, Pirrong; Assistant Professor: D. English; Special Lecturers: Bates, Christensen, Demaree.

Degrees Offered

- BBA, BA, and BS in Accounting

Department Statement

The Department of Accounting at Boise State University has nearly 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 twelve full-time faculty. Eight have completed the doctorate; all are Certified Public Accountants; and three are Certified Managerial Accountants. Their research is recognized through publication in many professional and academic journals. 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 objectives of the accounting are:
1. To provide students with the technical and communication skills that will permit them to secure successful career opportunities in public accounting, industry, or in the public sector.
2. To provide students with a general education that will enable them to function as responsible citizens within our socio-economic environment. This includes an understanding of their professional, ethical, and social responsibilities.

The accounting program is intended to develop and enhance a student’s critical thinking, judgment, and communication skills. The curriculum requires extensive application of oral and written skills, analytical practice sets, and the exercise of professional judgment and decision-making. The use of the microcomputer in the learning process is paramount, particularly with the use of electronic spreadsheets as a tool for analysis, problem-solving, and modeling.

The accounting degree requires a comprehensive 134-hour program of studies. The program includes a minimum of 35 hours of broad-based education, including communications, mathematics, humanities, social sciences, and natural sciences; 42 hours of study in the common body of knowledge in business and economics; 30 credit hours of accounting; and 7 hours of free electives.

Because of the rigor and intensity of the upper division accounting program, students are strongly urged to consult with their advisor before entering upper division to develop an individual plan.

Recommended Program

ACCOUNTING PROGRAM
Bachelor of Business Administration Degree

FRESHMAN YEAR

<table>
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SOPHOMORE YEAR

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<tr>
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<td><strong>Statistical Techniques I PR 207</strong></td>
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**Legal Environment of Business GB 202** 3
Core Elective (Area III) 4
Non-Business Electives 3 7
TOTAL 16 16

**JUNIOR YEAR**
Intermediate Accounting I, II AC 304, 306 3 3
Cost Accounting AC 351 3
Anal, Design & Audit of Accnts Into Sys AC 350 3
Immediate Microeconomics EC 303 3
Business Communication AS 328 3
Intro Management Information Systems IS 310 3
Management & Organizational Theory MG 301 3
Principles of Production Management PR 345 3
Non-Business Electives 3 3
TOTAL 15 15

**SENIOR YEAR**
Prin of Income Taxation AC 302 3
Organizational Behavior MG 401 3
Business Policies GB 450 3
Advanced Income Taxation AC 402 3
Auditing AC 405 3
Accounting Theory AC 440 3
Principles of Marketing MK 301 3
Principles of Finance FI 303 3
General Electives 4 3
TOTAL 16 15

**5TH YEAR***
Commercial Law GB 302 3
Commercial Electives*** 6
TOTAL 9

**TOTAL CREDITS REQUIRED FOR MAJOR** 134

*We urge that you do not try to "fit" your entire accounting degree program into a 4-year sequence, unless you attend one or more summer sessions.

**Core Courses:** The following courses (or permission of the instructor) are prerequisites for all Upper Division Accounting courses: AC 205, 206, 101, 102; EC 205, 206; PR 207; GB 202; plus M 105, 106 or M 111, 204.

**Elective electives** are to be chosen from: AC 332, 406, 465.

Accounting majors should plan to take an appropriate professional examination during or immediately following their last semester. Accordingly, students should anticipate 200-300 hours of intensive study for that examination. (This is roughly equivalent of 6 credit hours.)

**ACCOUNTING MINOR**

A student pursuing a degree from the College of Business at Boise State University may earn a minor in Accounting by satisfying the requirements listed below in addition to their major requirements.

**REQUIRED COURSES:**
Intro Financial Accounting AC 205 3
Intro Managerial Accounting AC 206 3
Prin of Income Taxation AC 302 3
Interm Accounting I AC 304 3
Interm Accounting II AC 306 3
Cost Accounting AC 351 3

**ELECTIVE COURSES:** Any one of the following courses:
Anal, Design & Aud Acctg Inform Syst AC 350 3
Managerial Accounting AC 352 3
Advanced Income Taxation AC 402 3

These courses must be completed with a grade of "C" or better.

**Course Offerings**

See page 20 for definition of course numbering system

**AC ACCOUNTING**

**Lower Division**

AC 205 INTRODUCTION TO FINANCIAL ACCOUNTING (3-0-3). Introduction to contemporary Financial Accounting in the business world. The emphasis is on obtaining an understanding of how financial statements are prepared and used. Includes the basic terminology, a theoretical framework and the double entry accounting system.

AC 206 INTRODUCTION TO MANAGERIAL ACCOUNTING (3-0-3)(FS). Introduces the student to accounting for corporations, financial statement analysis, and cost accounting concepts. PREREQ: AC 205.
Department of Computer Information Systems & Production Management

Business Building, Room 308
Telephone (208) 385-1181

Chairperson and Associate Professor: Gary I. Green; Professors: Brender, Clark, Groeber, LaCava, Shannon; Associate Professors: Gallup, Maxson, Minch, Warberg, G. Wojtkowski, W. Wojtkowski; Assistant Professors: Anson, Fry.

Degrees Offered
- BBA, BA, and BS in Computer Information Systems
- BBA, BA, and BS in Production and Operations Management

Department Statement
Career opportunities for graduates of our Computer Information Systems (CIS) majors and Production and Operations Management (POM) majors are excellent. There is a great demand by industry and government for individuals who have a solid, educational background of the kind provided by our programs. Our students are assured of receiving a high quality education because:
- We have a highly qualified and dedicated faculty. All full-time faculty in the department hold doctoral degrees and are engaged in state-of-the-field scholarly work. The faculty is dedicated to the teaching profession and utilizes a variety of innovative teaching methods. Our faculty is genuinely interested in the education and well being of our students.
- The curriculum is at the forefront of developments in each field and has been updated to reflect the many changes that have occurred. Students will be challenged with the most current thinking in their discipline.
- There is a great deal of involvement with local organizations. Our department has advisory boards of business leaders who work with the department to enhance our educational mission. A number of internships are offered and students are encouraged to take advantage of such a unique learning experience. Most instructors bring into class seasoned professionals as guest lecturers. Many classes also require projects involving field work, in addition to on-site tours at local firms.
- Student organizations provide leadership opportunities as well as educational programs. The student chapter of the Data Processing Management Association (DPMA) has had a tradition of serving the educational, social, and professional needs of our CIS majors. The newly formed Production and Operations Management Association will offer similar advantages to POM students.
- After graduation our students will join a distinguished group of alumni, many who hold key positions at some of our nation's best organizations. Many of our alumni are actively involved in supporting our programs.

Technology, global competition, and the demand for greater productivity are changing the nature of business. Graduates of our CIS and POM programs will receive an education to help prepare for exciting and challenging leadership career positions to bring about change.

Recommended Programs

COMPUTER INFORMATION SYSTEMS MAJOR
Bachelor of Business Administration Degree

Computer Information Systems (CIS) is a field of study merging several different disciplines such as organizational behavior, management, accounting, management science, and computing technology. The central focus of CIS is the development and maintenance of information technology to support organizational business processing and decision making activities. The basic purpose of the program is to prepare students for careers in providing information technology services. For example, a CIS major would have a number of career tracks to consider including end-user computing, database administration, application programming, systems analysis and development, information center service, operations, communications specialist, and information resource management. The CIS program provides thorough education in computing and general business, along with a broad background in the arts and sciences. The CIS program emphasizes a balance between technological, human, and organizational considerations involving the application of information technology.

FRESHMAN YEAR

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SOPHOMORE YEAR

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<td>Statistical Techniques I &amp; II PR 207, 208</td>
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<td>Intro to Financial Accounting AC 205</td>
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<td>End-User Computing IS 217</td>
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<td>Intro to Bus Appl Programming (COBOL) IS 221</td>
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JUNIOR YEAR

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<tr>
<td>Management &amp; Organizational Theory MG 401</td>
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<td>Database Management Systems IS 317</td>
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<tr>
<td>Principles of Marketing MG 328</td>
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<td>Business Communications AS 328</td>
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<td>Systems Analysis and Design IS 320</td>
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<td>Principles of Finance FI 303</td>
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<td>Principles of Production Management PR 345</td>
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<td>Business Ethics &amp; Soc Respons GB 360</td>
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<td>CIS Major Elective</td>
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SENIOR YEAR

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<td>Manufacturing Systems PR 408</td>
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<td>Information Resource Management IS 950</td>
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<td>Business Policies GB 450</td>
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<td>*International Business Elective</td>
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*International Business Electives include a choice of three classes: EC 315 Comparative Economics, or EC 317 International Economics, or GB 445 International Business.

NOTE: All courses in the major (designated by IS) must be completed with a grade of 'C' or higher.

PRODUCTION AND OPERATIONS MANAGEMENT
Bachelor of Business Administration

The Production and Operations Management (POM) major is dedicated to insuring United States manufacturing and service industries are highly productive and competitive in today's global economy. To accomplish this objective, the POM major integrates fundamentals from most of the functional areas of business such as information management, finance, economics, accounting, and marketing with the analytical techniques and skills necessary for competent decision making. Classes emphasize quality and productivity through real applications and interaction with practitioners from local businesses and government. Students are encouraged to add depth to their study through internships and directed independent study. Graduates should be especially well prepared for advancement to decision making positions in either the private or public sector.

FRESHMAN YEAR

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<th>Course</th>
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<td>Computer Applications IS 101</td>
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### Course Offerings

See page 20 for definition of course numbering system

#### IS COMPUTER INFORMATION SYSTEMS

**Lower Division**

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<td>COMPUTER APPLICATIONS (3-0-3)(F,S)</td>
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<td>IS 103</td>
<td>MANAGEMENT OF BUSINESS KB 202</td>
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<td>IS 205</td>
<td>Intro to Financial Accounting AC 203</td>
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<td>Statistical Techniques I, II PR 207, 208</td>
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<td>Intro Mgmt Information Systems IS 310</td>
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<td>Principles of Marketing MK 301</td>
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<td>PR 345</td>
<td>Prin of Production Management PR 345</td>
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<td>IS 361</td>
<td>Management &amp; Organizational Theory MG 301</td>
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<td>Business Ethics &amp; Social Responsibility GB 360</td>
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<td>Quality Control Techniques PR 380</td>
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<td>Business Communications AS 328</td>
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<td>PR 366</td>
<td>Management Science Models PR 366</td>
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<td>Cost Accounting AC 351</td>
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**Senior Year**

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<td>Organizational Behavior MG 401</td>
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<td>Manufacturing Systems PR 308</td>
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<td>PR 409</td>
<td>Management of Service Operations PR 409</td>
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<td>PR 416</td>
<td>Purchasing &amp; Distribution PR 416</td>
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<td>IS 453</td>
<td>Decision Support Systems IS 453</td>
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<td>GB 450</td>
<td>Business Policies GB 450</td>
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<td>MG 405</td>
<td>Management of Technology MG 405</td>
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**Upper Division**

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<tr>
<td>IS 320</td>
<td>SYSTEMS ANALYSIS AND DESIGN (3-0-3)(F,S)</td>
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<td>PR 207</td>
<td>STATISTICAL TECHNIQUES FOR DECISION MAKING I (3-0-3)(F,S)</td>
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<td>PR 208</td>
<td>STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-0-3)(F,S)</td>
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<td>PR 345</td>
<td>PRINCIPLES OF PRODUCTION MANAGEMENT (3-0-3)(F,S)</td>
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<td>PR 366</td>
<td>MANAGEMENT SCIENCE MODELS (3-0-3)(F,S)</td>
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<td>PR 380</td>
<td>QUALITY CONTROL TECHNIQUES (3-0-3)(S)</td>
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<td>PR 408</td>
<td>MANUFACTURING SYSTEMS (3-0-3)(F)</td>
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<tr>
<td>PR 409</td>
<td>MANAGEMENT OF SERVICE OPERATIONS (3-0-3)(S)</td>
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**TOTALS**

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<tbody>
<tr>
<td>Upper Division</td>
<td><strong>16</strong></td>
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</table>
associated with service operations will be considered and contrasted to those of production systems. Special demands for organization and control will be reviewed as well as the identification of elements of success. The case method will be used extensively. PREREQ: MG 301, PR 345, and Upper Division Business standing.

PR 416 PURCHASING AND DISTRIBUTION SYSTEMS (3-0-3)(F). This course introduces concepts associated with purchasing and distribution in manufacturing and service systems. Typical purchasing topics will include supplier selection, legal and ethical considerations, order size and timing. Typical distribution topics will include transportation modeling, carrier selection, materials handling, and flow analysis. PREREQ: MG 301, PR 345, and Upper Division Business standing.

PR 493 INTERNSHIP (Variable Credit)(F/S). Field learning in a Production and Operations Management environment under supervision of both a manager and a professor. PREREQ: Upper Division Business standing.

Department of Economics

Business Building, Room 311 Telephone (208) 385-3351
Chairperson and Professor: Peter M. Lichtenstein; Professors: Payne, Reynolds; Associate Professors: Draayer, Skoro, Twight; Assistant Professors: Loucks, Talbot.

Degrees Offered
- BA in Economics, Quantitative Option
- BA in Economics, Social Science Option
- BA in Economics, Social Science, Secondary Education
- BBA in Economics

Department Statement
Economics has been called "a study of mankind in the ordinary business of life." Economists study the means by which people and societies decide what sort of goods and services to produce, how they allocate resources to see that such production is carried out, and how they divide the income created in the process. Accordingly, economics courses deal with national economic health and the behavior of industries and individual firms as well as the decisions made by individuals in households and families. Over the years the body of theories and methods developed by economists has become an indispensable tool in household and business decision-making and in the formation of public policy.

Students who plan to enter the job market immediately after college find their degree useful in obtaining jobs in management and other areas where training in systematic thinking and competence in empirical analysis are prized. Economists Ryan Amacher and Holly Ulbrich noted that:

Undergraduate economics majors are recruited by business firms in all sizes ranges, from small, local companies to the very largest multinational corporations. An economics degree prepares students to compete with students from marketing, management, and finance as well as with students that have liberal arts majors, such as history and political science. (Principles of Microeconomics 3rd Edition. Cincinnati: Southwestern; 1998, p. 566)

Many students who major in economics are planning to attend graduate school. A major in economics is excellent preparation for law school, for MBA programs, or for graduate work in economics or other social sciences. Students planning a career in teaching will also find a major in economics to be an excellent asset to bring into the job market.

BSU offers three paths to a degree in economics—a Bachelor of Arts, a Bachelor of Business Administration, and a Bachelor of Arts with a secondary education option. Those interested in a Bachelor of Arts degree in economics design a program which looks much like other programs in the College of Arts and Sciences or College of Social Sciences and Public Affairs. They choose to pursue, along with their work in economics, a program of study that concentrates in either social sciences or natural sciences and mathematics. Students wanting more of a business emphasis follow a program leading to a Bachelor of Business Administration degree which includes, aside from the work in economics, all of the upper- and lower-division core courses required of other College of Business students. Students planning to enter secondary school teaching may choose to pursue a Bachelor of Arts degree with a secondary education option. These students do considerable work in economics along with concentrated work in two other social sciences and teaching methods.

The economics department has a long tradition of excellent scholarship and teaching. Faculty are consistently rated among the best teachers on campus and have been so for years. They are also known and respected by other economists throughout the region.

Degree Requirements

ECONOMICS MAJOR
SOCIAL SCIENCE OPTION
Bachelor of Arts Degree

1. TOTAL Requirements
   General University and Major Requirements 128

2. LOWER DIVISION COURSES (Total) 51

   English Composition E 101, 102 or E 111, 112 6
   Literature (Area I Core) 3
   Introduction to Philosophy PY 101 3
   *Other Arts and Humanities (Area I) Core Courses 6
   Principles of Microeconomics EC 205 or EC 205H 3
   Principles of Macroeconomics EC 206 or EC 206H 3
   History of Western Civilization HY 101, 102 6
   Social Science (Area II Core other than HY or EC) 3
   Math M 105, 106 or M 111, 204 8
   Natural Science (Area III Core) 3
   Intro Financial Accounting AC 205 3
   Statistical Techniques PR 207 3

3. UPPER DIVISION COURSES (Total) 45

   Intro to Management Information Systems IS 310 3
   Intermediate Microeconomics EC 303 3
   Intermediate Macroeconomics EC 305 3
   History of Economic Thought EC 311 3
   Econometrics EC 421, 422 6
   Economics Electives 12
   **Upper-division social science electives 15

4. ELECTIVES **Lower or Upper Division 32
   *Must include at least one Area I field other than literature or philosophy.
   **Selected from psychology, political science, sociology, anthropology, geography, or history.
   ***Among these courses must be at least 5 credits in Arts and Humanities (Area I) or Non-economics Social Sciences (Area II). 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 (M 204-206 or M 211, 212) and Linear Algebra (M 301).

Recommended Program

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#### ECONOMICS MAJOR QUANTITATIVE OPTION
Bachelor of Arts Degree

1. TOTAL Requirements
General University and Major Requirements: 128

2. LOWER DIVISION COURSES (Total): 50 or 53
- English Composition E 101, 102 or E 111, 112: 6
- Literature (Area I Core): 3
- Introduction to Philosophy PY 101: 3
- Other Arts and Humanities (Area I) Core Courses: 6
- Principles of Microeconomics EC 205 or EC 205H: 3
- Principles of Macroeconomics EC 206 or EC 206H: 3
- History of Western Civilization HY 101, 102: 6
- Problems of Western Civilization HY 201, 202: 6
- Social Science (Area II) Core other than HY or EC: 3
- Calculus and Analytical Geometry M 204, 205, 206: 13 or 10
- Accelerated Calculus M 211, 212: 4
- Natural Science (Area III Core): 4
- Intro Financial Accounting AC 205: 3

3. UPPER DIVISION COURSES (Total): 46 or 48
- Intermediate Microeconomics EC 303: 3
- Intermediate Macroeconomics EC 305: 3
- History of Economic Thought EC 311: 3
- Econometrics EC 421, 422: 6
- Economics Electives: 12
- Intro to Management Information Systems IS 310: 3
- Linear Algebra M 301: 4
- Statistics M 361 or PR 207, 208: 4 or 6
- Upper Division Decision Science or Math Electives: 8

4. ELECTIVES **Lower or Upper Division: 27 to 32**

**Among these courses must be at least 6 credits in Arts and Humanities (Area I) or Non-economics Social Sciences (Area II). These courses need not be chosen from the list of core courses. They may be either lower or upper division.**

### Recommended Program

#### FRESHMAN YEAR

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#### JUNIOR YEAR

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<td>History of Economic Thought EC 311</td>
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### BUSINESS ECONOMICS MAJOR Bachelor of Business Administration Degree

1. TOTAL Requirements
General University and Major Requirements: 128
2. LOWER DIVISION COURSES (Total) ; 51 or 52
English Composition E 101, 102 or E 111, 112. 6
Other Arts and Humanities (Area I Core). 6
Principles of Microeconomics EC 205 or EC 205H 3
Principles of Macroeconomics EC 206 or EC 206H 3
Economics Social Science (Area II Core) 6
Math M 105, 106 or M 111, 104 8 or 9
Natural Science (Area III Core) 4
Intro to Financial Accounting AC 205 3
Intro to Managerial Accounting AC 206 3
Legal Environment of Business GB 202 3
Statistical Techniques PR 207, 208 6

3. UPPER DIVISION COURSES (Total) 51
Intermediate Microeconomics EC 303 3
Intermediate Macroeconomics EC 305 3
History of Economic Thought EC 311 3
Econometrics EC 421, 422 6
Economics Electives 12
Intro to Management Information Systems IS 310 3
Business Communications AS 328 3
Principles of Management MG 331 3
Principles of Marketing MK 301 3
Principles of Finance FI 303 3
Principles of Production Management PR 345 3
Organizational Behavior MG 401 3
Business Policies GB 450 3

4. ELECTIVES Lower or Upper Division (Total) 25 or 26
*Non-Business Electives 16
Free Electives 9 or 10

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

Those students considering or planning on graduate study in economics should complete a calculus sequence (M 204-206 or M 211, 212) and Linear Algebra (M 301).

Recommended Program

FRESHMAN YEAR 1st 2nd SEM SEM
English Composition E 101, 102 or E 111, 112 3 3
Math M 105, 106 or M 111, 204 4-5 4-5
Area I Core 3 3
Area II Core (Non-Economics) 3 3
*Non-Business Electives 3 3
TOTAL 15 16-17 16-17

SOPHOMORE YEAR
Prin of Microeconomics EC 205 or EC 205H 3 3
Prin of Macroeconomics EC 206 or EC 206H 3 3
Area III Core (Science) 3 4
Intro to Financial Accounting AC 205 3 3
Intro to Managerial Accounting AC 206 3 3
Statistics PR 207, 208 3 3
*Non-Business Elective 3 3
TOTAL 15 16

JUNIOR YEAR
Intermediate Microeconomics EC 303 3
Intermediate Macroeconomics EC 305 3
History Economic Thought EC 311 3 3
Intro Mgmt Information Systems IS 310 3 3
Prin Finance FI 303 3 3
Prin Marketing MK 301 3 3
Business Communication AS 328 3 3
Prin Production Management PR 345 3 3
*Non-Business Electives 4 4
TOTAL 15 16

SENIOR YEAR
Econometrics EC 421, 422 3 3
Economics Electives 6 6
Organizational Behavior MG 401 3 1
Business Policies GB 450 3 3
Free Electives 4-5 5-6
TOTAL 16-17 17-18

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

ECONOMICS MINOR
Any BSU baccalaureate student may earn a minor in economics by satisfying the requirements listed below in addition to their major requirements.

REQUIRED COURSES:
Principles of Microeconomics EC 205 3
Principles of Macroeconomics EC 206 3
Interm Microeconomics EC 303 3
Interm Macroeconomics EC 305 3

Any three of the following upper division economics courses:
Money & Banking EC 301 3
Public Finance EC 310 3
History of Economic Thought EC 311 3
Comparative Economic Systems EC 315 3
International Economics EC 317 3
Regional Economics EC 321 3
Urban Economics EC 322 3
Radical Economics EC 325 3
Labor Economics EC 327 3
Natural Resource Economics EC 333 3
Bus Fluct & Econ Stabilization EC 305 3
U.S. Economic History EC 417 3
Econometrics EC 421 3
Econometrics EC 422 3

Course Offerings
See page 20 for definition of course numbering system.

EC ECONOMICS

Lower Division
EC 205 PRINCIPLES OF MICROECONOMICS (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 206 PRINCIPLES OF MACROECONOMICS (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 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3)(S). A one semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 205 and EC 206.) PREREQ: none.

Upper Division
EC 301 MONEY AND BANKING (3-0-3). Analysis of the role of money, credit and the financial system in the U.S. economy through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. PREREQ: EC 205, EC 206.

EC 302 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 marginal decision is stressed. PREREQ: EC 205.

EC 303 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 206.

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, taxing, and indebtedness will be examined. The effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local problems. This course may be taken for either EC or PO credit but not both. PREREQ: EC 205, 206, or PERM/INST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3)(F). Study of the origins and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. PREREQ: EC 205, 206.

EC 315 COMPARATIVE ECONOMIC SYSTEMS (3-0-3). A comparative study of the goals and methods of various economic systems such as capitalism, socialism and communism. The study will be approached from both a theoretical and practical point of view. PREREQ: EC 206 or PERM/INST.

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 205, 206.

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 205, 206 or PER/INST.

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

EC 327 LABOR ECONOMICS (3-0-3)(F). Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed to emphasize the micro- and macroeconomic factors affecting workplace decisions. Development of the U.S. industrial relations system is reviewed along with public policies and these are contrasted with those of other Western industrialized societies. PREREQ: EC 205, 206.

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 205.

EC 405 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3) (Alternating 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.

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. This course may be taken either as EC or HY credit, but not both. PREREQ: EC 205, 206 or PER/INST. Alternating years.

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

Department of Management

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

Chairperson and Professor: Nancy K. Napier; Professors: Bigelow, Shin, Wines, Witterding; Associate Professors: Bixby, Glen, Waldorf; Assistant Professors: Frommueller, Furth, Gough, Kaupins.

Degrees Offered

- BBA, BA, and BS in General Business Management
- BBA, BA, and BS in Management, Entrepreneurial Option
- BBA, BA, and BS in Management, Human Resource Management Option

Department Statement

The goal of the Management Department is to graduate individuals who have acquired competency in management skills and the qualities of an educated person.

The Department of Management offers two majors (General Business Management and Management) and one minor (International Business). The General Business Management major provides a broad-based curriculum. Students majoring in General Business receive a background in a variety of business areas. The major is designed for students who do not wish to specialize in any single area of business.

Emphasis is placed on the development of logical thinking and the use of technical tools directed at recognizing and solving problems which occur in the business community.

A major in General Business Management is especially appropriate for those who desire to enter the management trainee programs offered by a great number of business corporations from the fast food industry to public utilities and financial institutions.

The Management major provides as fine a management education program for students as might be achieved anywhere in the country. This program emphasizes professionalism in these management areas.

Entrepreneurial Management option prepares those who wish to start their own business or perhaps work in a family-owned business. An entrepreneur is defined as one who organizes and directs a business undertaking assuming the risks for the sake of the profits. This option is a degree definitely designed to encourage the motivated self-starter. In a small to medium-sized business, the entrepreneur may assume many job titles and duties to enhance the possibility of a successful business venture.

Human Resource Management option prepares those who wish to be involved with the employee-employer relationship. The curriculum provides a solid foundation for those interested in the personnel process of a business and the administration and operation of a company's programs as they apply to employees.

The department also offers a minor in International Business: the International Business minor provides exposure to issues of concern for students who will work in companies doing business overseas, as well as those who may manage in a multicultural work force. The minor blends courses from three disciplines—business, political science and history—to provide a broader perspective for students operating in a global economy. Students may, for example, eventually work in the import-export field or manage overseas subsidiaries of multinational firms.

Recommended Programs

GENERAL BUSINESS MANAGEMENT MAJOR
Bachelor of Business Administration Degree

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<td>Commercial Law GB 302</td>
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<td>Fund of Speech Comm (Area II) CM 111</td>
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<td>General Psychology (Area II) P 101</td>
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<td>Mathematics (Area III) M 105, 106 or M 111, 204</td>
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<td>Electives (Area I)</td>
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### SOPHOMORE YEAR

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<thead>
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<tbody>
<tr>
<td>Principles of Microeconomics (Area II) EC 205</td>
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<td>Principles of Macroeconomics (Area II) EC 206</td>
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<tr>
<td>Intro Financial &amp; Managerial Acctg AC 205, 206</td>
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<td>Statistical Techniques I, II PR 207, 208</td>
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<td>Legal Environment of Business GB 202</td>
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<td>Non-Business Electives</td>
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<td>Technical Writing E 202</td>
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### JUNIOR YEAR

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<tbody>
<tr>
<td>Principles of Marketing MK 301</td>
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<tr>
<td>Management &amp; Organizational Theory MG 301</td>
<td>3</td>
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<tr>
<td>Principles of Finance FI 303</td>
<td>3</td>
</tr>
<tr>
<td>Labor Economics EC 327 or Interim Macro EC 305</td>
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<tr>
<td>Intro to Mgmt Information Systems IS 310</td>
<td>3</td>
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<td>Bus Ethics &amp; Soc Resp GB 360</td>
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<tr>
<td>Human Resource Management I MG 305</td>
<td>3</td>
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<tr>
<td>Employee &amp; Labor Relations MG 340</td>
<td>3</td>
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<tr>
<td>Business Communication AS 328</td>
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<td>Free Electives</td>
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### SENIOR YEAR

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<tbody>
<tr>
<td>Human Resource Management II MG 406</td>
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<tr>
<td>Human Resource Law MG 330</td>
<td>3</td>
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<tr>
<td>Government and Business GB 441</td>
<td>3</td>
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<tr>
<td>Principles of Production Management PR 345</td>
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<td>Organizational Behavior MG 401</td>
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<td>Collective Bargaining MG 415</td>
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<td>Management of Technology MG 405</td>
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<tr>
<td>Business Policies GB 450</td>
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<td>Free Electives</td>
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### INTERNATIONAL BUSINESS MINOR

The International Business Minor will be offered to Business majors who seek more specialized courses in the international arena than are offered currently by the College of Business programs. Non-Business students must also complete requirements for a Business minor to obtain the International Business Minor.

**REQUIRED COURSES:**
- International Economics EC 317
- International Transportation MG 344
- Intro International Business GB 445
- International Finance FI 430
- International Marketing MK 430
- International Relations PO 231

**ONE OF THE FOLLOWING POLITICAL SCIENCE COURSES:**
- Intro Comparative Politics PO 321
- Politics of Industrialized Nations PO 329
- Comp Govt & Politics of Develop Nations PO 333

**ONE OF THE FOLLOWING HISTORY COURSES:**
- History of East Asia HY 316
- History of South Asia HY 329
- Modern Latin America HY 368
- European Diplomatic History HY 423

**TOTAL**
- 24

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### Course Offerings

See page 20 for definition of course numbering system

**GB GENERAL BUSINESS**

**Lower Division**

**GB 101 INTRODUCTION TO BUSINESS (3-0-3).** Designed to acquaint the student with the many phases of business. An introduction to the business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Not recommended for four year business majors. Juniors and Seniors with declared business majors excluded.

**GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3).** Emphasis will be on both the external and internal legal environment of a business organization. Topics will include the nature and function of the legal process, administrative regulations, the interaction of business with the judicial, legislative, and executive branches of government, and the legal responsibilities of business. Freshmen excluded.

**Upper Division**

**GB 302 COMMERCIAL LAW (3-0-3).** This course provides an in-depth study of the legal principles relating to commercial transactions. Special emphasis will be placed on the following areas of law: agency, contracts, sales, commercial paper, secured transactions, and bankruptcy. PREREQ: Upper Division Business standing.

**GB 360 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY (3-0-3).** 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. PREREQ: Upper Division Business standing.
Department of Marketing and Finance

Business Building, Room 306
Telephone (208) 385-3356

Chairperson and Professor: Douglas J. Lincoln; Professors: Cornwell, Frankle, McCain, Manship; Associate Professors: Barney, Lane, Naumann, Ray; Assistant Professors: Maher, Schooley, Stephens, White.

Degrees Offered

- AS in Marketing-Mid-Management
- BBA, BA, and BS in Finance
- BBA, BA, and BS in Marketing

Recommended Programs

**FINANCE MAJOR**
Bachelor of Business Administration Degree

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AC 205</td>
<td><em>Intro to Financial Accounting</em></td>
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<td>AC 206</td>
<td><em>Principles of Microeconomics</em></td>
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<td>AC 207</td>
<td><em>Principles of Macroeconomics</em></td>
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<td><em>Intro to Financial Management</em></td>
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<td>AC 302</td>
<td><em>Intro to Managerial Accounting</em></td>
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<td>AC 303</td>
<td><em>Statistical Techniques I</em></td>
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<td>AC 304</td>
<td><em>Core Electives</em></td>
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<tr>
<td>AC 305</td>
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<td>AC 303</td>
<td><em>Statistical Techniques I</em></td>
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<td>AC 304</td>
<td><em>Legal Environment of Business</em></td>
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<tr>
<td>AC 305</td>
<td><em>Statistical Techniques II</em></td>
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<td>AC 306</td>
<td><em>Physical or Biological Science Elective</em></td>
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<td>AC 307</td>
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<td>AC 207</td>
<td><em>Principles of Macroeconomics</em></td>
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<td><em>Statistical Techniques I</em></td>
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<td>AC 304</td>
<td><em>Core Electives</em></td>
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<td>AC 305</td>
<td><em>Core Electives</em></td>
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<tr>
<td>AC 306</td>
<td><strong>TOTALS</strong></td>
<td>16</td>
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</tbody>
</table>

Department of Marketing and Finance

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

GB 445 INTERNATIONAL BUSINESS (3-0-3)(F). An overview of (1) the international business environment; (2) country characteristics and conditions affecting firms that conduct business overseas; and (3) firm level decisions about marketing, finance, personnel, and other functions. PREREQ: Upper Division Business standing.

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: Upper Division Business standing, senior standing plus FI 303, IS 310, MG 301, MK 301, PR 345.

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. PREREQ: Upper Division Business standing.

MG 305 HUMAN RESOURCE MANAGEMENT (3-0-3)(F/S). The functions of human resource management—selection, 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: Upper Division Business standing and MG 301 or PERM/INST.

MG 318 NEW VENTURE CREATION (3-0-3)(F/S). 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. PREREQ: Upper Division Business standing and MG 301 or PERM/INST.

MG 319 SMALL BUSINESS AND ENTREPRENEURIAL MANAGEMENT (3-0-3)(F/S). This course is a continuation of MG 318 New Venture Creation. 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: Upper Division Business standing and MG 318 or PERM/INST.

MG 330 HUMAN RESOURCE LAW (3-0-3)(F/S). 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. PREREQ: Upper Division Business standing.

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 concepts and terminology in labor-management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made. PREREQ: Upper Division Business standing.


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, use of formal and social power, persuading, and dealing with uncertainty. PREREQ: Upper Division Business standing.

MG 405 MANAGEMENT OF TECHNOLOGY (3-0-3)(F/S). Study of the business implications of major technological changes, such as computer integrated manufacturing, office automation, and telecommunications. Develops a framework for examining the strategic, structural, and socio-technical aspects of managing technological change in organizational settings. PREREQ: Upper Division Business standing and MG 301.

MG 406 HUMAN RESOURCE MANAGEMENT II (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: Upper Division Business standing and MG 305 or PERM/INST.

MG 415 COLLECTIVE BARGAINING (3-0-3)(S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics. 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: Upper Division Business standing and MG 330, 340, or PERM/INST.
To graduate, students must have a minimum of 40 upper division (300/400 level) credit hours and 128 total credit hours.

**MARKETING MAJOR**
Bachelor of Business Administration Degree

The Marketing curriculum is designed to provide students with a comprehensive background in marketing while still providing flexibility to adapt to individual and career goals. Therefore, the major requirements allow a student the ability to choose from an array of courses. The course work stresses pragmatic applications of marketing concepts through cooperative programs with the local business community. The marketing program is designed to prepare students for a variety of career positions including industrial sales, advertising, marketing research, and other market positions.

### FRESHMAN YEAR

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<th>Course Offerings</th>
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<td>English Composition E 101, 102</td>
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<tr>
<td>Fund of Speech Comm CM 111 (Area I)</td>
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<td>*General Psychology P 101 (Area II)</td>
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<td>*Mathematics M 105, 106 or M 111, 204 (Area III)</td>
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<td>Core Electives (Area I)</td>
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**SOPHOMORE YEAR**

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<td>Intro to Financial Accounting AC 205</td>
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<td>Intro to Managerial Accounting AC 206</td>
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<td>*Prin of Microeconomics E 205 (Area II)</td>
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<td>*Legal Environment of Business GB 202</td>
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<td>*Statistical Techniques II PR 207</td>
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<td>Physical or Biological Science Elec (Area III)</td>
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<td>Statistical Techniques II PR 208</td>
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**JUNIOR YEAR**

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<td><strong>Principles of Marketing MK 301</strong></td>
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<tr>
<td><strong>Management &amp; Organizational Theory MG 301</strong></td>
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<td><strong>Business Communication AS 328</strong></td>
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<td><strong>Intro to Mgnt Information Systems IS 310</strong></td>
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<td><strong>Principles of Production Management PR 345</strong></td>
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<td>Intermediate Microeconomics EC 303</td>
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<td>Intermediate Marketing Management MK 320</td>
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<td>Promotion Management MK 306</td>
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<td>Consumer Behavior MK 307</td>
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**SENIOR YEAR**

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<td>Organizational Behavior MG 401</td>
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<td>3</td>
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<tr>
<td>Marketing Research MK 415</td>
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<td><strong>Marketing Electives</strong></td>
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<tr>
<td>Adv Marketing Mgmt MK 425 (PREREQ: MK 415)</td>
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<tr>
<td>Business Policies GB 450</td>
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<tr>
<td><strong>Electives</strong></td>
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<td><strong>TOTALS</strong></td>
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</table>

To graduate, students must have a minimum of 40 upper division (300/400 level) credit hours and 128 total credit hours.

**MARKETING—MID-MANAGEMENT MAJOR**
Associate of Science

The Marketing—Mid-Management program is a two-year program leading to the Associate of Science degree. Students develop skills in sales, management, communication, and computer science, as well as other general academic areas. Instruction is given in basic business orientation, selling and management techniques, economics, foundations of mid-management in retail, merchandising, buying, and selling. Supervised work experience in cooperation with local businesses is part of the program. Students work for cooperating firms as part-time paid employees during their college training and are able to earn part of the income needed to cover their educational expenses while building a background of valuable experience in the distributive occupations. Many trainee positions as assistant managers, store buyers, department heads, and junior executives are available for students with two years of university training.

### Course Offerings

See page 20 for definition of course numbering system

**AS ADMINISTRATIVE SERVICES**

**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. Upper Division Business standing.

**AS 328 BUSINESS COMMUNICATION (3-0-3)(FS).** 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 memorandums 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 and Upper Division Business standing.

**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 and Upper Division Business standing.
FI FINANCE

Lower Division

FI 201 FUNDAMENTALS OF REAL ESTATE (3-0-3)(F/S). Essentials of real estate practice, titles, sales, financing, land descriptions, investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions.

FI 208 PERSONAL FINANCE (3-0-3)(F/S). (Formerly FI 108, Personal Finance.) This course addresses the growing complexity of financial decision making faced by the individual: how to avoid financial entanglements; installment buying; borrowing money; owning or renting a home; budgeting and money management; saving and investment alternatives; life, health, accident and auto insurance; personal income taxes and estate planning.

FI 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establishing and governing basic rights of ownership and use of real estate. The concepts of the modern real estate transaction, the real estate brokerage business, and the various legal relationships involved are discussed. PREREQ: GB 202 and FI 201.

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 acquainted students with investment vehicles, markets, and processes. Other topics will include speculation, options, and commodities.

Upper Division

FI 303 PRINCIPLES OF FINANCE (3-0-3)(F/S). An introductory course focusing on financial management of business enterprises. 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. PREREQ: Upper Division Business standing or PERM/INST.

FI 371 APPRAISAL OF REAL ESTATE (3-0-3)(F/S). Modern real estate appraising concepts and the technical skills employed in their application to residential property. PREREQ: Upper Division Business standing and FI 201.

FI 372 REAL ESTATE INVESTMENT AND TAXATION (3-0-3)(F/S). Real Estate from the investor (owner's) point of view with special attention to the tax aspects including risk and return analysis, property leverage, discounted cash flow, tax consequence of sales, exchanging, multiple exchanges, and computerized investment analysis. PREREQ: Upper Division Business standing, FI 201, 220 and FI 303.

FI 373 REAL ESTATE FINANCE (3-0-3)(F). Financial analysis and examination of the intricacies of the real estate mortgage markets, source of mortgage funds, federal government and mortgage markets, lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. PREREQ: Upper Division Business standing, FI 201 and FI 303.

FI 410-410G WORKING CAPITAL MANAGEMENT (3-0-3)(S). (Formerly FI 325, Financial Management.) This course considers the short-term financial management of a firm. Financial analysis of cash, current assets, and current liabilities. 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 Business standing and 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 Business standing, FI 303, and PR 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 Business standing, FI 303, and EC 301.

FI 421 DECISION PROCESSES IN BANKING (3-0-3)(S). The topics included in this course are those which involve 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 Business standing and FI 420.

FI 430 INTERNATIONAL FINANCE (3-0-3)(F). This course builds a strong foundation on the relationship among international financial institutions, market exchange rate determination and parity conditions across countries. Once the foundation is built, the multinational firm is examined in this framework. Included is working capital management, capital budgeting, and cost of capital for the multinational firm. PREREQ: Upper Division Business standing and FI 303.

Department of Marketing and Finance

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 include: 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 lecturers. PREREQ: Upper Division Business standing, FI 303, and PR 208.

FI 451-451G FRONTIERS IN FINANCIAL MARKETS (3-0-3)(S). This course focuses on novel 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 combination of theory and practice will be sought relying on lecture, test material, journal and trade articles, and guest speakers. PREREQ: Upper Division Business standing and FI 450.

FI 471 APPRAISAL OF INCOME PROPERTIES (3-0-3)(F/S). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are analyzed. PREREQ: Upper Division Business standing, FI 201 and FI 371.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3)(F/S). 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. PREREQ: Upper Division Business standing.

MK MARKETING

Upper Division

MK 301 PRINCIPLES OF MARKETING (3-0-3)(F/S). Describes the methods 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: Upper Division Business standing and MK 306.

MK 306 PROMOTION MANAGEMENT (3-0-3)(F/S). A comprehensive approach to creating and implementing advertising and promotional activities. New issues of consumer research are emphasized and integrated with the promotional mix. The economic and social criticisms of advertising are stressed to insure that managers are aware of the ethical responsibilities inherent in the job. PREREQ: Upper Division Business standing and 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: Upper Division Business standing and MK 301.

MK 320 INTERMEDIATE MARKETING MANAGEMENT (3-0-3)(F/S). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, planning and administering marketing programs. Consumer, industrial, institutional and international markets are considered. PREREQ: Upper Division Business standing and MK 301.


MK 416 APPLIED MARKETING RESEARCH (3-0-3)(F/S). An application of research concepts through the design, implementation, and completion of an actual research project. Advanced discussion of research design and statistical analysis will be conducted. PREREQ: Upper Division Business standing and MK 415.

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 and social responsibility of the sales manager. PREREQ: Upper Division Business standing and MK 301.


MK 430 INTERNATIONAL MARKETING (3-0-3)(F/S). An analysis of the creation, planning, and implementation of marketing strategies that cross national and cultural borders. PREREQ: Upper Division Business standing and MK 301.

MK 440 INDUSTRIAL MARKETING (3-0-3)(F/S). An analysis of activities related to the marketing of products and services to organizations including government agencies, profit and non-profit institutions, and commercial enterprises. PREREQ: Upper Division Business standing and MK 301.

MK 490 SEMINAR IN CONTEMPORARY TOPICS IN MARKETING. Provides an opportunity for study of topics of current interest in marketing. The topics will be selected based upon the interests of students and expertise of faculty. PREREQ: Upper Division Business standing.

MM MARKETING—MID-MANAGEMENT

Lower Division

MM 100 MID-MANAGEMENT (2-0-2)(F). 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 SALESMAINSHP (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. Study 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.
College of Education

Dean: Richard L. Hart, Ed.D.
Associate Dean: Kenneth L. Hill, Ed.D.

College of Education Emeriti:
Beitia, B. Bowman, P. Bowman, Boyles, Burtch, Chatburn, Connor, Dahlberg, Fairchild, Ison, Marks, Phillips, D. Smith, L. Smith, Steger, Torbet, Wallace

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 and fitness as lifelong activities.

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 Physical Education 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.

Teacher Certification
The College of Education is the unit responsible for the preparation of students seeking state certification as teachers. The Dean of the College is the official BSU representative responsible for recommending teacher certification for those students who successfully complete teacher education programs.

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 existing strengths of the campus and students are supported. Consequently the staff is involved in offering workshops and discussion groups designed to promote skill development and enhance the quality of student life.

The staff is available for consultation with individual students, clubs, classes, and organizations interested in student well-being. The staff is also available to serve a similar role for faculty, administrators, staff, and committees interested in professional consultation. Each of the 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.

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, NTE, GRE, GMAT and MAT.

Appointments can be made by calling 385-1601 between 8 a.m. and 5:00 p.m. Monday through Friday or by coming to the Center on the sixth floor of the Education Building. Interviews are generally from 30 to 60 minutes.
Accreditation

All teacher preparation programs, both graduate and undergraduate, at Boise State University are fully accredited by the National Council for Accreditation of Teacher Education (NCATE), and all are approved by the Professional Standards Commission of the State Board of Education. In addition, the program for the preparation of athletic trainers is fully accredited by the National Athletic Trainers Association (NATA).

Teacher Education Advisory Council

The Teacher Education Advisory Council serves as an all-university coordinating body for programs for the preparation of teachers. Membership is composed of department chairs of each department offering a major which leads to certification as a teacher and the deans of the colleges/schools in which those departments are housed. It is chaired by the Associate Dean of the College of Education.

Department of Health, Physical Education and Recreation

Gymnasium, Room 209 Telephone (208) 385-1570
Chairperson and Professor: Glenn Potter; Professors: Button, Hoeger, Vaughn; Associate Professors: Fahleson, Kozar, Lewis, Pfeiffer; Assistant Professors: Gibson, Miller, Petlichkoff, Thorngren, Wallace; Special Lecturers: Blanksma, Craner, Koto, Moore, Sandmire, Van Wassenhove; Educational Consultants: Priest, Wade, Weiss.

Degrees Offered

• BS in Athletic Training
• BS in Physical Education, Secondary Education
• BS in Physical Education, Non-Teaching Option
• MS in Exercise and Sport Studies

Department Statement

The Department of Health, Physical Education and Recreation has as its major focus the comprehension, development, and promotion of a healthy lifestyle. The aim, through teaching, research and service activities, is to improve and enrich the quality of life by helping people value and achieve self-fulfillment and wellness. Learning motor skills, adhering to accepted personal health practices, engaging in meaningful leisure and vigorous fitness activities, and appreciating the beauty of skillful movement of one's physical and biological environment are among the vehicles employed to accomplish this end.

Students completing a course of study within the Department shall have developed and demonstrated specified knowledge and skills in critical thinking, program planning and total fitness. Development of the competencies and resources necessary to be models of the profession will occur through an in-depth series of activity, theory, and practice courses. The process will enable graduates to interact effectively with people in espousing the philosophy of a healthy and skillful lifestyle.

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

1. Teaching Option: For students seeking to certify as teachers at the K-8, 6-12 or K-12 grade levels. Complimentary areas of emphasis include:
   a. Coaching: College of Education majors who want special preparation for public school coaching should also pursue this alternative.
   b. Athletic Training: For those who desire to prepare for the National Athletic Trainers Association Certification Examination and qualify as an Athletic Trainer/Teacher in a school setting.
   c. Health: For students requesting a minor in health education.

2. Non-Teaching, Physical Education: For students preparing for physical education related careers which do not require teacher certification.
   a. Exercise Science: Majors desiring a strong biological sciences and exercise physiology background as preparation for graduate school.
   b. Biomechanics: For those seeking additional understanding of the mechanical bases of human movement for coaching, research or preparation for graduate school.
   c. Health Promotion: This program is designed to prepare students for a career as a fitness consultant in the private sector and to successfully pass the American College of Sports Medicine Health/Fitness Instructor Certification Examination.

3. Athletic Training: For students preparing for the National Athletic Trainers Association (NATA) Certification Exam and qualification as an Athletic Trainer in a college, professional sport or sports medicine clinic. Also, many pre-physical therapy students pursue this option as an undergraduate degree.

Department Admission Requirements

Admission to Upper Division Standing: Admission policies provide students an opportunity to be evaluated prior to enrollment in upper division Physical Education classes. Applications must be submitted NO LATER THAN September 15 or February 15 depending when the applicants' total credit hours, including current course load, exceeds 57. Forms can be picked up from academic advisors and should be returned to G-209 along with a current transcript by the stated deadline.

Application Criteria

1. The student's total credit hours, including current course load, must exceed 57 credit hours.
2. The student must achieve a grade of "C" or better for each of the following lower division courses (program specific requirements are noted):

   E 101, 102 English Composition (Core)
   P 101 General Psychology (Area II Core)
   CM 111 Fund of Speech Communication (Area II Core)
   PS 100 Found of Physical Science (Area III Core)
   OR
   PH 101, 102 General Physiology (Biomechanics Pre-Physical Therapy only) (Area III Core)
   C 111, 112 Chemistry Sequence (Athletic Training, Exercise Science only) (Area III Core)
   Z 107 Concepts Human Anatomy Physiology (Biomechanics only)
   TE 201 Found of Education (Teaching option only)
   PE 100 Health Education
   PE 101 Foundations of PE
   PE 113 Rhythmic Skills
   PE 114 Fitness Foundation
   PE 115 Tumbling Skills
   PE 117 Sports Skills
   PE 122 Advanced First Aid or equivalent
   PE 230 Applied Anatomy
   PE 284 Microcomputers in PE or equivalent

3. The student’s cumulative GPA will determine acceptance to upper division standing according to:
   a. 2.50 or above = acceptance
   b. below 2.50 = denial
   Students not qualifying for admittance to upper division standing can reapply once their GPA is raised to at least a 2.50 and they have a “C” or better grade for each of the courses listed in item #2 above.

4. Each faculty member will be given an opportunity to submit in writing to the Chair recommendations as well as reservations regarding each student’s:
   a. involvement in professional activities (e.g., PE Major’s Club, departmental projects, etc.)
   b. performance level in fitness, academic and motor skills.
   c. commitment to becoming a model physical educator.
   The Chair will be obligated to discuss the issue(s) with the student as such is admitted or denied admission to upper division standing.

5. Those enrolling in upper division Physical Education courses without upper division standing will be administratively withdrawn.
6. Once admitted to upper division standing, student’s must maintain a cumulative 2.5 GPA before being permitted to enroll for student teaching, a PE 493 internship and/or graduate.

**Degree Requirements**

**PHYSICAL EDUCATION, SECONDARY EDUCATION**

**PHYSICAL EDUCATION, NON-TEACHING OPTION**

**Bachelor of Science Degree**

**GENERAL UNIVERSITY REQUIREMENTS**

- English Composition E 101, 102 ........................................... 6
- Area I Core ........................................................................ 12
- Area II Core ........................................................................ 12
- Area III Core .................................................................... 12
- Area II-III Electives ......................................................... 9
- TOTAL ................................................................................ 51

**PHYSICAL EDUCATION CORE REQUIREMENTS**

(Required of all Teaching and Non-Teaching Graduates)

- Foundations of Physical Education PE 101 .......................... 3
- Rhythmic Skills PE 113 .......................................................... 1
- Fitness Foundations PE 114 ............................................... 1
- Tumbling Skills PE 115 ....................................................... 1
- Sports Skills PE 117 ........................................................... 1
- Applied Anatomy PE 230 .................................................... 3
- Human Growth & Motor Learning PE 306 .............................. 3
- Evaluation in Physical Education PE 309 ............................. 3
- Exercise Physiology PE 310 ................................................. 3
- Kinesiology PE 311 .............................................................. 3
- Adapted Physical Education PE 451 ................................. 3
- TOTAL ................................................................................. 28-35

**In addition, students must demonstrate:**

1. Computer literacy by completing PE 284, a comparable computer course or by passing a proficiency exam offered by the department.
2. Competency in Advanced First Aid and CPR. This can be met by completing PE 122 or through the American Red Cross.
3. Competency in swimming. Testing will take place in PE 114 Fitness Foundations. If students fail to pass the test they will be required to take a Fitness Activity swimming class.

**NOTE:** 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.

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**Recommended Program**

**PHYSICAL EDUCATION, SECONDARY EDUCATION**

**FRESHMAN YEAR**

- English Composition E 101, 102 ........................................... 6
- General Psychology P 101 (Area II Core) ............................ 3
- Human Anatomy and Physiology Z 111, 112 (Area III Core) 8
- Health Education PE 100 ..................................................... 3
- Foundations of Physical Education PE 101 .......................... 3
- Rhythmic Skills PE 113 .......................................................... 1
- Fitness Foundations PE 114 ............................................... 1
- Tumbling Skills PE 115 ....................................................... 1
- Sports Skills PE 117 ........................................................... 1
- Advanced First Aid & CPR PE 122 or equiv .......................... 3
- Area I Core ........................................................................ 33

**NOTE:** Recommended the student take Psychology, Sociology and/or Philosophy elective.

**SOPHOMORE YEAR**

- Applied Anatomy PE 230 .................................................... 3
- Microcomputers in Physical Education PE 284 or equiv ............... 3
- Internship PE 293 ............................................................... 1
- Fund of Education TE 201 (Area II Core) ............................ 3
- Fund of Speech Comm CM 111 (Area II Core) .................... 3
- Fund of Physical Science PS 100 (Area III Core) .......................... 4-8
- General Physics PH 101, 102 (Area III Core) ........................ 6
- Area I Core, Second & Third Fields ......................................... 3
- Area II Core, Sociology Elective ........................................... 3
- Electives .............................................................................. 2
- TOTAL ................................................................................ 32

**JUNIOR YEAR**

- Human Growth & Motor Learning PE 306 .............................. 3
- Evaluation in Physical Education PE 309 ............................. 3
- Exercise Physiology PE 310 ................................................. 3
- Kinesiology PE 311 .............................................................. 3
- Conditioning Procedures PE 313 .......................................... 2
- Area I Core, Any Field ......................................................... 3
- Intro to Mechanics EN 205 .................................................. 3
- Dynamics of Rigid Bodies EN 206 ........................................ 2
- "Electives .......................... ...................................................... 9
- TOTAL ................................................................................ 31

**SENIOR YEAR**

- Adapted Physical Education PE 451 ...................................... 3
- Psych/Social Aspects of Activity PE 401 ................................. 3
- Internship PE 493 ............................................................... 6
- "Electives .......................... ...................................................... 16
- TOTAL ................................................................................ 28

**NOTE:** RECOMMENDED ELECTIVES: *24-31 credits* chosen from: PE 212, 236; EN 221, 223, 231, 301, 306; PH 207, 341; P 305.
# College of Education

## PHYSICAL EDUCATION, NON-TEACHING OPTION

### EXERCISE SCIENCE EMPHASIS

**FRESHMAN YEAR**
- English Composition E 101, 102 .................................................. 6
- General Psychology P 101 (Area II Core) .................................. 3
- Human Anatomy and Physiology Z 111, 112 (Area III Core) ........ 3
- Health Education PE 100 .......................................................... 3
- Foundations of Physical Education PE 101 .................................. 3
- Rhythmic Skills PE 113 .......................................................... 1
- Fitness Foundations PE 114 ...................................................... 1
- Tumbling Skills PE 115 .......................................................... 1
- Sports Skills PE 117 .............................................................. 1
- Advanced First Aid & CPR PE 122 or equiv ................................. 3
- Area I Core, Philosophy Elective ........................................... 3

**SOPHOMORE YEAR**
- Applied Anatomy PE 230 ......................................................... 3
- Microcomputers in Physical Education PE 284 or equiv ................. 3
- Internship PE 293 ................................................................. 3
- Area II Core, Any Field ........................................................ 3
- Fund of Speech Comm CM 111 (Area II Core) ............................. 3
- Found of Physical Science PS 100 (Area III Core) ......................... 4
- Area I Core, Second Field ..................................................... 3
- Area II Core, Sociology Elective .......................................... 3
- College Chemistry C 131-134 (Area III Core) .............................. 9

**JUNIOR YEAR**
- Human Growth & Motor Learning PE 306 .................................... 3
- Evaluation in Physical Education PE 309 .................................... 3
- Exercise Physiology PE 310 ................................................... 3
- Kinesiology PE 311 .............................................................. 3
- Conditioning Procedures PE 313 ............................................. 2
- Nutrition H 207 ................................................................. 6
- Area I Core, Third & Any Field ........................................... 6
- *Electives ................................................................. 10

**SENIOR YEAR**
- Cell Biology B 301 ................................................................. 3
- Organic Chemistry + Lab C 317, 319 ....................................... 5
- Human Physiology Z 401 ....................................................... 4
- Psycho/Social Aspects of Activity PE 401 .................................. 3
- Adapted Physical Education PE 451 ......................................... 3
- Internship PE 493 ................................................................. 3
- Health Promotion PE 417 ........................................................ 3
- *Electives ................................................................. 7

### HEALTH PROMOTION EMPHASIS

**FRESHMAN YEAR**
- English Composition E 101, 102 .................................................. 6
- Human Anatomy and Physiology Z 111, 112 (Area III Core) ........ 3
- General Chemistry C 107-110 (Area III Core) Recommended ........ 9
- Foundations of Physical Education PE 101 .................................. 3
- Rhythmic Skills PE 113 .......................................................... 1
- Fitness Foundations PE 114 ...................................................... 1
- Tumbling Skills PE 115 .......................................................... 1
- Sports Skills PE 117 .............................................................. 1
- Area I Core, Philosophy Elective ........................................... 3

**SOPHOMORE YEAR**
- General Psychology P 101 (Area II Core) .................................. 3
- Health Education PE 100 ........................................................ 3
- Advanced 1st Aid & CPR PE 122 or equiv .................................. 3
- Applied Anatomy PE 230 ......................................................... 3
- Microcomputers in Physical Education PE 284 or equiv ................. 3
- Fund of Speech Comm CM 111 (Area II Core) ............................. 3
- Found of Physical Science PS 100 (Area III Core) ......................... 4
- Area I Core, Second & Third Fields ....................................... 6
- Area II Core, Sociology Elective .......................................... 3
- Area II Core, Any Field ....................................................... 3

### JUNIOR YEAR
- Human Growth & Motor Learning PE 306 .................................... 3
- Evaluation in Physical Education PE 309 .................................... 3
- Exercise Physiology PE 310 ................................................... 3
- Kinesiology PE 311 .............................................................. 3
- Conditioning Procedures PE 313 ............................................. 2
- Electives — Fitness Activities ................................................ 2
- Nutrition H 207 ................................................................. 3
- Drugs: Use & Abuse H 109 ..................................................... 3
- Area I Core, Any Field ....................................................... 3
- Mgmt & Organ Theory MG 301 ............................................... 3
- Prin of Marketing MK 301 ..................................................... 3

### SENIOR YEAR
- Psycho/Social Aspects of Activity PE 401 .................................. 3
- Adapted Physical Education PE 451 ......................................... 3
- Health Programs: Methods & Adm PE 415 .................................. 3
- Health Promotion PE 417 ........................................................ 3
- Internship PE 493 ................................................................. 1
- Area II Core ................................................................. 3
- Organizational Behavior MG 401 .......................................... 3
- *Electives ................................................................. 8

**NOTE: RECOMMENDED ELECTIVES:** *(7-17 credits) chosen from: B 205; C 107-110; CM 221, 251, 478; FI 303; H 410, 414, 490, 497; MG 305, 340, 406; MK 306; P 251, 297, 305, 211, 212, 313, 435; PE 236, 405, 457; SO 325; FA 167.

## ATHLETIC TRAINING MAJOR

### BACHELOR OF SCIENCE DEGREE

The Boise State University Athletic Training Program (BSU-AT Program) is currently the only NATA approved undergraduate major in the Northwest. The BSU-AT Program operates within the Department of Physical Education. Graduates have the option of either a teaching or non-teaching Bachelor of Science degree.

Please note that this program is an NATA Undergraduate Program, therefore it is not possible to earn a Masters Degree in Athletic Training at Boise State University.

Undergraduate preparation in Athletic Training includes study in both academic and clinical settings. Academic preparation includes an extensive group of classes, including all of the following:
- Medical Terminology
- Training Room Modalities
- Introduction to Athletic Injuries
- Theory & Application of Advanced Athletic Training
- Therapeutic Exercise
- Injury Evaluation
- Internship in Athletic Training

The clinical program includes working in the athletic treatment centers on campus, being directly associated with an intercollegiate team, assisting with the intramural program, as well as with various sports events held both on and off campus. In addition, BSU is fortunate to be the only institution in the Western United States with a private sports medicine clinic on campus, the Idaho Sports Medicine Institute. Students are given the opportunity to complete internships at the clinic as part of their clinical experience. Internships are also available at local high schools, hospitals and physical therapy clinics in the Boise area.

Student athletic trainers are required to complete a minimum of 800 clinical hours in addition to the academic requirements. After a student has completed all the requirements they are recommended to take the NATA National Certification Examination. This exam consists of written simulation, objectives and an oral practical component. Upon successful completion, the student is granted Certified Status through the NATA.

Student athletic trainers work under the direct supervision of NATA Approved Clinical Instructors both on and off campus providing a vital medical support team for the various activity programs. The BSU-AT Program is committed to providing the highest quality program of study for future professionals in the Athletic Training Field.

All applicants should be aware that the AT Program is a “limited enrollment” program. That is, only a limited number of students can be admitted into the upper division courses during an academic year. Candidates are selected on the basis of their previous academic performance, related experiences, overall attitude and demonstrated interest. Students can only apply after they have completed two years of undergraduate coursework, including the following academic prerequisites:
Applications must be submitted no later than April 15th, in order to be considered for the following academic year.

For information you are recommended to phone Dr. Ron Pfeiffer, A.T.C., Curriculum Director at (208) 385-1570.

The Coaching Endorsement consists of two parts. Those desiring to coach at the elementary school level or as a volunteer in youth sport organizations should complete Part I which leads to American Coaching Effectiveness Program (ACEP) Level I certification. Completion of both Parts I and II is recommended for those desiring to coach sports at the interscholastic level.

### Part I — Volunteer Coaches

**Introduction to Coaching PE 107**

Complete one of the following:

- First Aid-CPR PE 121
  - Advanced First Aid-CPR PE 122
  - Intro Athletic Injuries PE 236
  - Consumer Health PE 405
  - American Red Cross Certification in First Aid-CPR 0

One Coaching Methods Course selected from:

- Coaching Baseball PE 250
- Coaching Basketball PE 251
- Coaching Football PE 252
- Coaching Women’s Gymnastics PE 256
- Coaching Tennis PE 257
- Coaching Track & Field PE 258
- Coaching Volleyball PE 259
- Coaching Wrestling PE 260
- Internship in Coaching Youth Sports 1

**ELECTIVES: Select two (6)**

- Drugs, Use and Abuse H 109
- Human Sexuality P 261
- Consumer Health PE 405

**TOTAL** 24

### Part II — Interscholastic Coaches

**Complete Part I** 48

**Anatomy & Physiology Z 107 or Z 111, 112**

**Conditioning Procedures PE 313**

**Psycho/Soc Aspects of Activity PE 401**

**Coaching, Nature of Profession PE 430**

One Coaching Methods Course selected from:

- Coaching Baseball PE 250
- Coaching Basketball PE 251
- Coaching Football PE 252
- Coaching Women’s Gymnastics PE 256
- Coaching Tennis PE 257
- Coaching Track & Field PE 258
- Coaching Volleyball PE 259
- Coaching Wrestling PE 260

Two skills courses that compliment coaching meth courses 1+1

**Internship “Interscholastic Athletics”**

**TOTAL** 34

### ATHLETIC TRAINING MINOR FOR PHYSICAL EDUCATION MAJORS

**Essen of Chemistry & Labs C 107-110**

**Medical Terminology H 101**

**Nurtition H 207**

**Training Room Procedures PE 120**

**Intro Athletic Injuries PE 236**

**Internship — Athl Trng PE 293**

**Conditioning Procedures PE 313**

**Psych/Soc Aspects of Activity PE 401**

**Advanced Athletic Training PE 402**

**Training Room Modalities PE 403**

**Injury Evaluation PE 422**

**Theory & Appl of Therapeutic Exercise PE 406**

**Internship — Athl Trng PE 493**

**Health Promotion PE 417**

**TOTAL** 44

### COACHING ENDORSEMENT

Pre-physical therapy students should take M 108 or M 111, C 131-134 instead of C 107-110 and Physics 101-102 instead of PS 100. It is also recommended that specific prerequisites course requirements be checked for the physical therapy schools the student plans to apply to and possibly attend.
K-12 ENDORSEMENT FOR PHYSICAL EDUCATION MAJORS
Child Psychology P 211 ............................................ 3
Dance for Children PE 357 ........................................ 2
Elem School PE Methods PE 361 .............................. 3
Elementary Student Teaching TE 477 .......................... 3-6
TOTAL .............................................................. 11-14

K-6 ENDORSEMENT FOR NON-PHYSICAL EDUCATION MAJORS
Rhythmic Skills PE 113 ............................................. 1
Fitness Foundations PE 114 ...................................... 1
Tumbling Skills PE 115 ............................................. 1
Sport Skills PE 117 .................................................. 1
Health Education PE 101 .......................................... 3
Found of Physical Education PE 101 ......................... 3
Internship in Elementary Physical Education PE 293 ...... 3
Human Growth & Motor Learning PE 306 .................. 3
Dance for Children PE 357 ................................. 2
Elem School PE Methods PE 361 ......................... 3
Adaptive Physical Education PE 451 ...................... 3
Elementary Student Teaching TE 477 ...................... 3-6
Anatomy & Physiology Z 107 or Z 111, 112 .......... 4-8
TOTAL .............................................................. 28-31

Course Offerings
See page 20 for definition of course numbering system

PE PHYSICAL EDUCATION

Lower Division
PE 100 HEALTH EDUCATION (3-0-3)(F/S). Covers nutrition, diseases, health needs, services, drugs, family living and personality structure and development. Enhances student adjustment toward effective functioning in a changing environment. Required of all PE and Athletic Training majors.

PE 101 FOUNDATIONS OF PHYSICAL EDUCATION (3-0-3)(F/S). 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 and Athletic Training majors.

PE 103 INTRODUCTION TO RECREATION (2-0-2)(S). Instruction in the growth and development of recreation education and its role in present-day society. Offered odd numbered years.

PE 107 INTRODUCTION TO COACHING (2-0-2)(F/S). An overview of the various elements that are critical to the coaching process including: coaching philosophy, sport psychology, practice planning, conditioning principles, injury prevention/rehabilitation, and sport management. Successful completion leads to American Coaching Effectiveness Program (ACEP) Level I certification. Special Fee: $7.00.

PE 113 RHYTHMIC SKILLS (0-2-1)(F). 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)(F/S). 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)(F/S). Professional activities. Instruction and practice in sports skills, emphasizing fundamentals, skill progressions and practical application. Required of all PE majors.

PE 120 TRAINING ROOM PROCEDURES (0-2-1)(F). Instruction in actual clinical aspects of campus athletic training programs, emphasizing observation and practical application. Required of all Athletic Training majors.

PE 121 STANDARD FIRST AID & CPR (1-2-1)(F/S). Instruction in and application of basic first aid and CPR training.

PE 122 ADVANCED FIRST AID & CPR (3-0-3)(F/S). Instruction in wounds, shock, poisoning, heat and cold injuries, skeletal injuries, water rescue, CPR extraction, emergency child-birth and training required for police, fire and ski patrol persons.

PE 123 FIRST AID INSTRUCTOR TRAINER COURSE (1-2-1)(S). Instruction in methods of teaching CPR and standard First Aid. Offered on odd numbered years.

PE 143 VOLLEYBALL (0-2-1)(F/S). Professional activity. Instruction and practice in volleyball, emphasizing fundamentals, strategy, conditioning and practical application.

PE 144 BASKETBALL (0-2-1)(F/S). Professional activity. Instruction and practice in basketball, emphasizing fundamentals, strategy, conditioning and practical application.

PE 160 LIFETIME FITNESS AND HEALTH (3-2-4)(F/S). A survey of contemporary fitness and health related issues. Emphasis is upon providing an understanding of basic concepts that are essential for knowledgeable decision making. Topics include: mental health, stress, fitness, nutrition, drug use/abuse, disease and aging. Lab experiences stress lifestyle changes and an opportunity to set and achieve personal goals. May be taken for Physical Education credit or Health Science credit (H 160), but not both.

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 212 TRACK AND FIELD (0-2-1)(F). Professional activities. Instruction and participation in track and field events for development of basic skills and techniques. Emphasizing fundamentals, conditioning and practical application. Offered on demand.

PE 217 WRESTLING (0-2-1). Professional activity. Instruction and participation in wrestling for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application. Offered on demand.

PE 218 RHYTHMIC GYMNASTICS (0-2-1). Professional activity. Instruction and participation in rhythmic gymnastics for development of basic skills and techniques, emphasizing fundamentals, skill progressions, conditioning and practical application. Offered on demand.

PE 230 APPLIED ANATOMY (2-2-3)(F/S). Investigation of human osteology, myology, arthrology and neurology as they relate to movement. Emphasis is on application of anatomy to principles of simple and complex movement. Required of all PE and Athletic Training majors. PREREQ: Z 107 or Z 111, 112.

PE 236 INTRODUCTION TO ATHLETIC INJURIES (2-3-2)(F/S). Introduction to principles of care and prevention of sport induced injury. Emphasis will be on identification and differentiation of minor and major trauma related to sports participation. Required of all Athletic Training majors.


PE 251 COACHING BASKETBALL (2-0-2)(F). Instruction in methods of coaching basketball with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing.

PE 252 COACHING FOOTBALL (2-0-2)(F). Instruction in methods of coaching football with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing.

PE 254 SPORT OFFICIATING (2-0-2)(S). Instruction in officiating sports for development of skills and application of methods to sports.

PE 256 COACHING WOMEN'S GYMNASTICS (2-0-2). Instruction in methods of coaching women's gymnastics with emphasis on fundamentals, skill progressions, safety, conditioning and practical application. PREREQ: Sophomore standing. Offered on demand.

PE 257 COACHING TENNIS (2-0-2)(S). Instruction in methods of coaching tennis with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing. Offered in spring on even numbered years.

PE 258 COACHING TRACK AND FIELD (2-0-2)(S). Instruction in methods of coaching track and field with emphasis on fundamentals, conditioning, meet organization/administration and practical application. PREREQ: Sophomore standing.

PE 259 COACHING VOLLEYBALL (2-0-2)(F). Instruction in methods of coaching volleyball with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing.

PE 260 COACHING WRESTLING (2-0-2). Instruction in methods of coaching wrestling with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing.

PE 261 COACHING TENNIS (2-0-2). Instruction in methods of coaching tennis with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing.

PE 262 ADVANCED LIFESAVING (1-2-2)(F/S). Instruction and participation in lifesaving skills. American Red Cross (ARC) course, including personal safety, self-rescue, rescue training skills and back injury problems. Upon entrance student must be able to swim 500 yards.

PE 263 WATER SAFETY INSTRUCTOR'S COURSE (1-2-2)(S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC, WSI certificate. Must have ARC advanced lifesaving certificate and ARC swimming level of skill.

PE 264 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F/S). An introduction to the use of microcomputers in physical education and allied disciplines. The course includes BASIC programming, selection and evaluation of hardware and software, and unique computer applications for physical educators.

PE 291 INTERNSHIP (1-3 credits)(S). Practicum field experience in physical education related areas. Prerequisite is successful completion of theory and practice of the assigned activity in various settings. Required in some options.

Upper Division

PE 300 CURRICULUM PROFICIENCY IN PHYSICAL EDUCATION (3-0-3)(F). The planning of school physical education programs, including the selecting, structuring, sequencing, demonstrating and evaluating of content.
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 INSTRUCTIONAL STYLES FOR TEACHING PHYSICAL EDUCATION (3-0-3)(S). Instruction and participation in the delivery of physical education lessons for school settings including class management, class organization, instructional methodology, observation skills and the evaluation of teaching. PREREQ: PE 300.

PE 306 HUMAN GROWTH AND MOTOR LEARNING (3-0-3)(F/S). Designed to give students a basic understanding of human growth and motor development, motor learning, psychology of learning, instruction and activity. PREREQ: Upper Division standing.

PE 309 EVALUATION IN PHYSICAL EDUCATION (3-0-3)(F/S). Instruction in philosophy of evaluation; test construction/evaluation/administration; statistical analysis and interpretation of test scores; computer applications for statistical analysis. PREREQ: Upper Division 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: Upper Division standing, PE 230.


PE 313 CONDITIONING PROCEDURES (1-2-2)(F/S). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis and prescription. PREREQ: Z 107 or Z 111, 112.

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)(F). Instruction in the analysis of fundamentally important skills and applications of methods in teaching dance to children. Offered in spring on odd numbered years.

PE 361 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS (3-0-3)(F/S). Instruction in methods of teaching elementary school physical education emphasizing movement needs, analysis and development of skills and practical application. PREREQ: Junior standing.

PE 369 MOTOR PROGRAMMING FOR SPECIAL POPULATIONS (2-0-2)(F). Instruction in motor growth and development, identification, assessment, prescription and methods of implementing fitness programs for special populations. PREREQ: Junior standing, PE 361.

PE 401-410G PSYCHO/SOCIAL ASPECTS OF ACTIVITY (3-0-3)(F/S). The course examines the social aspects of sport including values, education, religion, politics, social mobility and the economy. Psychological factors related to performance includes personality, motivation and anxiety. PREREQ: Junior standing.

PE 402-402G ADVANCED ATHLETIC TRAINING (3-3-3)(S). Instruction in advanced theory and application of techniques of athletic training for students pursuing a career as professional athletic trainer. PREREQ: PE 236, 311. Offered in spring on odd numbered years.

PE 403 TRAINING ROOM MODALITIES (2-0-2)(F). Instruction in theory and application of various therapeutic modalities for care and treatment of athletic injuries, emphasizing cryotherapy, thermal therapy, and electrical modalities. PREREQ: Junior standing, PE 236, 311. Offered in the fall on even numbered years.

PE 405 CONSUMER HEALTH (2-0-2)(S). Instruction in factors involved in the selection and evaluation of health services and products, emphasizing quantity awareness, consumer protection laws and organizations and health insurance considerations. PREREQ: Junior standing. Offered in the spring on even numbered years.

PE 406 THEORY AND APPLICATION OF THERAPEUTIC EXERCISE (2-2-3)(S). Introduction to the theory and application of physical exercise for the treatment of musculoskeletal disorders in athletics. Topics will include passive, assistive, active and resistive forms of exercise as well as the current therapeutic modalities available. PREREQ: PE 236, 311.

PE 415 HEALTH PROGRAMS: METHODS AND ADMINISTRATION (3-0-3)(S). Instruction related to issues, trends and current administrative practices in health education. Emphasis placed upon topic sequencing, individual and social health problems and methods of teaching health related topics. PREREQ: Junior standing.

PE 417 HEALTH PROMOTION (2-2-3)(F/S). Course is designed to familiarize students with current trends and health promotion strategies. Provides both a theoretical and utilitarian practical background in risk factors, program implementation, education intervention, exercise testing and corporate culture. PREREQ: PE 310 and Upper Division standing.

PE 422 INJURY EVALUATION (2-0-2)(F). Instruction in theory and application of basic passive and functional examination of traumatic conditions resulting from sports participation, emphasizing specific examination techniques. Offered in the fall on odd numbered years.

PE 430 COACHING-NATURE OF THE PROFESSION (2-0-2)(S). Nature of the coaching profession with emphasis on the functions of the coach in the interscholastic athletic program. PREREQ: Junior standing.

PE 433 LEISURE COUNSELING (2-0-2)(S). Instruction in meeting needs of a more free-time society through fitness, social, artistic, community and learning activities. Offered on demand.

PE 451 ADAPTED PHYSICAL EDUCATION (3-0-3)(F/S). Course is designed to acquaint physical education with the unique needs of the disabled. Emphasis will be on planning activities, games, sports and exercise programs that will contribute to the special student's developmental health and wellness. PREREQ: PE 230, 310 and Senior standing.

PE 457 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (2-2-2)(F/S). Instruction in Organization and Administration of physical education and athletic programs. Emphasis upon the role of physical education and athletic in the total education program. Required of all Physical Education majors. PREREQ: Upper Division standing.

PE 481 FACILITIES AND EQUIPMENT (2-0-2). Instruction in physical education and athletic facility and equipment care and planning, emphasizing needs, codes, materials, space requirements, equipment and supply purchase and care, and computer programming.

PE 493 INTERNSHIP IN PHYSICAL EDUCATION (1-6 Credits)(F/S). Practical field experience in physical education related areas. Opportunity to apply knowledge and then to apply in classroom to practical setting. Required in some options. PREREQ: Permission of instructor.

FA FITNESS ACTIVITY

The Fitness Activity Program provides for beginning, intermediate and advanced levels of instruction in a variety of activities to meet the needs and interests of the student. The courses meet two hours per week for one semester. One credit will be granted for successful completion. Eight credits of fitness activity courses may be counted toward graduation. No fitness activity courses will be repeated for credit.

Fitness activity course numbers provide the following information:
1. The first digit indicates skill level (I, II, III):
   a. LEVEL I courses are designed for the beginner who has had little or no
   b. LEVEL II is for the individual who has command of basic skills and is
   c. LEVEL III is for the individual who has command of intermediate skills
2. The second digit indicates the activity classification (1-aquatics, 2-dance,
3. The third digit indicates the specific activity (example: 1-kayaking, 2-skin

Lower Division

FA 111 KAYAKING (0-2-1)(F/S). Basic skills of kayaking. 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: full time students exempt. (Pass/Fail).

FA 112 SKIN AND SCUBA DIVING I (0-2-1)(F/S). Basic skin and scuba diving skills. Proper use of fins, 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: full time students exempt. (Pass/Fail).

FA 113 SWIMMING I (0-2-1)(F/S). 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

FA 114 RAFTING (0-2-1)(S). Basic skills of 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: full time students exempt. (Pass/Fail).

FA 115 AEROBIC SWIMMING (0-2-1)(F). Basic skills of swimming. 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: full time students exempt. (Pass/Fail).

FA 116 ROCK CLIMBING (0-2-1)(S). Learn proper climbing technique, bicycle mechanics, road safety and tour planning. Special fee: full time students exempt. (Pass/Fail).

FA 117 SAILING (0-2-1)(F/S). Learn the basic techniques of sailing. Instruction includes rigging, safety procedures, knot tying, terminology, boat care and navigation. Includes lectures and near shore sailing trip. Special fee: full time students exempt. (Pass/Fail).

FA 119 CYCLING (0-2-1)(F/S). Learn proper cycling technique, bicycle mechanics, road safety and tour planning. Special fee: full time students exempt. (Pass/Fail).

FA 120 ROCK CLIMBING (0-2-1)(F/S). Learn the challenge of rock climbing. Basic knots, rappelling, belaying and other climbing skills are taught. No experience necessary. Special fee: full time students exempt. (Pass/Fail).
FA 121 BALLET I (0-2-1)(F/S). A structured class in the basics of classical dance (Barre) work and technique with historical background stressed. Designed as a tool to help students gain strength and agility. (Pass/Fail).

FA 122 FOLK DANCE I (0-2-1). Instruction and participation in techniques and application of basic steps and patterns used in folk dances from different countries. (Pass/Fail).

FA 123 MODERN DANCE I (0-2-1)(F/S). 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)(S). Instruction and participation in dance fundamentals including: waltz, polka, jitterbug, footstom, western swing, cha cha, samba, tango, folk, square, round dances, and mixers. (Pass/Fail).

FA 125 JAZZ DANCE (0-2-1)(F/S). Basic fundamentals and techniques of jazz dance. (Pass/Fail).

FA 131 ARCHERY I (0-2-1). Provides the beginning archery students with instruction and participation in fundamental techniques of archery; target, field, clout, bow hunting, novelty, etc. (Pass/Fail).

FA 133 BOWLING (0-2-1)(F/S). 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)(F/S). Instruction and participation in golf for development of fundamental skills, rules, and proper etiquette of the game. Special fee required. (Pass/Fail).

FA 136 GYMNASTICS I (0-2-1)(Coed). Instruction and participation in gymnastics for development of fundamental skills and spotting and safety techniques. (Pass/Fail).

FA 141 DEFENSIVE TACTICS I (0-2-1). Defense against one or more persons, arrest, control devices, and individual/group activities. For criminoology 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)(F/S). Presentation of techniques based on the theory of energy conservation. Exercises the mental and physical powers possessed by each individual. GI required. (Pass/Fail).


FA 150 WINTER MOUNTAINEERING (0-2-1)(F/S). Course designed to teach a person how to cope with the mountain winter environment in comfort and safety. Includes mountaineering techniques, first aid, snow shelter, avalanche awareness, equipment, map and compass. Students spend the night in self-made shelters and put knowledge to practical application. Special fee: full time students exempt. (Pass/Fail).

FA 151 ALPINE SKIING I (0-2-1)(S). Basic skills and techniques of alpine skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail).

FA 152 BACKPACKING, CAMPING, AND SURVIVAL SKILLS I (0-2-1)(F/S). 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)(F/S). Basic skills and techniques of cross country skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail).


FA 155 FLYFISHING I (0-2-1)(F/S). A practical orientation and application of flyfishing skills for the beginning or experienced fly tier. The course will focus on tying dry and wet flies, nymphs, bucktails, and streamers. Special fee required. (Pass/Fail).

FA 156 TRAP AND SKEET SHOOTING I (0-2-1)(F/S). 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 must furnish shotgun, shells, and trap range fees. (Pass/Fail).

FA 157 CAVE EXPLORATION I (0-2-1)(F/S). Instruction includes information about types of caves, formations, formation growth, essential equipment and utilization, and the use of constructive safety techniques. Conservation of natural resources is emphasized as part of cave exploration field trips. Special Fee: full-time students exempt. (Pass/Fail).

FA 158 RECREATIONAL OUTDOOR PHOTOGRAPHY (0-2-1)(F/S). The mechanics of camera and flash systems are covered along with trouble shooting; use of shutter speed, aperture, and composition. The course consists of four (4) classroom sessions plus weekend field trips to various recreational settings where hiking is involved. Art students may not substitute this class for another photography course required as part of their major. Special fee: Full-time students exempt. (Pass/Fail).

FA 159 MOUNTAIN BIKING (0-2-1)(F/S). Equipment orientation, basic mechanics and maintenance, riding techniques, trip planning and logistics are all part of the itinerary. Several evening rides as well as an overnight trip in the backcountry are scheduled. Students must provide their own mountain bikes and helmets. Special fee: Full-time students exempt. (Pass/Fail).

FA 160 STRETCH AND TONE (0-2-1)(F/S). Instruction and participation in conditioning exercises and stretches for the development of fitness and flexibility. May be repeated for credit. (Pass/Fail).

FA 161 AEROBIC DANCE (0-2-1)(F/S). Instruction and participation in aerobic dance for the development of cardiovascular and neuromuscular fitness. May be repeated for credit. (Pass/Fail).

FA 162 ADAPTED PHYSICAL EDUCATION I (0-2-1)(F/S). Adaptive and corrective exercise programs to aid men and women who are unable to participate in a regular activity class. Course is structured to meet the special needs of the individual. May be repeated for credit. (Pass/Fail).

FA 163 JOGGING I (0-2-1). Instruction and participation in endurance running. The student will be tested and placed in a level suitable to his/her capabilities as to age and condition. Designed to develop and maintain the cardio-respiratory system. (Pass/Fail).

FA 164 PERSONAL FITNESS AND WEIGHT CONTROL I (0-2-1). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs. (Pass/Fail).

FA 165 WEIGHT TRAINING I (0-2-1). Instruction and participation in progressive body-building conditioning emphasizing 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 167 RELAXATION TECHNIQUES (0-2-1)(S). Knowledge and application of the scientific literature regarding the practice of physiological relaxation including autogenics, meditation and tension reduction leading to self mastery. (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)(F/S). Instruction and participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures. Students furnish racquets and balls. Protective eyewear required. (Pass/Fail).

FA 173 TENNIS I (0-2-1)(F/S). Instruction and participation in tennis for development of fundamental skills, rules, and basic strategy. Students furnish rackets and balls. (Pass/Fail).

FA 174 BASKETBALL I (0-2-1)(F/S). 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)(F/S). Instruction and participation in volleyball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 187 SOCCER I (0-2-1)(F). Instruction and participation in soccer for development of fundamental skills, rules and basic team strategy. (Pass/Fail).

FA 190 CLUB SPORTS I (0-2-1)(F/S). Instruction and participation in club sports approved by the BSU Student Senate. Club advisor's approval required. (Pass/Fail).


FA 213 SWIMMING II (0-2-1). Instruction and participation in swimming for development of intermediate skills and techniques. May be repeated for credit. (Pass/Fail).

FA 216 WHITEWATER CANOEING (0-2-1)(F/S). Students can canoe whitewater rivers and have the opportunity to experience surfing, eddy turns and river hydraulics. American Red Cross Certification is available. All equipment is supplied. Participants must be able to swim 50 yards. (Pass/Fail).

FA 219 VARSITY SPORTS II (0-2-1)(F/S). Instruction and participation in BSU Department of Athletic's approved sports. Coach's approval required. (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).
Department of Teacher Education

Education Building, Room 206  Telephone (208) 385-3602

Chairperson and Professor: Virgil M. Young; Professors: Bieter, Edmundson, Frederick, Friedli, Fuhriman, Hourcade, J. Jensen, Kirtland, Lambert, Sadler, Singh, Waite; Associate Professors: Bauwens, French, M. Jensen, Lyons, Morrison, Pearson, Suedmeyer, K. Young; Assistant Professors: Anderson, Bahmuth, Christensen, Guerin, Lindsey, Matthews, Singletary, Vinz.

Foreign Languages Professors: Jocums, Valverde; Associate Professor: Robertson; Assistant Professors: Chevalier, Kyle, Sleiman, Yarbrough.

Degrees Offered

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

Special Requirements for Admission to Teacher Education: Students preparing to teach must apply for admission to Teacher Education. Normally, this is accomplished during the sophomore year. The application form is made available through the Coordination of Field Services and is distributed to students taking TE 201 Foundations of Education. Admission to Teacher Education is required before students may take certain 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 of Teacher Education. These requirements include:

1. Filing of the Admission to Teacher Education form.
2. A minimum Grade Point Average of 2.5.
3. A minimum grade of C in TE 201 Foundations of Education, or its equivalent.
4. A Pass in TE 271 Introduction to Teaching II: Instructional Experience for Elementary Majors or a Pass in TE 172 Introduction to Secondary Teaching: Classroom Observation, or their equivalents.

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. The application form is made available through the Office of the Coordinator of Field Services and is distributed to students taking TE 201 Foundations of Education. Admission to Teacher Education is required before students may take certain 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 of Teacher Education. These requirements include:

1. Filing of the Admission to Teacher Education form.
2. A minimum Grade Point Average of 2.5.
3. A minimum grade of C in TE 201 Foundations of Education, or its equivalent.
4. A Pass in TE 271 Introduction to Teaching II: Instructional Experience for Elementary Majors or a Pass in TE 172 Introduction to Secondary Teaching: Classroom Observation, or their equivalents.

Department of Teacher Education - 121
5. A passing score on the “Test of General Knowledge” and on the “Test of Communication Skills,” both parts of the National Teacher Examination (NTE). Normally, students should make application to take this test during the second semester of their sophomore year. A passing score is the minimum score set by the Idaho State Board of Education for certification in Idaho. These tests are administered at specific times during the year. Students are responsible for making application to take the test through the BSU Counseling and Testing Center and are responsible for test fees. Students must have Educational Testing Service send the results of the NTE (National Teacher Exam) to the College of Education.

6. Passing an English writing skills examination to be administered by the Department of Teacher Education. The English Qualifying Examination (EQE) is administered by the Department to determine specific problems. The EQE may be retaken upon remediation, but no more than two additional times. (This test is not the same as the English Competency Exam administered by the English Department.)

7. (FOR ELEMENTARY EDUCATION MAJORS ONLY.) A passing score on a mathematics competency examination to be administered by the Department of Teacher Education. This test should be taken soon after enrolling at Boise State University.

The mathematics competency examination may be retaken after remediation, but no more than two additional times. (This test is not the same as the Mathematics Placement Exam given by the Mathematics Department.)

NOTE: Any deviations from the preceding policy must be approved by the Chair of the Department.

Admission to Student Teaching: An application for a specific student teaching assignment must be filed with the Office of the Coordinator of Field Services, Department of Teacher Education, by:
1. February 15th for students desiring to student teach in the fall.
2. October 1st for students desiring to student teach in the spring.

Application forms may be obtained from the Office of the Coordinator of Field Services.

Students must give six weeks notice prior to the beginning date for student teaching if they wish to withdraw their application for student teaching.

The Department of Teacher Education is responsible for making all assignments.

General requirements for admission to student teaching for elementary and secondary candidates include the following:

Elementary Majors
1. Admission to Teacher Education.
2. Recommendation by the faculty advisor.
3. A cumulative grade point average of 2.50.
4. Approval by the Teacher Education Academic Standards and Screening Committee.
5. Senior standing.
6. A minimum of “C” in all required courses.
7. Satisfactory completion of M 103 and M 104.

Secondary Options
1. Admission to Teacher Education.
2. Recommendation by the faculty advisor or the Department chairperson.
3. A minimum cumulative grade point average of 2.50.
4. A minimum grade point average of 2.50 in the major field, minor field if applicable. All required Education courses.
5. Approval by the Teacher Education Academic Standards and Screening Committee.
7. Major field.
8. Minor field.
9. Education courses.
10. Senior standing.
11. Sufficient credit hours in the assigned area(s).

NOTE: Deviations from the above requirements must be approved by the department chairperson.

Special Information on Student Teaching
1. Students who transfer to Boise State University must meet requirements for admission to Teacher Education and Student Teaching, and complete at least 6 semester hours at the University before being placed in Student Teaching.
2. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their University supervisors.
3. Any student may be dismissed from a program leading to certification if he or she is found guilty of any offense which would be grounds for revocation or denial of an Idaho teaching certificate, including conviction in a court of law of an offense other than a minor traffic violation. Questions regarding this section should be directed 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 III of this Catalog: ACADeMIC INFORMATION—Repeat of a Course.)

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 Composition E 101, 102 3-6
      NOTE: Students not required to take E 101 must complete an additional 3 credits of English. For Certification purposes Elementary Education majors must complete a total of 12 semester hours in English including both composition and literature.
   b. Area I Requirements 12
      Literature (to include E 271 or 272) 6
      Second Field Elective (Must be Art or Music. See Core requirements) 3
      Third Field Elective (see Core requirements) 3
      NOTE: Choose Third Field Electives from Art, Humanities, Music, Philosophy, Theatre Arts, and Foreign Language at 201 level or higher.
   c. Area II Requirements 18
      U.S. History (HY 151 or 152 suggested) 3
      Geography (GG 101 or GG 102) 3
      Psychology (P 101) 3
      Oral Communication (CM 311 suggested) 3
      Area II Elective (Econ or Polit Sci) 3
      Area II Elective (SO 230 or AN 102) 3
      Area II Elective (see Core requirements) 3
      NOTE: For certification purposes, Elementary Education majors must complete a total of 12 semester hours in Social Science areas other than Psychology and Communication.
   d. Area III Requirements 12
      See University Core Requirements.
      NOTE: Elementary Education majors must have courses in both Biological and Physical Sciences.

2. Professional Education Requirements
   a. Taught by other departments on campus
      Structure of Arithmetic for Teachers M 103 4
      Geometry and Probability for Teachers M 104 4
      Music Fundamentals MU 201 2
      Music Methods for the Elem School Teacher MU 371 2
### Recommended Programs

**ELEMENTARY EDUCATION MAJOR**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition E 101, 102</td>
<td>6</td>
</tr>
<tr>
<td>Concepts of Biology (Area III) B 100</td>
<td>4</td>
</tr>
<tr>
<td>Physical Science (Area III) PS 100</td>
<td>4</td>
</tr>
<tr>
<td>Intro to Teaching I Class Observation TE 171</td>
<td>1</td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>Area I Second Field: Art or Music</td>
<td>3</td>
</tr>
<tr>
<td>Area I Third Field Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area II Social Science: U.S. History</td>
<td>3</td>
</tr>
<tr>
<td>Area II, Geography GC 101 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Area II, Economics or Political Science</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>33</strong></td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Music Fundamentals MU 201</td>
<td>2</td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Microcomputer in Classroom TE 208</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Mathematics for Teachers M 103</td>
<td>4</td>
</tr>
<tr>
<td>Elementary Mathematics for Teachers M 104</td>
<td>4</td>
</tr>
<tr>
<td>Education of the Exceptional Child TE 291</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology TE 225</td>
<td>3</td>
</tr>
<tr>
<td>Child Psychology P 211</td>
<td>3</td>
</tr>
<tr>
<td>Area I Second Field (E 271 or E 272)</td>
<td>3</td>
</tr>
<tr>
<td>Area I Additional Literature Course</td>
<td>3</td>
</tr>
<tr>
<td>Area II Social Science: SO 230 or AN 102</td>
<td>3</td>
</tr>
<tr>
<td>Area III Elective</td>
<td>4</td>
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<td><strong>TOTAL</strong></td>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Teaching Beginning Developmental Reading K-3 TE 305</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Developmental &amp; Content Reading 4-6 TE 306</td>
<td>3</td>
</tr>
<tr>
<td>Children's Literature TE 316</td>
<td>3</td>
</tr>
<tr>
<td>Elementary School Art Methods AR 321</td>
<td>3</td>
</tr>
<tr>
<td>Elementary School PE Methods PE 361</td>
<td>3</td>
</tr>
<tr>
<td>Music Methods for Elementary Teachers MU 371</td>
<td>3</td>
</tr>
<tr>
<td>Speech Comm for Teachers CM 311 suggested</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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</tbody>
</table>

**SENIOR YEAR**

**First Semester:**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Classroom Management Skills TE 457</td>
<td>2</td>
</tr>
<tr>
<td>Elem Curriculum &amp; Methods TE 451</td>
<td>6</td>
</tr>
<tr>
<td>Elementary Student Teaching TE 471</td>
<td>5</td>
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</table>

**Second Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Curriculum and Methods TE 452</td>
<td>6</td>
</tr>
<tr>
<td>Elementary Student Teaching TE 472 or 473</td>
<td>5</td>
</tr>
<tr>
<td>Student Teaching: Special Education TE 473</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

**Department of Teacher Education**

**ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR**

Bachelor of Arts Degree

**Spanish Section**

- Intermediate Spanish (Area I) S 201
- Intermediate Spanish (Area I) S 202
- Advanced Spanish S 303
- Advanced Spanish S 304

**Language Component**

**TOTAL**

14

**English As a Second Language (ESL) Section**

- Foundations of Teaching English as a 2nd Language TE 202
- Identification & Diagnosis of LEP Students TE 322
- Methods of Teaching English as a 2nd Language TE 456
- Introduction to Language Study LI 305
- Applied Linguistics in Teaching ESL as 2nd Lang LI 407

**TOTAL**

14

**Total Hours in Language Component**

33

**Multicultural Component**

**TOTAL**

14

**Math/Science Component**

**TOTAL**

20

**Professional Component**

**TOTAL**

14

**Teacher Education Section**

**TOTAL**

38

**Total Professional Component**

52

**Electives**

Because of the need to prepare future teachers to teach in both bilingual and non-bilingual classrooms, it is recommended that elective classes be chosen from the following list:

- AN 311 Peoples and Cultures of the World
- AN 315 Indian People of Idaho
- CM 351 Intercultural Communications
- E 213 Afro-American Literature
- E 219 North American Indian Folklore
- E 390 Folklore
- E 384 Literature of the American West
College of Education

JUNIOR YEAR

SOPHOMORE YEAR

SENIOR YEAR

BILINGUAL TEACHER TRAINING TOTAL HOURS

Recommended Program

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR

FRESHMAN YEAR

Credits

Elective (Area I) .................................. 3
Intermediate Spanish S 201 .................................. 4
Intermediate Spanish S 202 .................................. 4
General Psychology P 101 .................................. 3
English Composition E 101, 102 .................................. 6
Intro to Teaching I: Class Observation TE 171 .................... 1
Math for Elementary Teachers M 103 .................. 4
Concepts of Biology B 100 .................................. 4
Cultural Anthropology AN 102 .................................. 3
TOTAL 32

SOPHOMORE YEAR

Credits

Elective .................................. 3
Math for Elementary Teachers M 104 .................. 4
Survey of American Literature E 271 or 272 .................. 3
Foundations of Education TE 201 .................. 3
Intro to Teaching II: Instruct Exper TE 271 .................. 1
Advanced Spanish S 303, 304 .................................. 6
Elective (Area III) .................................. 4
United States History HY 151 or 152 .................. 3
Found of Teach English as 2nd Lang TE 202 .................. 2
Mex-Amer Tradition & Culture in Elem Class TE 278 .................. 2
TOTAL 31

JUNIOR YEAR

Credits

Elective .................................. 2
Elementary School Art Methods AR 321 .................. 3
Introduction to Language Study LI 305 .................. 3
Teaching Beginning Developmental Reading K-3 TE 305 .................. 3
Teaching Developmental & Content Reading 4-6 TE 306 .................. 3
Music Methods for Elem Teacher MU 371 .................. 2
Elective (Area III) .................................. 4
Child Psychology P 211 .................................. 3
Children's Literature TE 316 .................................. 3
Identif & Diagnos of LEP Child TE 322 .................. 2
Elem School Physical Education PE 361 .................. 2
Intro to Multi-Ethnic Studies SO 230 .................. 3
TOTAL 34

SENIOR YEAR

Credits

Elective .................................. 3
Applied Linguistics in Teach ESL LI 407 .................. 3
Methods of Teaching ESL TE 456 .................. 3
Elementary Curriculum & Methods TE 451 .................. 6
Student Teaching in Biling Elem Class TE 474-475 .................. 10
Elementary Curriculum & Methods TE 452 .................. 6
Teaching Read & Lang Arts in Biling Class TE 453 .................. 2
TOTAL 33

Subject Area Endorsements

Students majoring in Elementary Education are strongly advised to select a Subject Area Endorsement, which will strengthen them as teachers and will generally improve their employability. Students may select from the list immediately below and become qualified to teach in the selected area in junior high school, including ninth grade.

Subject Area Endorsements listed immediately below are quoted from the Idaho Certification Standards for Professional Personnel, revised July 1, 1990, and are listed under "Subject Area Endorsements for Secondary Teachers," from page 22 through page 26. Only those available at BSU are included, and a minimum of twenty semester credit hours is required for each.

NOTE: Suggested lists of courses for each Subject Area Endorsement are available from the Office of the Coordinator of Field Services.

AMERICAN GOVERNMENT—Not less than six semester credit hours in American Government, six semester credit hours in American History and three semester credit hours in comparative government. The remaining work is to be history or political science.

ARTS AND CRAFTS—Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastics, the graphic arts and art metal.

CONSUMER ECONOMICS—Have an endorsement in Social Studies, Home Economics or Business Education and have not less than six semester credits in economics. One course shall be designed for the average consumer.

Drama—Not less than sixteen credit hours in drama. The remainder, if any, in speech, OR hold an English endorsement with at least six semester credit hours in drama.

ENGLISH—Credits to include: at least six semester credits of composition, including course credit in advanced composition, three semester credits of English Literature and a course in writing methods for teachers. The remainder must be English credit courses such as linguistics, grammar, modern literature, classical literature, creative writing, advanced writing, mythology or folklore. In compliance with the above, at least 20 semester credit hours must be taken in the English Department for an English minor endorsement.

FOREIGN LANGUAGES—Credits must be in the language in which the endorsement is sought.

HEALTH EDUCATION—Credits distributed to include course work in health instructional areas, science applicable to health education; organization and administration of health education and methodology.

HISTORY—Not less than nine semester credit hours in U.S. History and not less than three semester credit hours in American government. The remaining work is to be in history and political science.

JOURNALISM—Not less than sixteen semester credit hours in journalism. The remainder, if any, is to be in English, OR hold an English endorsement with at least six semester credit hours in journalism.

MATHEMATICS—Two levels of mathematics endorsement:

Basic Mathematics (limited to teaching up to and through the level of algebra I): Credits in mathematics to include college credits in algebra, geometry and trigonometry.

Standard Mathematics (may teach any math course in grades 6-12): Credits in mathematics to include course credit in calculus and analytical geometry. The remainder may be selected from courses such as abstract algebra or linear algebra, probability and/or statistics; and geometry.

MUSIC—Credits to include course work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), history and appreciation, conducting and music methods and materials.

PHYSICAL EDUCATION—Credits distributed to include course work in movement skills, science applicable to physical education, organization and administration of physical education, health education; physical education methodology and evaluation.

BIOLOGICAL SCIENCE—Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

PHYSICAL SCIENCE—At least eight semester credit hours in chemistry and eight credit hours in physics.

NATURAL SCIENCE—Credits to include not less than: six semester credit hours in biological science, six semester credit hours in physical science, and six semester credit hours in earth science. The remainder shall be selected from any of the natural science areas.

READING—Twenty semester credit hours to include a minimum of 15 semester credit hours with course work in each of the following areas: foundations of/ or developmental reading, content area reading,
corrective/diagnostic/remedial reading, psycholinguistics/language development and reading, literature for children or adolescents. The remainder may be taken from related areas.

SOCIAL STUDIES—Credits to include not less than six semester credit hours in U.S. History and not less than three semester credit hours in American government. In addition, work in at least four of the following fields to be represented: world history, geography, sociology, economics, anthropology and political science.

SPEECH—Not less than sixteen semester credit hours in speech. The remainder, if any, in drama OR hold an English endorsement with at least six semester credit hours in speech.

SPEECH-DRAMA—Credits spread over both fields with not less than six semester credit hours in each.

In addition to the above, students may select from the following:

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 integration of handicapped children in the regular classroom. The student should seek advisement from the special education faculty. Requirements include 30 semester hours of course work which will provide an endorsement under Special Education. Students desiring teaching techniques, and ability and aptitude to work with students and adults.

4. Prior to applying for any teaching certificate in the state of Idaho, each candidate must have passing scores on the National Teacher Examination (NTE) in “General Knowledge,” “Communication Skills,” and “Professional Knowledge.” Passing scores are determined by the Idaho State Board of Education. Students are responsible for making application to take the NTE and for fees. Students must have Educational Testing Service send the results of the NTE (National Teacher Exam) to the College of Education.

5. Students with previously earned degrees may develop individual programs approved by the Department of Teacher Education. The programs may include graduate courses applicable to a master’s degree. For more information the candidate should contact the Coordinator of Field Services or the Associate Dean.

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 aptitude to work with students and adults.

4. Prior to applying for any teaching certificate in the state of Idaho, each candidate must have passing scores on the National Teacher Examination (NTE) in “General Knowledge,” “Communication Skills,” and “Professional Knowledge.” Passing scores are determined by the Idaho State Board of Education. Students are responsible for making application to take the NTE and for fees. Students must have Educational Testing Service send the results of the NTE (National Teacher Exam) to the College of Education.

5. Students with previously earned degrees may develop individual programs approved by the Department of Teacher Education. The programs may include graduate courses applicable to a master’s degree. For more information the candidate should contact the Coordinator of Field Services or the Associate Dean.

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 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 aptitude to work with students and adults.

4. Prior to applying for any teaching certificate in the state of Idaho, each candidate must have passing scores on the National Teacher Examination (NTE) in “General Knowledge,” “Communication Skills,” and “Professional Knowledge.” Passing scores are determined by the Idaho State Board of Education. Students are responsible for making application to take the NTE and for fees. Students must have Educational Testing Service send the results of the NTE (National Teacher Exam) to the College of Education.

5. Students with previously earned degrees may develop individual programs approved by the Department of Teacher Education. The programs may include graduate courses applicable to a master’s degree. For more information the candidate should contact the Coordinator of Field Services or the Associate Dean.
Examination (NTE) in "General Knowledge," "Communication Skills," and "Professional Knowledge." Passing scores are determined by the Idaho State Board of Education. Students are responsible for making application to take the NTE and for fees. Students must have Educational Testing Service send the results of the NTE (National Teacher Exam) to the College of Education.

5. Students with previously earned degrees may develop individual programs approved by the Department of Teacher Education. The programs may include graduate courses applicable to a master's degree. For more information the candidate should contact the Coordinator of Field Services or the Associate Dean.

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>Alternatives</th>
<th>Single</th>
<th>Dual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Second Teach: Classrm Obs TE 172</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Foundations of Education TE 201</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Educat Exceptional Second Students TE 333</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>*Educational Technology TE 356</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Reading in Content Subjects TE 407</td>
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<td>3</td>
</tr>
<tr>
<td>Educational Psychology TE 225</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Secondary School Methods TE 381</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Special Methods required by Major Department (varies by major)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Junior High Stdu Teach Dual Option TE 402</td>
<td>-</td>
<td>8</td>
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<tr>
<td>Senior High Stdu Teach Dual Option TE 483</td>
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<td>Junior High Stdu Teach Single Option TE 484</td>
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<tr>
<td>Senior High Stdu Teach Single Option TE 485</td>
<td>26</td>
<td>32</td>
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</tbody>
</table>

*These courses required only if content is not included in requirements of majors.

Secondary Student Teaching

An Idaho Standard Secondary Certificate allows the holder to teach in grades 6 through 12. Both the Single and Dual 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 Dual Option 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 should 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. Students who do not have an endorsement in a minor area must have at least 45 credit hours in their major.

NOTE: CHECK WITH OFFICE OF FIELD SERVICES FOR CURRENT IDAHO REQUIREMENTS.

The major certification endorsements (Secondary Option degree programs) are described in the Catalog under each department. A listing of the Secondary Options follows.

A listing of the Boise State University minor certification endorsements is included for the convenience of students.

NOTE: Check with the Office of Field Services for the most current information regarding requirements for minor certification endorsements recognized by the State of Idaho. Minor certification endorsements may also be recognized in areas other than those included in this listing.

Minor Certification Endorsements

NOTE: Minor certification endorsements may be recognized by the State of Idaho in areas other than those included in this listing. Check with the Office of Field Services for further information.

**ANTHROPOLOGY**

Social Science Major
- Physical Anthropology AN 101
- Cultural Anthropology AN 102
- Peoples and Cultures of the World AN 311
- Additional upper division Anthropology

**Non-Social Science Major**
- Physical Anthropology AN 101
- Cultural Anthropology AN 102
- Introduction to Archaeology AN 103
- Peoples and Cultures of the World AN 311
- Additional upper division Anthropology

**ART**

- Introduction to Art AR 103
- Basic Design AR 105, 106
- Drawing AR 111, 112
- Painting AR 113, 114
- 2 hrs from Sculpt, Metals, Ceramics, Methods in Craft
- Electives from 100-400 Regular Courses
- Suggested Electives: Art History, Lettering, Photography, Printmaking, Weaving and those listed above

**BIOLOGY**

- General Botany BT 130
- General Zoology Z 130
- Cell Biology B 301
- Genetics & Lab B 343, 344
- Elective course in Botany
- Elective course in Zoology

**CHEMISTRY**

- 100 level General Chemistry Courses
- Organic Chemistry Courses
- Additional Courses in Analytical, Physical, Inorganic or Biochemistry

**CLASSICAL LANGUAGES**

- Elementary Classical Latin Lang & Lit LA 211
- Advanced Classical Latin Lang & Lit LA 212
- Early Church Latin Literature LA 323
- Medieval Latin Literature LA 324
- Advanced Latin Tutorial-Augustan Age LA 498
- Advanced Latin Tutorial-Late Antiquity LA 498

**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

**international**

- Anthropology-Social Science, Secondary Education Option
- Art
- Biology
- Chemistry
- Communication
- Earth Science
- Economics-Social Science, Secondary Education Option
- English
- History

**Idaho Requirements**

- Idaho requires a minimum of 20 semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

**courses required only if content is not included in requirements of majors.**
**History & Culture Course** (The BSU Classical Languages Program requires an additional 9 credit hours in related history and culture courses for a Certification Recommendation)

**Required**
- Ancient Rome HY 320 ............................................. 3
- Survey Western Art AR 101; Mythology E 217; Early Christianity HY 323, Medieval Europe HY 324; European Seminar on Augustus & the Golden Age of Rome HY 481; European Seminar on Constantine & the Late Roman Empire HY 481; European Seminar on the High Middle Ages HY 481; Ancient Philosophy PY 305; and Medieval Philosophy PY 307.

**Electives from the following:**
- Introduction to Abstract Algebra M 302 .................................................. 3
- Foundations of Geometry M 311 .................................................. 3
- Fundamentals of Statistics M 361 .................................................. 3
- Electives to complete 20 hours .............................................. 3-6

**TOTAL** 24

**German**
- Required 19 credits:
  - Elementary German G 101, 102 ........................................... 8

**Electives 3 credits:**
- Advanced German G 303 .................................................. 3
- Advanced German G 304 .................................................. 3
- German Culture and Civilization G 377 .................................................. 3

**TOTAL** 22

**Spanish**
- Required 19 credits:
  - Elementary Spanish S 101, 102 ........................................... 8
  - Intermediate Spanish S 201, 202 ........................................... 8

**Electives 3 credits:**
- Advanced Spanish S 303 .................................................. 3
- Advanced Spanish S 304 .................................................. 3
- Cultura y Civilizacion Hispanoamericano S 377 .................................................. 3

**TOTAL** 22

**HISTORY**
- Lower Division ............................................................... 12
  - U.S. Hist HY 151, 152 or Prob in U.S. Hist HY 251, 252 ........ 6
  - West Civ HY 101, 102 or Prob in West Civ HY 201, 202 ....... 3
  - American Government .................................................... 3

**Upper Division Courses to include 3 credit hours of U.S. History with remaining 9 credit hours selected from 2 or 3 major History areas U.S., European, Third World** .................................................. 12

**TOTAL** 24

**MATHEMATICS**
- Programming Languages CS 122 or CS 125 .................................................. 2-3
- Calculus M 204 or M 211 .................................................. 5
- Calculus M 205 or M 212 .................................................. 5

**At least 1 of the following:**
- Linear Algebra M 301 .................................................. 4
- Introduction to Abstract Algebra M 302 .................................................. 3
- Fundamentals of Geometry M 311 .................................................. 3
- Fundamentals of Statistics M 361 .................................................. 3

**Electives to complete 20 hours .............................................. 3-6

**TOTAL** 20

**FOREIGN LANGUAGE**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Intermediate German G 201, 202</td>
<td>8</td>
</tr>
<tr>
<td>Teaching Methodology in For Lang FL 412</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>8</td>
</tr>
</tbody>
</table>

**MUSIC**

**Instrumental Track**
- Materials of Music MU 119, 120 .................................................. 8
- Ear Training MU 121, 122 .................................................. 2
- Introduction to Music MU 133 .................................................. 3
- Basic Conducting MU 261 .................................................. 1
- Orientation to Music Education MU 271 .................................................. 1
- 1 year Applied Music .................................................. 4
College of Education

**Athletic Training Minor for Physical Education desiring to coach sports at the interscholastic level.**

**Part I-Volunteer Coaches**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Aid-CPR PE 121</td>
<td>1</td>
</tr>
<tr>
<td>Advanced First Aid-CPR PE 122</td>
<td>3</td>
</tr>
<tr>
<td>Intro Athletic Injuries PE 236</td>
<td>3</td>
</tr>
<tr>
<td>Internship-Athl Trgn PE 293</td>
<td>3</td>
</tr>
<tr>
<td>Conditioning Procedures PE 313</td>
<td>2</td>
</tr>
<tr>
<td>Psych/Soc Aspects of Activity PE 401</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Athletic Training PE 402</td>
<td>3</td>
</tr>
<tr>
<td>Training Room Modalities PE 403</td>
<td>2</td>
</tr>
<tr>
<td>Injury Evaluation PE 422</td>
<td>2</td>
</tr>
<tr>
<td>Theory &amp; App of Therapeutic Exercise PE 406</td>
<td>3</td>
</tr>
<tr>
<td>Internship-Athl Trgn PE 493</td>
<td>3</td>
</tr>
<tr>
<td>Fitness Testing PE 404</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL</td>
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**Choral Track**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Materials of Music MU 119, 120</td>
<td>8</td>
</tr>
<tr>
<td>Ear Training MU 121, 122</td>
<td>2</td>
</tr>
<tr>
<td>Vocal Techniques MU 256</td>
<td>3</td>
</tr>
<tr>
<td>Basic Conducting MU 261</td>
<td>1</td>
</tr>
<tr>
<td>Orientation to Music Education MU 271</td>
<td>1</td>
</tr>
<tr>
<td>1 year Applied Music (Major Instrument)</td>
<td>4</td>
</tr>
<tr>
<td>1 year Performance Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>1 year Applied Music (Voice or Piano)</td>
<td>4</td>
</tr>
<tr>
<td>Choral Conducting MU 365</td>
<td>1</td>
</tr>
<tr>
<td>Choral Methods and Materials MU 385</td>
<td>2</td>
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<tr>
<td>TOTAL</td>
<td>30</td>
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**NATURAL SCIENCE**

Complete the basic sequence of courses in

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BT 130 and Z 130</td>
<td>9</td>
</tr>
<tr>
<td>Chemistry C 107, 109, 110</td>
<td>9</td>
</tr>
<tr>
<td>Geology GO 101, 103</td>
<td>8</td>
</tr>
<tr>
<td>Physics PH 101, 102</td>
<td>8</td>
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<tr>
<td>TOTAL</td>
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**PHYSICAL EDUCATION**

**Athletic Training Minor for Physical Education Majors**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Essentials of Chemistry &amp; Labs C 107-110</td>
<td>9</td>
</tr>
<tr>
<td>Medical Terminology H 101</td>
<td>3</td>
</tr>
<tr>
<td>Nutrition H 207</td>
<td>3</td>
</tr>
<tr>
<td>Training Room Procedures PE 120</td>
<td>1</td>
</tr>
<tr>
<td>Intro Athletic Injuries PE 236</td>
<td>3</td>
</tr>
<tr>
<td>Internship-Athl Trgn PE 293</td>
<td>3</td>
</tr>
<tr>
<td>Conditioning Procedures PE 313</td>
<td>2</td>
</tr>
<tr>
<td>Psych/Soc Aspects of Activity PE 401</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Athletic Training PE 402</td>
<td>3</td>
</tr>
<tr>
<td>Training Room Modalities PE 403</td>
<td>2</td>
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<tr>
<td>Injury Evaluation PE 422</td>
<td>2</td>
</tr>
<tr>
<td>Theory &amp; App of Therapeutic Exercise PE 406</td>
<td>3</td>
</tr>
<tr>
<td>Internship-Athl Trgn PE 493</td>
<td>3</td>
</tr>
<tr>
<td>Fitness Testing PE 404</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL</td>
<td>43</td>
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</table>

Coaching Endorsement — The Coaching Endorsement consists of two parts. Those desiring to coach at the elementary school level or as a volunteer in youth sport organizations should complete Part I which leads to American Coaching Effectiveness Program (ACEP) Level I certification. Completion of both Parts I and II is recommended for those desiring to coach sports at the interscholastic level.

**Part I-Volunteer Coaches**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Introduction to Coaching PE 107</td>
<td>2</td>
</tr>
<tr>
<td>Complete one of the following:</td>
<td></td>
</tr>
<tr>
<td>First Aid-CPR PE 121</td>
<td>1</td>
</tr>
<tr>
<td>Advanced First Aid-CPR PE 122</td>
<td>3</td>
</tr>
<tr>
<td>Intro Athletic Injuries PE 236</td>
<td>3</td>
</tr>
<tr>
<td>American Red Cross Certification in First Aid-CPR</td>
<td>0</td>
</tr>
<tr>
<td>One Coaching Methods Course selected from:</td>
<td></td>
</tr>
<tr>
<td>Coaching Baseball PE 250</td>
<td>2</td>
</tr>
<tr>
<td>Coaching Basketball PE 251</td>
<td>2</td>
</tr>
<tr>
<td>Coaching Track &amp; Field PE 250</td>
<td>2</td>
</tr>
<tr>
<td>Coaching Women’s Gymnastics PE 256</td>
<td>2</td>
</tr>
<tr>
<td>Coaching Tennis PE 257</td>
<td>2</td>
</tr>
<tr>
<td>Coaching Volleyball PE 259</td>
<td>2</td>
</tr>
<tr>
<td>Coaching Wrestling PE 260</td>
<td>2</td>
</tr>
<tr>
<td>Internship in Coaching Youth Sports or equivalent experience</td>
<td>1</td>
</tr>
<tr>
<td>or</td>
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<td>TOTAL</td>
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**Part II-Interscholastic Coaches**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Complete Part I</td>
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</tr>
<tr>
<td>Anatomy &amp; Physiology Z 107 or Z 111, 112</td>
<td>4-8</td>
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<tr>
<td>Conditioning Procedures PE 313</td>
<td>2</td>
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<tr>
<td>or Psych/Soc Aspects of Sport PE 401</td>
<td>3</td>
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**K-12 Endorsement for Physical Education Majors**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Child Psychology P 211</td>
<td>3</td>
</tr>
<tr>
<td>Dance for Children PE 357</td>
<td>2</td>
</tr>
<tr>
<td>Elem School PE Methods PE 361</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Student Teaching TE 477</td>
<td>3-6</td>
</tr>
<tr>
<td>TOTAL</td>
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**K-6 Endorsement for Non-Physical Education Majors**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Rhythmic Skills PE 113</td>
<td>1</td>
</tr>
<tr>
<td>Fitness Foundations PE 118</td>
<td>1</td>
</tr>
<tr>
<td>Tumbling Skills PE 115</td>
<td>1</td>
</tr>
<tr>
<td>Sport Skills PE 117</td>
<td>1</td>
</tr>
<tr>
<td>Health Education PE 100</td>
<td>3</td>
</tr>
<tr>
<td>Found of Physical Education PE 101</td>
<td>3</td>
</tr>
<tr>
<td>Internship in Elementary Physical Education PE 293</td>
<td>1</td>
</tr>
<tr>
<td>Human Growth &amp; Motor Learning PE 306</td>
<td>3</td>
</tr>
<tr>
<td>Dance for Children PE 357</td>
<td>2</td>
</tr>
<tr>
<td>Elem School PE Methods PE 361</td>
<td>3</td>
</tr>
<tr>
<td>Motor Program for Special Populations PE 369</td>
<td>2</td>
</tr>
<tr>
<td>Adaptive Physical Education PE 451</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology Z 107 or Z 111, 112</td>
<td>4-6</td>
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**PHYSICAL SCIENCE**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>College Chemistry &amp; Labs C 131, 132, 133, 134</td>
<td>9</td>
</tr>
<tr>
<td>General Physics PH 101, 102</td>
<td>8</td>
</tr>
<tr>
<td>Introduction to Descriptive Astronomy PH 105</td>
<td>4</td>
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**POLITICAL SCIENCE**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>American National Government PO 101</td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Political Ideologies PO 141</td>
<td>3</td>
</tr>
<tr>
<td>Comparative European Governments &amp; Politics PO 229</td>
<td>3</td>
</tr>
<tr>
<td>International Relations PO 231</td>
<td>3</td>
</tr>
<tr>
<td>American History HY 151, 152/251, 252</td>
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<tr>
<td>Upper Division Political Science Electives</td>
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**PSYCHOLOGY**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
</tr>
<tr>
<td>Statistical Methods P 295</td>
<td>3</td>
</tr>
<tr>
<td>Abnormal Psychology P 301</td>
<td>3</td>
</tr>
<tr>
<td>Personality P 351</td>
<td>3</td>
</tr>
<tr>
<td>Psychology Upper Division Electives</td>
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**SOCIOLOGY**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
</tr>
<tr>
<td>Social Statistics SO 310</td>
<td>4</td>
</tr>
<tr>
<td>Social Research SO 311</td>
<td>3</td>
</tr>
<tr>
<td>History of Sociology SO 401</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Current Sociological Perspectives SO 402</td>
<td>3</td>
</tr>
<tr>
<td>Sociology Electives</td>
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<td>TOTAL</td>
<td>22</td>
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**THEATRE ARTS**

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>Technical Theatre TA 117, 118</td>
<td>8</td>
</tr>
<tr>
<td>Acting TA 215</td>
<td>3</td>
</tr>
<tr>
<td>Major Production Participation TA 331</td>
<td>3</td>
</tr>
<tr>
<td>World Drama TA 341 or 342</td>
<td>3</td>
</tr>
<tr>
<td>Directing TA 401</td>
<td>3</td>
</tr>
<tr>
<td>Theatre History TA 421 or 422</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
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</tbody>
</table>
Course Offerings

See page 20 for definition of course numbering system

FL FOREIGN LANGUAGE

Upper Division

FL 412 TEACHING METHODOLOGY IN FOREIGN LANGUAGE (3-0-3). Discussion of problems and trends in language learning applied to practical activities, culture presentations, testing, teaching aids and resource materials: Practicum—visitations, developing teaching plans, presenting teaching units. PREREQ: Nine Upper Division credits in one language or PERM/DEPT. Admission to Teacher Education.

FR FRENCH

NOTE: Most French courses require a lab fee.

Lower Division

F 101, 102 ELEMENTARY FRENCH (4-1-4)(F/S). These two courses provide the opportunity to develop functional competency in understanding, reading, writing and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, conversation lab and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 101-P, 102-P PROGRAMMED ELEMENTARY FRENCH (V-V-4). A self-paced, taped programmed course which provides for practice in pronunciation, reading, writing, grammar analysis and conversation. One period of conversation practice per week required.

F 201, 202 INTERMEDIATE FRENCH (4-1-4)(F/S)(AREA I). These courses provide the environment to acquire competence to communicate in French. Students read selections from French literature and civilization. Students discuss and write in French. Format of the course: classroom instruction, practice in conversation and in A-V laboratories. PREREQ: F 102 or PERM/DEPT.

Upper Division

F 303 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course, conducted in French, provides the matrix for enlarging one's French vocabulary and structure, and for speaking and writing French fluently. There will be discussions of the practical realities of the French-speaking world concentrating on the common and high frequency expressions of the language. Essays based on class discussion will be written regularly. PREREQ: F 202 or PERM/DEPT. Alternate years.

F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course has similar objectives as F 303. Discussions and essays will concentrate on the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings, style imitations and personal essays. PREREQ: F 202 or PERM/DEPT.

F 328 FRENCH LITERATURE: ENLIGHTENMENT, ROMANTICISM, REALISM (3-0-3). Selected unabridged works of great French authors, all genres, between 1715 to 1830. Emphasis on prose. May be repeated once for credit. PREREQ: F 202 or equivalent. Alternate years.

F 359 TWENTIETH-CENTURY FRENCH LITERATURE (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, Aymé, Beckett, Sartre, Camus, Levi-Strauss and Chardin among others. PREREQ: F 202 or equivalent. Alternate years.

F 376 FRENCH CIVILIZATION AND CULTURE TO 1789 (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 MODERN FRANCOPHONE CIVILIZATION AND CULTURE (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 except with PERM/INST. Students in G 102, lacking adequate preparation may drop back to G 101.

G 101-P, 102-P PROGRAMMED ELEMENTARY GERMAN (0-4-4). Self-paced course; programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student's pace. Work in language lab or access to cassette player needed. May not enroll in G 101-P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

Department of Teacher Education

G 201, 202 INTERMEDIATE GERMAN (4-1-4)(AREA I). A continuation of G 101, 102, this course emphasizes listening, speaking, reading and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections and writing assignments. PREREQ: G 102 or equivalent as determined by placement 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). Major writers and periods provide samples from various genres and an overview of German literary development. The course is intended to provide insights into literary craftsmanship. PREREQ: G 202 or equivalent as determined by placement examination and consultation.

G 376 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from prehistoric times through the 18th century. Special attention paid to contributions of Germany, Austria, and Switzerland to Western civilization. Class conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 377 GERMAN CULTURE AND CIVILIZATION (3-0-3). German civilization from 1800 to 1914. 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 415 GERMAN LITERATURE OF THE ENLIGHTENMENT AND “STORM AND STRESS” (3-0-3). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the “Storm and Stress.” Selections from Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 425 CLASSICAL AND ROMANTIC GERMAN LITERATURE (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 NINETEENTH-CENTURY GERMAN LITERATURE (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 MODERN GERMAN LITERATURE (3-0-3). 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 CONTEMPORARY GERMAN LITERATURE (3-0-3). Selections will be taken from the authors, essayists, dramatists and poets who have appeared on the scene since 1945 treating the war and post-war experience, and the human condition in the contemporary world. Austrian, East German, Swiss and West German writers. PREREQ: G 331 or PERM/INST. Alternate years.

G 465 EARLY GERMAN LITERATURE: 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 THE GERMAN-SPEAKING WORLD TODAY (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 377 or PERM/INST. Alternate years.

G 498 SENIOR SEMINAR (3-0-3). Individual research into an area of interest outside the seminar. The research culminates in a paper to be presented to the seminar. PREREQ: Senior standing or PERM/INST.

SEE HISTORY DEPARTMENT COURSE OFFERINGS FOR GREEK AND LATIN COURSE DESCRIPTIONS.
College of Education

LS LIBRARY SCIENCE COURSES

Lower Division
LS 102 LIBRARY SKILLS I (0-2-1)(FS). 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. (Graded Pass/Fail.)

LS 103 LIBRARY SKILLS II (0-2-1). Builds 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)(On demand). 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)(On demand). An introduction to the development, organization and management of all types of libraries, with emphasis upon the college library and its place in the institutional program. PREREQ: LS 201 or PERM/INST.

LS 311 REFERENCE AND BIBLIOGRAPHY (3-0-3)(On demand). Introduction to evaluation and use of basic reference sources, principles, techniques and issues of reference service. Includes coverage of standard reference books, indexes, abstracts, and bibliographies found in school or small public libraries. PREREQ: LS 201 or PERM/INST.

LS 321 BASIC BOOK SELECTION (3-0-3)(On demand). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of books and non-book materials. Includes discussions of discarding and weeding, and materials for slow and gifted readers. PREREQ: LS 201 or PERM/INST.

LS 331 CATALOGING AND CLASSIFICATION (3-0-3)(On demand). Theory and principles of classification and cataloging of book materials, practice using Dewey Decimal Classification, preparing catalog cards, assigning subject headings and library filing. Bibliographic utilities and cooperative cataloging are discussed. PREREQ: LS 201 or PERM/INST.

R RUSSIAN

NOTE: Most Russian courses require a lab fee.

Lower Division
R 101, 102 ELEMENTARY RUSSIAN (4-1-4). This course is designed to develop the beginning student's abilities in understanding, speaking, reading, and writing Russian. Classes meet four times a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Alternate years. 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 develop further Spanish language skills, both oral and written. Intensive review of fundamentals of structure and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic countries. PREREQ: S 102 or equivalent as determined by placement examination and consultation.

S 203 SPANISH FOR THE NATIVE SPEAKER (4-0-4). A course designed especially for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202. PREREQ: S 201 or equivalent as determined by the placement test. Course conducted in Spanish. Alternate years.

Upper Division
S 303 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Expands facility in expressive conversation as well as accuracy in writing Spanish. Offers analysis of grammar and expansion of vocabulary through cultural and literary readings. Discussion of topics related to Hispanic contemporary trends, current events, everyday life and other themes of immediate concern to the student. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 304 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3). Designed to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Discussion of topics related to contemporary Hispanic world, and other areas of immediate concern to the student. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 331 INTRODUCTION TO HISPANIC LITERATURES AND LITERARY ANALYSIS (3-0-3)(F). A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary explication, interpretation and criticism, using as models some of the major works of Hispanic literature. PREREQ: S 202 or equivalent as determined by placement examination and consultation.

S 376 SPANISH CIVILIZATION AND CULTURE (3-0-3). Spanish civilization from earliest Iberian beginnings to the present. Special attention given to contributions of Spain to Western world. Discussions conducted in Spanish; some readings in English. Papers required. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 377 SPANISH-AMERICAN CIVILIZATION AND CULTURE (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An introduction to the culture of the Hispanic American countries, 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 MEXICAN-AMERICAN CULTURE AND CIVILIZATION (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 writing and speaking in which the main structures, 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 ADVANCED SPANISH COMMUNICATION (3-0-3). An advanced oral and written communication course for those who need extended training in expressing ideas. Special emphasis on prose, style, vocabulary building, appropriateness of idioms and figures of speech, with major focus on non-fiction works used as examples. Frequent essays required. PREREQ: S 303 or S 304. Course is conducted in Spanish. Alternate years.

S 425 MEXICAN-AMERICAN LITERATURE (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 CONTEMPORARY SPANISH LITERATURE (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 CONTEMPORARY SPANISH-AMERICAN LITERATURE (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 EIGHTEENTH- AND NINETEENTH-CENTURY SPANISH LITERATURE (3-0-3). The main manifestations of thought and literature from 1700 to 1900, including the periods of the Enlightenment, Realism and Romanticism. PREREQ: S 331 or PERM/INST. Alternate years.

S 447 NINETEENTH-CENTURY SPANISH-AMERICAN LITERATURE (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 THE GOLDEN AGE OF SPANISH LITERATURE (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 COLONIAL AND EIGHTEENTH-CENTURY SPANISH-AMERICAN LITERATURE (3-0-3). The main literary movements of the Golden Age in Spain (16-17th centuries). PREREQ: S 331 or PERM/INST. Alternate years.

S 465 MEDIEVAL AND RENAISSANCE SPANISH LITERATURE (3-0-3). An introduction to the major authors, works, movements, and periods of Spanish-American literature from its beginnings to the end of the 18th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 475 CONTEMPORARY ISSUES IN THE SPANISH-SPEAKING WORLD (3-0-3). A lecture and discussion course based on current social, economic, cultural and political events faced by Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the problems, viewpoints, and institutions, as well as the problems, issues and trends facing this people in their respective countries today. PREREQ: S 376 or S 377 or S 304 or PERM/INST.

S 498 SENIOR SEMINAR (3-0-3). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. PREREQ: Senior standing or PERM/INST.
TE 100 STRATEGIES FOR ACADEMIC SUCCESS (2-0-2/F,S). This course will help students succeed in college by developing skills and attitudes necessary to achieve their educational goals. The course content includes knowledge of the values, policies, and procedures of the University; information of the University's resources and services; stress and anxiety management; effective life and study skills; effective use of the library; and career exploration.

TE 108 READING AND STUDY SKILLS (2-0-2). This course develops the reading and study skills of the college student through lecture and tutorial instruction. This tutorial instruction involves a one-hour session each week in which students practice study skills discussed initially in lecture. The following skills areas are included: time management, main ideas processing, textbook reading, note taking, test taking, and library use. (Pass/Fail).

TE 171 INTRODUCTION TO TEACHING I: CLASSROOM OBSERVATION (1-0-1/F,S). This course will provide the student with an introduction to the elementary school and the role of the teacher. Topics will include areas of specialization within the profession and a self-awareness of potential as an elementary school teacher. A minimum of ten hours of classroom observation and weekly seminar with a university instructor will be required.

TE 172 INTRODUCTION TO SECONDARY TEACHING: CLASSROOM OBSERVATION (1-1-1/F,S). This course will provide the student with an introduction to the secondary school, the role of the teacher, guidelines for professional preparation, and a minimum of fifteen hours of guided classroom observation. Eight one-hour classroom lecture sessions will be required, with time for classroom observation arranged on an individual basis.

TE 201 FOUNDATIONS OF EDUCATION (3-0-3)(AREA II). A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include social, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.

TE 202 FOUNDATIONS OF TEACHING ENGLISH AS A SECOND LANGUAGE (2-0-2/F,S). This course is designed to give the student a background in the psychological, linguistic, and cultural foundations of teaching English as a Second Language. The student also is given an overview of current trends in ESL and of the preparation needed to teach ESL.

TE 208 INTRODUCTION TO MICROCOMPUTERS IN EDUCATION (3-0-3). This course introduces students to the use of microcomputers in education. Students will study the BASIC language, terminology and concepts. Students will explore considerations in selecting hardware; become critical consumers of software; and explore the possibilities and limitations of computer assisted instruction in the classroom. $10.00 lab fee.

TE 216 GRAMMAR AND LANGUAGE USAGE FOR TEACHERS (3-0-3)(S). This course will provide instruction in the content of language arts curriculum generally taught in grades 4-8. Students will study the developmental sequence of grammar and usage skills, spelling, and written expression at the intermediate level. The course will also include an introduction to writing instruction.

TE 225 EDUCATIONAL PSYCHOLOGY (3-0-3). This course provides an introduction to educational psychology, emphasizing the application of selected principles of psychology to instruction. Specific topics include theories of learning, cognitive development, motivation and self-concept, and educational measurement.

TE 271 INTRODUCTION TO TEACHING II: INSTRUCTIONAL EXPERIENCE (1-2-1/F,S). This course will provide students with an opportunity to assist a teacher with a variety of instructional activities. Students will participate in seminars and a minimum of thirty hours of direct instructional experiences in the classroom which may include primary or upper grades, 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 in relation to its history and to its contemporary American language, linguistics, dance, art, folklore, customs, beliefs, and institutions. Conducted in English. Offered in alternate years.

TE 291 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3). The course shall provide students an opportunity to develop knowledge and skills related to the education of the exceptional child through presentations and readings. All categories of exceptionality shall be explored as to their educational and psychological implications. Legal considerations, community resources and instructional needs will be included. PREREQ: P 101 and TE 171.

Upper Division

TE 305 TEACHING BEGINNING DEVELOPMENTAL READING, K-3 (3-0-3). Students will learn how to teach reading in the primary grades by studying reading readiness, word recognition, vocabulary, and comprehensive development. Competency in teaching the basal reader and language experience approaches will be demonstrated. Additional topics will include organizing reading instruction and fostering recreational reading. PREREQ: TE 271 or PERM/INST.

TE 306 TEACHING DEVELOPMENTAL AND CONTENT AREA READING, GRADES 4-6 (3-0-3). Students will learn how to teach reading in grades 4-6 by analyzing the aspects of reading in a developmental program. Strategies for planning and teaching content area reading lessons will be explored. Students will be introduced to informal assessment procedures, study skills, and individualized reading approaches. PREREQ: Admission to Teacher Education.

TE 316 CHILDREN'S LITERATURE (3-0-3)(F,S). This course will provide a survey of literature for children from preschool through early adolescence, with emphasis on recognition of excellence and the value of wide and varied reading experiences. Literature from diverse cultures as well as current issues in book selection will be included.

TE 322 IDENTIFICATIONS AND DIAGNOSIS OF LIMITED ENGLISH PROFICIENT (LEP) STUDENTS (2-2-2/F,S). 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 at a level of instruction.

TE 333 EDUCATING EXCEPTIONAL SECONDARY-AGE STUDENTS (1-0-1/F,S). The course is designed to acquaint prospective secondary teachers with the educational needs of secondary students identified as exceptional. Emphasis shall be placed on classroom teaching models that enhance learning for exceptional students.

TE 334 TEACHING IN SPECIAL EDUCATION (3-0-3)(F). This 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 ethical implications, consultation, and counseling with parents and professionals, utilization of school and community resources, professional publications and organization. PREREQ: TE 291.

TE 335 TEACHING MILDLY HANDICAPPED ADOLESCENTS (3-0-3). 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 344 or PERM/INST.

TE 340 TECHNOLOGY IN SPECIAL EDUCATION (2-0-2/S). 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)(S). This course will provide an appraisal of literature, including a multicultural component, appropriate to the needs, interests and abilities of young adults. It is intended for librarians, teachers and others interested in working with young adults. PREREQ: Three credits of lower division literature.

TE 356 EDUCATIONAL TECHNOLOGY (2-2-2/F,S). This course will prepare students in secondary education to use a variety of educational technologies, including the use of hardware and software, with an emphasis on the computer and technology. Students will learn to prepare visual materials, Lab fee required.

TE 358 CORRECTIVE READING (3-0-3)(F). 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 environment will be examined in relation to child behavior. Social and emotional areas of development will be emphasized. Parent and teacher manuals will be examined in relation to theories and appropriateness in managing young children's behavior. PREREQ: P 101.

TE 362 CURRICULUM IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). The development and design of a curriculum will be examined, with emphasis on the redesign of the academic skill development. An understanding of effective communications and referring skills with parents will be emphasized. A variety of early childhood settings will be visited. PREREQ: Admission to Teacher Education.

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 291, Admission to Teacher Education.

TE 384 SECONDARY SCHOOL SCIENCE METHODS (3-0-3)(S). This course provides the theoretical and practical background for science instruction at the secondary level. Emphasis is placed on the development of teacher competency in the use of inquiry methods, questioning techniques, and the development of higher reasoning skills in students. Use of technology in science teaching is also treated. Prior completion of TE 381 Secondary School Methods is recommended. PREREQ: Admission to Teacher Education.

TE 385 SECONDARY SCHOOL SOCIAL STUDIES METHODS (3-0-3). This course will examine effective methods for teaching secondary social studies. Curriculum
organized either by a general social studies format or by a single social science discipline or history will be studied and effective teaching strategies will be identified, analyzed and practiced. PREREQ: TE 381 or PERM/INST. Admission to Teacher Education.

TE 393 BEGINNING DRIVER EDUCATION (2-1-2). Designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control safety.

TE 394 ADVANCED DRIVER EDUCATION (2-1-2). Designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. PREREQ: TE 393.

TE 395 GENERAL SAFETY EDUCATION (3-0-3). Provides a comprehensive survey of general safety education, applied to all fields in general but to public schools in particular. Includes the study of accidents, safety, accident prevention, and the working man in safety relative to safety relations in his/her public and private agencies.

TE 407-407G READING IN THE CONTENT SUBJECTS (3-0-3)(F/S/SU). This course provides middle and secondary teachers with knowledge and skills necessary for maximum utilization of instructional materials in the various content areas. Students seeking graduate credit will be required to meet additional objectives. PREREQ: TE 201.

TE 422 CURRICULUM FOR THE MODERATELY/SEVERELY HANDICAPPED (3-0-3)(F). This course is designed to acquaint students with a systematic approach to conduct assessment and curriculum planning for the moderately/severely handicapped student. Such areas as severe mental retardation, multiple handicaps, and severely emotionally disturbed will be studied in this course. PREREQ: TE 291, 430. Admission to Teacher Education.

TE 423-423G TEACHING THE MODERATELY AND SEVERELY HANDICAPPED (3-0-3)(S). This course is designed to assist students in gaining skills necessary for teaching the moderately and severely handicapped. Updating of information and skills relative to research in this area will be given high priority.

TE 430 DIAGNOSIS OF THE HANDICAPPED (3-0-3)(F). Provides for the development of a systematic approach to the identification and diagnosis of students referred for evaluation. PREREQ: Admission to Teacher Education.

TE 431 TEACHING READING AND WRITTEN EXPRESSION TO THE HANDICAPPED (3-0-3)(F). The course details the various components for teaching reading and written expression, including the selection and usage of appropriate materials and integrating diagnosis and remedial procedures with mildly handicapped students (learning disabled, emotionally disturbed and mildly/moderately mentally retarded). PREREQ: Admission to Teacher Education.

TE 432 TEACHING MATH AND LANGUAGE TO THE HANDICAPPED (3-0-3)(S). The course will detail specific sequences and various approaches to math instruction and oral language development, correction procedures, on-going record keeping and remediation for mildly emotionally disturbed, learning disabled, and mild-moderate mentally retarded. PREREQ: TE 430 or PRM/INST. Admission to Teacher Education.

TE 445 ASSESSMENT AND PROGRAM PLANNING IN EARLY CHILDHOOD SPECIAL EDUCATION (3-0-3)(F). This course presents an overview of assessment procedures appropriate to preschool children with handicaps. The course also provides information for working with families of handicapped children and the procedures used in the development of preschool individualized education programs. PREREQ: TE 291 or PRM/INST.

TE 446 METHODS AND CURRICULUM IN EARLY CHILDHOOD SPECIAL EDUCATION (3-0-3)(S). Program development in early childhood special education, including intervention approaches; curriculum development; service delivery options; intervention strategies; and instructional materials selection and adaptation. PREREQ: TE 291 or PRM/INST.

TE 447 EARLY LANGUAGE ASSESSMENT AND INTERVENTION (3-0-3). Students will examine typical and atypical language development of young children. Topics will include language acquisition theories, informal and formal assessment procedures, intervention approaches, curriculum intervention, and treatment of speech sound disorders. PREREQ: TE 291 and 430. Admission to Teacher Education.

TE 450-450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3)(F). This course is designed for teachers, counselors, and administrators to gain an understanding of the principles of behavior and the application of behavioral analysis procedures. The major emphasis will be based upon the Learning Theory Model. Development of an intervention strategy to deal with the relationship of behavior to the environment will be stressed. PREREQ: TE 291.

TE 451 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(F/S). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). First course in a two semester sequence. PREREQ: M 103, 104. Admission to Teacher Education.

TE 452 ELEMENTARY CURRICULUM AND METHODS (6-0-6)(F). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis in on methods and materials appropriate to the developmental stages of school children (K-8). PREREQ: TE 451. Admission to Teacher Education.

TE 453 TEACHING READING AND LANGUAGE ARTS IN THE BILINGUAL CLASSROOM (2-0-2). Develops an understanding of various approaches to reading instruction. Includes review of materials and media, development of criteria for selection of appropriate instructional materials, instruction given in both English and Spanish. PREREQ: S 101, 102, 201, and 202 or S 203. Admission to Teacher Education.

TE 454 TEACHING CONTENT IN THE BILINGUAL CLASSROOM (3-0-3)(S). This course includes instructional strategies and techniques in mathematics, science and social studies for use in the elementary classroom. Instruction will be presented in both the Spanish and English languages. PREREQ: S 202 or PERM/INST. Admission to Teacher Education.

TE 456 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S/SU). This course acquaints future teachers with a variety of approaches and methodologies of teaching ESL, such as the Audio Lingual, Cognitive, Situational Response, Silent Way approaches, etc. Individualized instruction, small group instruction and learning centers are major areas of discussion. PREREQ: TE 221, 322.

TE 457 CLASSROOM MANAGEMENT SKILLS (2-0-2)(F). This course will provide prospective elementary and special education teachers with skills for establishing and maintaining productive student learning. Practical, specific actions teachers can take to promote appropriate behavior and effective relationships will be learned. PREREQ: P 211, TE 225.

TE 463-463G INFANT EDUCATION (3-0-3)(S). Odd-numbered years. The physical, social, emotional, and intellectual development of the infant—age birth to three—will be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development.

TE 465 CREATING MATERIALS IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). Students will become familiar with a variety of classroom materials. They will design materials that are best suited to meet the objectives of the particular curriculum, as well as individual children's needs. Students will evaluate materials with children. Students will be expected to supply their own materials.

TE 471 ELEMENTARY STUDENT TEACHING (0-0-5)(F/S). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. (Pass/Fail).

TE 472 ELEMENTARY STUDENT TEACHING (0-0-5)(F/S). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. (Pass/Fail).

TE 473 ELEMENTARY STUDENT TEACHING IN SPECIAL EDUCATION (0-20-5)(F/S). Supervised teaching in a resource or self-contained special education classroom. PREREQ: Required course work in special education and approval for placement in a special education setting. (Pass/Fail).

TE 474 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (0-20-5)(F). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. PREREQ: S 202, TE 453, TE 454. (Pass/Fail).

TE 475 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (0-20-5)(F). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. PREREQ: S 202, TE 453, TE 454. (Pass/Fail).

TE 476 STUDENT TEACHING IN CLASSES FOR THE SEVERELY HANDICAPPED (0-20-5)(F/S). Supervised student teaching in a classroom as well as experience with special conditions unique to the severely handicapped. These may include vocational needs, community services and public agencies serving this population. PREREQ: TE 482. TE 473. (Pass/Fail).

TE 477 ELEMENTARY STUDENT TEACHING—SPECIALTY AREA (0-30-6) or (0-15-3)(F/S). This course is reserved for students who are seeking an endorsement to teach in specific disciplines in grades 1-8 or who are seeking an elementary specialist certificate. Students are given assignments in elementary schools where they observe and teach under the supervision of a cooperating teacher and a university supervisor. PREREQ: Admission to student teaching.

TE 482 JUNIOR HIGH SCHOOL STUDENT TEACHING: DUAL OPTION (0-15-8) (P/F). A semester in a junior high school. The student will be placed with a cooperating teacher for one half semester (full-time) in his/her major/minor field under supervision of University faculty. Seminars are required. PREREQ: Admission to student teaching. COREQ: TE 483. (Pass/Fail).

TE 483 SENIOR-HIGH SCHOOL STUDENT TEACHING: DUAL OPTION (0-15-8)(F). Supervised student teaching in a senior high school. The student will be placed with a cooperating teacher for one half semester (full-time) in his/her major/minor field under the supervision of University faculty. Seminars are required. PREREQ: Admission to student teaching. COREQ: TE 482. (Pass/Fail).

TE 484 JUNIOR HIGH SCHOOL STUDENT TEACHING: SINGLE OPTION (1-20-10)(F). Supervised student teaching in a junior high school. The student will be placed with a cooperating teacher for ten weeks (full-time) in his/her major/minor field...
major/minor field under the supervision of University faculty. Seminars are required. PREREQ: Admission to student teaching. (Pass/Fail).

TE 485 SENIOR HIGH SCHOOL STUDENT TEACHING: SINGLE OPTION (1-20-10)(F/S). Supervised student teaching in the senior high school. The student will be placed with a cooperating teacher for ten weeks (full-time) in his/her major/minor field under the supervision of University faculty. Seminars are required. PREREQ: Admission to student teaching.

TE 490 PRACTICUM IN EARLY CHILDHOOD SPECIAL EDUCATION (0-20-3). Students enrolling in this course shall be placed in an education program designed for the preschool handicapped. Specific needs of the individual student shall dictate placement and the type of experiential exposure. It is the intent of this course to develop a person with the skills required to teach the preschool handicapped. PREREQ: PERM/INST.

Graduate
(See Graduate College Section for course descriptions)

TE 501 FOUNDATIONS OF READING INSTRUCTION (3-0-3)(F/S/SU).
TE 502 DIAGNOSIS AND CORRECTION OF READING PROBLEMS (3-0-3)(F/S).
TE 503 CLINIC FOR READING SPECIALISTS (3-0-3)(S).
TE 504 SEMINAR IN READING EDUCATION (3-0-3)(F/S).
TE 505 INDIVIDUAL TEST AND MEASUREMENTS (3-0-3)(S).
TE 508 DIAGNOSIS AND CORRECTION OF READING PROBLEMS—SECONDARY (3-0-3)(S/S).

TE 510 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING SOCIAL SCIENCE (3-0-3)(F).
TE 511 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY MATHEMATICS (3-0-3)(S).
TE 512 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3)(F).
TE 513 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCIENCE (3-0-3)(F).
TE 514 COUNSELING/CONSULTING SKILLS FOR EDUCATORS (3-0-3)(F).
TE 515 ADVANCED THEORY OF INSTRUCTIONAL DESIGN FOR SPECIAL EDUCATORS (3-0-3)(F).
TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S).
TE 517 SEMINAR ON THE SEVERELY HANDICAPPED LEARNER (3-0-3)(S) Odd years.

TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S).
TE 519 ADVANCED STUDY OF CHILDREN'S LITERATURE (3-0-3)(F).
TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(S/S).
TE 523 THE EMOTIONALLY IMPAIRED CHILD IN THE CLASSROOM (3-0-3)(F/S).
TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S).
TE 534 ISSUES & TRENDS IN SPECIAL EDUCATION (3-0-3)(S) Even years.
TE 538 INSTRUCTIONAL COURSEWARE DESIGN (3-0-3)(F).
TE 541 EDUCATION IN EMERGING NATIONS (3-0-3)(F).
TE 543 EARLY CHILDHOOD: READINGS (3-0-3)(S).
TE 544 EARLY CHILDHOOD: ADVANCED CHILD DEVELOPMENT (3-0-3)(F).
TE 546 EARLY CHILDHOOD: ENVIRONMENTS AND PROGRAMS (3-0-3)(S).
TE 547 EARLY CHILDHOOD: LANGUAGE ACQUISITION AND DEVELOPMENT (3-0-3)(F).

TE 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH (3-0-3).
TE 555 SUPERVISION OF INSTRUCTIONAL PERSONNEL (3-0-3)(S).
TE 559 PHILOSOPHY OF EDUCATION (3-0-3)(S/S).
TE 561 SCHOOL LAW FOR THE CLASSROOM TEACHER (1-0-1)(S).
TE 562 SCHOOL ORGANIZATION AND FINANCE (1-0-1)(S).
TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(S).
TE 564 INSTRUCTIONAL TECHNIQUES-SECONDARY SCHOOLS (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 568 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(S).
TE 569 TESTING AND GRADING (1-0-1)(S).
TE 570 GRADUATE CORE-ISSUES IN EDUCATION (3-0-3)(S).
TE 573 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3).
TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3).
TE 582 INSTRUCTIONAL THEORY (3-0-3).
TE 590 PRACTICUM IN SPECIAL EDUCATION (3-0-3)(F/S).
TE 591 PROJECT (0-0-6).
TE 593 THESIS (0-0-6).
The College of Health Science is dedicated to provide a stimulating and challenging environment in which students can gain the professional, technical, and liberal arts foundation to prepare them for lifelong service and training.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. The College of Health Science cooperates with the College of Arts and Sciences in offering a Master of Interdisciplinary Studies degree with an emphasis in Drug and Alcohol Abuse and Management of Hazardous Materials. Preprofessional coursework and advising are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The college also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners. Graduate study and some health science related areas are available in other departments of the University. You may obtain the available areas by contacting the Dean’s office, College of Health Science.

Faculty of the school have the required academic degrees and are 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
- AT&T
- 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
- Intermountain Hospital, Boise, Idaho
- Magic Valley Regional Medical Center, Twin Falls, Idaho
- Mercy Medical Center, Nampa, Idaho
- Nelson Institute, Boise, Idaho
- Patient and Family Support Institute, Inc., Boise, Idaho
- St. Alphonsus Regional Medical Center, Boise, Idaho
- St. Joseph’s Hospital, Inc., Lewiston, Idaho
- St. Luke’s Regional Medical Center, Boise, Idaho
- Mountain States Tumor Institute, Boise, Idaho
- St. Mary’s School, Boise, Idaho
- Treasure Valley Manor, Boise, Idaho
- Walter Knox Memorial Hospital, Emmett, Idaho
- West Valley Medical Center, Caldwell, Idaho
- YWCA (Battered Women’s Unit), Boise, Idaho
- Veterans Administration Medical Center, Boise, Idaho

Department of Community and Environmental Health
Technology Building, Room 338
Telephone: (208) 385-3929
Chairperson and Associate Professor: Elaine M. Long; Associate Professors: Robert A. Long, Lee W. Stokes; Assistant Professor: Sara LaRiviere.
Degrees Offered
- BS in Environmental Health
- BS in Health Science
- 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
- 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 (physical therapy, physician assistant).
  - Attend Medical or Medical Technology school.
  - Employment with pharmaceutical companies.
  - Employment with community clinics and hospitals.

The Department of Community and Environmental Health is affiliated with local, state and federal health agencies throughout the state in order to provide field training.

Special Information for Students
Environmental Health
Advisor: Stokes

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
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 degree requirements.

Pre-Dietetics Program
Advisor: E. 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.

Alcohol/Drug Courses
Advisor: La Riviere

While Boise State University does not offer a degree program in substance abuse, courses are offered at the graduate level in this field of study. Many students pursuing a Master of Arts or Science in Interdisciplinary Study (College of Arts and Sciences) with an emphasis in Alcohol and Drug Abuse.

Degree Requirements

Bachelor of Science Degree

Environmental Health

Bachelor of Science Degree

Environmental Health students must earn at least a grade of 'C' in their required professional courses. The professional courses are identified under item three (3) of the Environmental Health degree/major requirements.

1. General Requirements ........................................ 30
   English Composition E 101, 102 ................................ 6
   Electives (Area I Core) ........................................ 12
   Psychology P 101 ................................................. 3
   Sociology SO 101 ................................................ 3
   Speech CM 111 .................................................... 3
   Area II Core Elective ............................................ 3

2. Area III Core & Science/Mathematics Requirements ....... 56
   College Chemistry C 131-134 .................................. 9
   Organic Chemistry C 317, 319 .................................. 5
   Botany-Zoology BT 130, Z 130 ................................ 9
   Cell Biology B 301 ................................................. 3
   Bacteriology B 303 ................................................ 5
   Entomology Z 305 ................................................. 4
   Applied & Environmental Microbiology B 415 ................. 4
   General Physics PH 101, 102 ................................... 8
   Mathematics M 111 or M 204 .................................... 5
   Statistics M 120 .................................................... 4

3. Professional Requirements .................................... 30
   Environmental Health Practicum EH 160 ...................... 1
   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 H 445 ......................... 4
   Epidemiology H 480 .............................................. 3
   Technical Writing E 202 ...................................... 3
   Communication in Small Group CM 251 ........................ 3
   or Communication in Small Group CM 251 ........................ 3

4. Suggested Electives ........................................... 12
   Pathogenic Bacteriology B 310 ................................ 4
   Human Physiology Z 401 ........................................ 4
   Economics EC 206 ................................................ 3
   Bioecology B 423 .................................................. 4
   Parasitology B 412 ................................................ 4
   Management & Organizational Theory MG 301 ............... 2
   Physical Geology GO 101 ....................................... 4
   State & Local Government PO 102 .............................. 3
   Statistics M 361 .................................................. 3
   American National Government PO 101 ...................... 3
   Intro Computer in Health Science H 120 ...................... 3
   Seminar H 498-499 ............................................ 1

HEALTH SCIENCE

Bachelor of Science Degree

Health Science students must earn at least a grade of 'C' in the following courses:

1. All Health (H) courses.

2. All courses in their emphasis. Courses in an emphasis are identified under item seven (7) (A or B) of the Health Science degree requirements.
136 College of Health Science

1. English Composition E 101, 102 ........................................ 16
2. Area I Core Requirements ........................................ 12
3. Area II Core Requirements ........................................ 12
   (*Strongly recommended)
   *General Psychology P 101
   *Intro Sociology SO 101
   *Fund of Speech Comm CM 111
4. Area III Core and Science Requirements ...................... 21-23
   College Chemistry C 131-134
   or ............................... 9
   Essentials of Chemistry C 107-110
   Algebra & Trigonometry M 111
   or ............................... 4-5
   Mathematics For Business Decisions M 106
   General Zoology & General Botany Z 130 & BT 130
   or ............................... 8-9
   Human Anatomy & Physiology Z 111, 112
5. Health Science Requirements ..................................... 17
   Medical Terminology H 101 ........................................ 3
   Intro to Computers in Health Science H 120 .................... 3
   Health Delivery Systems H 202 .................................. 3
   Nutrition H 207 .................................................. 3
   Epidemiology H 480 ............................................. 3
   Intro to Health Law and Ethics H 213 ........................... 2
   or ............................... Public Health Law H 435
6. Health Science Electives (3 courses) .......................... 9-12
   Drugs: Use and Abuse H 109 ..................................... 3
   Lifetime Fitness & Wellness H 160 ................................ 4
   Disease Conditions I and II H 211, 212 .......................... 3-6
   Assessment of Alcohol & Drug Prob 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
7. Emphasis—Select one: Science or General Health Science ..............................
   *Students should consider completing a formal minor to fulfill part of an emphasis.
   a. Science Emphasis (Natural/Physical/and Mathematics) .... 39-41
      Microbiology B 205 ............................................
      or ............................... 4-5
      General Bacteriology B 303
      Cell Biology B 301 ............................................. 3
      Pathogenic Bacteriology B 310 ................................ 4
      Genetics B 343, 344 ........................................... 3-4
      General Parasitology B 412 ................................... 3
      Immunology B 420 ............................................. 3
      Quantitative Analysis & Lab C 211, 212 .................... 5
      Organic Chemistry & Lab C 317, 318, 319, 320 .......... 10
      Physical Chemistry C 321-324 ................................ 8
      Biochemistry with Laboratory C 431, 432 .................. 4
      Calculus & Analytical Geometry M 204 ........................ 5
      Applied Statistics with Computer 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
      Human Physiology Z 401 .................................... 4
      Gen & Comparative Physiology Z 409 ........................ 4
      Internship H 493 .............................................. 2
      Senior Seminar H 498 ....................................... 1
      (Or other courses as approved by the advisor and
      department chair.)
   b. General Health Emphasis .................................... 39-41
      Microbiology B 205 ............................................ 4
      Organic Chemistry & Lab C 317, 318, 319, 320 .......... 10
      A First Course in Programming CS 122 ...................... 2
      Technical Writing E 202 ..................................... 3
      Calculus & Analytical Geometry M 204 ...................... 5
      Statistics M 120, P 295 or SO 310 ......................... 3-4
      General Physics PH 101, 102 ................................ 8
      Prin of Microeconomics EC 205 .............................. 3
     Prin of Macroeconomics EC 206 ................................ 3
     Intro Financial Accounting AC 205 .......................... 3
     Intro Managerial Accounting AC 206 ........................ 3
     Communication in the Small Group CM 251 ......... 3
     Intro Public Administration PO 303 ........................ 3
     Public Finance PO 310 or EC 310 ........................... 3
     Principles of Marketing MK 301 ............................. 3
     Management & Organization Theory MG 301 .............. 3
     Human Resource Management I MG 305 ...................... 3
     Applied Anatomy PE 230 ...................................... 3
     Exercise Physiology PE 310 .................................. 3
     Kinesiology PE 311 ............................................ 3
     Consumer Health PE 405 .................................... 3
     Sociology of Aging SO 325 ................................... 3
     Sociology of the Family SO 340 ............................. 3
     Conflict Management SO 390 or CM 390 .................. 3
     Physiological Psychology P 225 ............................. 3
     Abnormal Psychology P 301 ................................ 3
     Peer Counseling P 357 ....................................... 3
     Psychology of Aging P 313 .................................. 3
     The Psychology of Health P 331 ........................... 3
     Biology of Aging B 300 ..................................... 3
     Soc Util & Pers Serv for Elderly SW 433 .................. 3
     Health & Aging H 410 ....................................... 3
     Senior Seminar H 498 ....................................... 1
     Internship H 493 .............................................. 2
     (Or other courses as approved by the advisor and
department chair.)
8. Electives .......................................................... 5-12

Recommended Programs

ENVIRONMENTAL HEALTH

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<tr>
<th>Course</th>
<th>1st SEM</th>
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<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
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<tr>
<td>English Composition E 101, 102</td>
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<tr>
<td>General Psychology P 101</td>
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<tr>
<td>College Chemistry C 131-134</td>
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<tr>
<td>General Botany BT 130</td>
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<td>Electives (Area I)</td>
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<td>Environmental Health Practicum EH 160</td>
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<td><strong>SOPHOMORE YEAR</strong></td>
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<tr>
<td>General Zoology Z 130</td>
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<td>Math (Statistics) M 120</td>
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<td>Fund of Speech Communication CM 111</td>
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<td>Elective (Area II)</td>
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<td><strong>JUNIOR YEAR</strong></td>
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<tr>
<td>Organic Chemistry C 317-319</td>
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<tr>
<td>Cell Biology B 301</td>
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<td>CM 251 OR CM 390/SO 390</td>
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<tr>
<td>Technical Writing E 202</td>
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<td>Elective (Area II)</td>
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<td><strong>SENIOR YEAR</strong></td>
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<tr>
<td>Bacteriology B 303</td>
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<td>Entomology Z 305</td>
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<tr>
<td>Applied and Environmental Microbiology B 415</td>
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<td>Environmental Health Internship EH 493</td>
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<tr>
<td>Electives</td>
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*Course schedules vary during Junior/Senior years due to alternate year offerings of EH and H courses.*
Health Science

FRESHMAN YEAR

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<tr>
<td>English Composition E 101, 102</td>
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<td>Chemistry C 107-110 or C 131-134</td>
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<td>Mathematics M 111</td>
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SOPHOMORE YEAR

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<tbody>
<tr>
<td>General Botany &amp; General Zoology BT 130-Z</td>
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<tr>
<td>Human Anatomy &amp; Physiology Z 111, 112</td>
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<tr>
<td>Area I Core Electives</td>
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<tr>
<td>Area II Core Electives</td>
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<tr>
<td>Intro to Computers in Health Science H 120</td>
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<tr>
<td>Health Delivery Systems H 202</td>
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<td>Nutrition H 207</td>
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JUNIOR YEAR

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<td>Introduction to Health Law and Ethics H 213</td>
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<td>Public Health Law H 435</td>
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SENIOR YEAR

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<td>Area I Core Elective</td>
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<tr>
<td>Health Science Elective</td>
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<td>Course in Emphasis</td>
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PRE-DIETETICS PROGRAM

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<td>Essentials of Chemistry C 107, 108, 109, 110</td>
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<td>English Composition E 101-102</td>
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<td>Human Anatomy &amp; Physiology Z 111, 112</td>
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<td>Psychology P 101</td>
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SOPHOMORE YEAR

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<tr>
<td>Nutrition H 207</td>
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<tr>
<td>Principles of Food Preparation H 209</td>
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<tr>
<td>Math M 108</td>
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<tr>
<td>Microbiology B 205</td>
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<tr>
<td>Technical Writing E 202</td>
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<tr>
<td>Intro Financial Accounting AC 205</td>
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<td>Intro Computers Health Science H 120</td>
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<td>Economics EC 205 or 206</td>
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<td>Statistics</td>
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<td>Sociology of the Family SO 340</td>
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Course Offerings

See page 20 for definition of course numbering system

EH environmental health

Lower Division

EH 160 ENVIRONMENTAL HEALTH PRACTICUM (0-0-1)(F/S). Field observations in public health agencies and industry. Requires a minimum 20 hours in the field and periodic seminars with a university instructor. Required for all environmental health majors. (Pass/Fail).

Upper Division

EH 310 WATER SUPPLY AND WATER QUALITY MANAGEMENT (2-3-3)(F). Engineering, biological and management principles of community water supply and water pollution control. PREREQ: Botany, Zoology, Chemistry 131-134, one year Mathematics, Upper Division status. Even-numbered years.

EH 320 COMMUNITY ENVIRONMENTAL HEALTH MANAGEMENT (2-3-3)(F). Sanitation and management practices for community problems dealing with waste disposal, vector control, food and milk protection, swimming pools, and recreation activities. PREREQ: Botany, Zoology, Chemistry 131-134, one year Mathematics and Upper Division standing. Odd-numbered years.


EH 415 OCCUPATIONAL SAFETY AND HEALTH (3-3-3)(S). Recognition, evaluation and control of environmental hazards (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.


EH 493 ENVIRONMENTAL HEALTH INTERNSHIP (0-V-Y)(F/S). Three or more hours of internship per week in a business or governmental agency. The student works within the organization, keeps a record of the experience and discusses these experiences at a seminar. PREREQ: Upper Division standing; recommendation of faculty advisor; consent of instructor. (Pass/Fail).

H Health Sciences

Lower Division

H 100 INTRODUCTION TO ALLIED HEALTH (1-0-1)(F). Various allied health disciplines and their clinical functions are discussed. Information on basic educational requirements, opportunities and advancement for each discipline of health care delivery. Lectures by allied health faculty and guest speakers from the medical community. Orientation to allied health care in clinical facilities.

H 101 MEDICAL TERMINOLOGY (3-0-3)(F/S). Introduction to Greek and Latin prefixes, suffixes, combining forms, and roots used in medical terminology, as well as the study of anatomical, pathological and physiological terms, procedural, abbreviations, and lab tests according to systems of the body. Medical terminology is treated as a medical language and clinical application is stressed.

H 109 DRUGS: USE AND ABUSE (3-0-3)(F/S). An introductory course which deals with the basic medical, social and psychopharmacological considerations related to the use of therapeutic and non-therapeutic (recreational) drugs.

H 120 INTRODUCTION TO COMPUTERS IN HEALTH SCIENCE (3-0-3)(F). The application of word processing, data base management, spreadsheet analysis, and graphical presentation of health science information. The acquisition of information on selected topics requiring the use of microcomputers in health science specialties.

H 160 LIFETIME FITNESS AND WELLNESS (3-2-4)(F/S). A survey of contemporary fitness and wellness related issues. Emphasis is upon providing an understanding of basic concepts that are essential for knowledgeable decision making. Topics include: mental health, stress, fitness, nutrition, drug use/abuse, disease and aging. Laboratory experiences stress lifestyle changes and an opportunity to set and achieve personal goals. May be taken for Health Science credit or Physical Education credit (PE 160), but not for both.

H 202 HEALTH DELIVERY SYSTEMS (3-0-3)(F/S). Consideration of processes, professionals, politics, programs, laws and institutions which are involved in the maintenance of health and treatment of disease.

H 206 NURSING SKILLS FOR HEALTHCARE PERSONNEL (1-0-1)(F). A study of basic procedures, abbreviations, and lab tests according to systems of the body, and the care of patients in critical care settings. Emphasis is upon providing an understanding of basic concepts that are essential for knowledgeable decision making. Topics include: mental health, stress, fitness, nutrition, drug use/abuse, disease and aging. Laboratory experiences stress lifestyle changes and an opportunity to set and achieve personal goals. May be taken for Health Science credit or Physical Education credit (PE 160), but not for both.

H 207 NUTRITION (3-0-3). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems are also discussed. PREREQ: or COREQ: H 207. Odd-numbered years.

H 211-212 DISEASE CONDITIONS I AND II (3-0-3)(F/S). Introduction to the general principles of disease. Etiology, signs, symptoms, treatment and management of disease that affect individuals within the various body systems. PREREQ: H 101. Sequence beginning fall semester.

H 213 INTRODUCTION TO HEALTH LAW AND ETHICS (2-0-2)(F). A broad introduction to the basic legal and ethical concepts considered to be essential in the care of clients by health providers. A foundation course for instruction in the specialized application of this content in the students' major health care disciplines.

H 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.
Degrees Offered
- AS in Medical Record Technology

Department Statement
Medical Record Science is concerned with the application of techniques used in the development, implementation, and retention of health information. The program is a combination of clinical practice and study in areas such as classification systems, health data, record retention systems, and computerization of health data. Completion of the two-year Associate of Science degree in Medical Record Technology will enable the student to be eligible for the national accreditation examination.

The program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in cooperation with the Council on Education of the American Medical Record Association.

Requirements for Admission
1. First Year
   a. See University Admission Policy.
   b. Student must see a Medical Record Science Advisor.
   c. Complete first semester with a GPA of 2.00 or higher.

2. Second Year
   a. Only students who have completed or are in the process of completing the first year curriculum with a GPA of 2.00 or higher will be considered for acceptance into the second year of the program.
   b. Health status must be adequate to ensure successful performance of hospital activities.

Application Process
1. Complete and return to the Medical Record Science Department a "Special Programs Application" on or before March 1 of the first year of study.
2. Complete the interview process.
3. 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 TE, must be repeated and raised to C or higher before continuing in the program.

Required Program

<table>
<thead>
<tr>
<th>MEDICAL RECORD TECHNOLOGY PROGRAM</th>
<th>Associate of Science Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
<td>1st SEM</td>
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<tr>
<td>English Composition E 101, 102</td>
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<tr>
<td>Human Anatomy &amp; Physiology Z 111,112</td>
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<tr>
<td>Introduction to Allied Health H 100</td>
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<td>Area III Core Elective</td>
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<tr>
<td>Medical Terminology H 101</td>
<td>3</td>
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<tr>
<td>Introduction to Medical Records MR 115</td>
<td>3</td>
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<tr>
<td>Area II Core Elective</td>
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<tr>
<td>Computers in Health Care H 120</td>
<td>3</td>
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<td></td>
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<tr>
<td></td>
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</table>

| SOPHOMORE YEAR                    | 5       |
| Medical Records I MR 201, 202     |          |
| Diagnostic and Operative Coding MR 207 | 3       |
| Disease Conditions I H 211        | 3       |
| Health Delivery Systems H 202    | 3       |
| Introduction to Health Law & Ethics H 213 | 2       |
| Medical Records II MR 203, 204   | 5       |
| Health Record Transcription MR 209 |          |
| Health Data MR 205               | 3       |

Department of Medical Record Science

Health Sciences Building

Chairperson, Assistant Professor: Patt Elison; Associate Professor: Seddon
After the successful completion of the professional year at BSU, students will have a period of directed practice in an affiliated health facility. Clinical Practice MR 215

Course Offerings
See page 20 for definition of course numbering system

MR MEDICAL RECORDS

Lower Division

MR 115 INTRODUCTION TO MEDICAL RECORDS (3-0-3S). Principles of Medical Record Technology, the professional organizations, medical record practitioners, and the content of the hospital chart. PreReq: MR 115 CoReq: MR 202.

MR 202 MEDICAL RECORDS I LABORATORY (0-4-2F). Practice in the various methods of numbering, filing, and retrieving health records manually and by computer. Coreq: MR 201.

MR 203 MEDICAL RECORDS II (3-0-3S). Quality assurance, basic principles of supervising and managing a medical record department, communication theory and practices for medical record professionals. PreReq: MR 201. Coreq: MR 204.

MR 204 MEDICAL RECORDS II LABORATORY (0-4-2S). 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 215 CLINICAL PRACTICE (0-5-2). Following completion of all other program requirements, students spend 120 hours in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology. (Pass/Fail).

Department of Nursing

Science/Nursing Bldg., Rm. 107
Telephone (208) 385-3907

Associate Dean/Chairperson and Associate Professor: Dr. Anne Payne

Department Degree: Associate Professor: Fountain; Assistant Professors: Henbest, MacDonald, Nelson, Peterson; Instructors: Irving, Leahy, Pomerance, Satterwhite, Springer, Stark; Special Lecturer: Carey.

Bachelor of Science Faculty: Professor: Vahay; Associate Professors: Carpenter, Matson, Murray, Taylor; Assistant Professors: Callaghan, Farnsworth, Gehlke, Martin, Otterness, Shelley, Springer, Straub; Instructor: Morgan.

Degrees Offered

• AS, Nursing
• BS, Nursing

Department Statement

The Department of Nursing offers a lower-division nursing curriculum leading to an Associate of Science in Nursing which has had continuous approval of the Idaho State Board of Nursing and has been accredited by the National League for Nursing since 1968. The Associate of Science program prepares graduates for technical nursing practice. Graduates are eligible to write the examination for licensure as a Registered Nurse.

The Department also offers a four-year professional nursing program leading to a Bachelor of Science degree. The program has been continuously approved by the Idaho State Board of Nursing and accredited by the National League for Nursing. Graduates are eligible to write the examination for licensure as a Registered Nurse. Registered nurses without bachelor’s degrees in nursing are eligible for advanced placement into the baccalaureate program.

Description of the Associate of Science Program is presented in the following section. The Bachelor of Science Program is presented on page 140.

Associate of Science Degree

Description: This program prepares individuals to function at a beginning level in giving care to patients. Nursing courses include theory and clinical laboratory experiences, primarily in hospitals and other acute care settings. In the clinical component of each nursing course, one credit hour represents three hours of clinical and/or campus laboratory time. During the freshman year, there is an average weekly number of nine to twelve clinical practice hours and during the sophomore year, fifteen to eighteen hours per week, which may be scheduled days, afternoons, or evenings, between the hours of 6:30 a.m. and 11:30 p.m.

The program is approved by the Idaho Board of Nursing and accredited by the National League for Nursing. The graduate is eligible to write the National Council Licensure Examination to become a Registered Nurse (R.N.).

Philosophy: The associate degree-prepared nurse practices primarily in formally organized health care agencies providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

Advisement: The Associate of Science Degree may be completed in five semesters. However, students’ needs and goals may indicate a three year approach to the program. Advisement, therefore, is essential and it is the student’s responsibility to seek faculty assistance.

Admission Requirements

Applicants must have “Regular Admission Status” at Boise State University before applying to the Associate of Science Nursing Program. Applicants who have other than “Regular Admission Status” at Boise State University should refer to the Boise State University Catalog and/or contact the Nursing Advisement Center for directions on how to achieve “Regular Admission Status.”

The faculty of the Associate of Science in Nursing Program reviews the qualifications of applicants and selects all students. The number of students that can be admitted to the program is limited. All college transcripts, and ACT or SAT test scores must be submitted to the nursing office in order to make applications complete.

The class is selected from qualified applicants by rank of GPA as outlined below. Those applicants who wish to be part of the initial screening must have completed applications submitted by March 1 of the year of planned enrollment in Nursing courses.

1. In order to qualify for admission, the student must meet one of the following criteria:

   a. Completion of Z 111 (Human Anatomy and Physiology) and E 101 (English Composition) as prerequisites and ACT or SAT test scores. To be eligible for consideration, the applicant must have a GPA of 2.5 or above and a C or better in the above courses. Applicants who have completed more of the required general education courses* are evaluated on the GPA in all those courses.

   OR for the student applying within one year of graduation from high school:

   Completion of two (2) years of high school algebra or higher and three (3) years of laboratory sciences, including human anatomy and physiology. These courses must have been passed with a GPA of 3.5 or higher.
2. Transfer students from other associate degree nursing programs and Licensed Practical Nurses (LPN's) who wish to challenge nursing courses should contact the department for specific entrance requirements.

3. Completed applications are reviewed after March 1, and the class selected from qualified applicants by rank of GPA. Those applicants selected will be notified by May 1.

4. A second review of all remaining applicants, and completed applications received after May 1, occurs in July. Any vacancies that have occurred in the class since March 1 will be filled from qualified applicants. These applicants will be selected by rank of GPA.

5. A last review of all remaining applications and any applications submitted since July occurs in August. Any vacancies that have occurred at this time will be filled from qualified applicants. These applicants will be selected by rank of GPA.

The faculty of Boise State University is committed to equal opportunity for all students, and does not discriminate on the basis of sex, race, color, religion, national origin, handicap, or veteran status.

Registered Nurse licenses are granted by the Idaho Board of Nursing to graduates of approved educational programs who successfully complete the National Council Licensure Examination.

"The Board of Nursing shall have the power to deny any application for license . . . upon determination that the person:

- made or caused to be made, a false, fraudulent, or forged statement in attempting to procure a license to practice nursing; or

- is convicted of a felony or any offense involving moral turpitude; or

- habitually uses alcoholic beverages or narcotic, hypnotic, or hallucinogenic drugs; or

- otherwise engages in conduct of character likely to deceive, defraud, or endanger patients or the public."

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. ASN Program applications are available in the Science-Nursing Building, Room 107 at the beginning of each Spring Semester.

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. These documents must be received by the Nursing Department prior to March 1 if applications are to be reviewed in the initial screening.

Following acceptance into the Associate of Science program, all applicants must submit to the Nursing Department by August 1 of each academic year:

1. The completed Health Assessment form provided by the Department of Nursing.

2. Documentation of a negative PPD or a chest X-ray plus documented Rubella immunity report.

3. Documentation of completion of a Cardiopulmonary Resuscitation course (including infant CPR).

4. Annual lab fee payable during registration.

Degree Requirements

ASSOCIATE OF SCIENCE

Full-Time Nursing Student

ADMISSION PREREQUISITES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition E 101</td>
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</tr>
<tr>
<td>Human Anatomy &amp; Physiology Z 111</td>
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<tr>
<td><strong>TOTAL</strong></td>
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FIRST YEAR IN NURSING PROGRAM

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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Essentials of Chemistry C 107, 108</td>
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<tr>
<td>Nutrition H 207</td>
<td>4</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology Z 112</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>4</strong></td>
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SECOND YEAR IN NURSING PROGRAM

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Microbiology B 205</td>
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</tr>
<tr>
<td>English Composition E 102</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology SO 101</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Intervention I &amp; II NA 200-202</td>
<td>9, 10</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

*Prerequisite or Corequisite to First Year Nursing Courses.

Course Offerings

See page 20 for definition of course numbering system

NA NURSING COURSES

Lower Division

NA 100 FUNDAMENTALS OF NURSING I (3-0-4/F). First of four sequential courses. Focuses on man's growth and development level, well-being, environmental interaction and ability to cope with stress. Learning experiences increase student knowledge of self and others. Nursing process and psychomotor skills are introduced to assist individuals of all ages to cope with change and to progress toward wellness. PREREQ: Admission to the AS program.

NA 102 FUNDAMENTALS OF NURSING II (3-12-7/F). Builds upon concepts presented in NA 100. Focuses on concepts and methods to assist individuals and families adaptation to stressors of illness and surgery. Learning experiences assist student to implement nursing process and further develop psychomotor skills to help individuals of all ages progress toward wellness. PREREQ: NA 100.

NA 114 ORIENTATION TO ASSOCIATE DEGREE NURSING FOR ADVANCED PLACEMENT STUDENT (2-0-2/F). Designed to assist the student in transition from one role in nursing to another. Content focuses upon basic nursing roles and issues, and challenge examinations for advanced placement. PREREQ: PERMINIST. (Pass/Fail)

NA 200 NURSING INTERVENTION I (4-15-9/F). Develop concepts presented in first year courses. Focuses on coping with changes in biopsychosocial health status of individuals and families from pre-natal to adulthood. Learning experiences utilize the nursing process to provide care for patients with complex health problems. PREREQ: NA 102, COREQ: B 205.

NA 202 NURSING INTERVENTION II (4-18-10/F). Continues development of concepts acquired in previous courses. Focuses on development of self directed, flexible and organized use of nursing process in providing care for individuals of all ages. Learning experiences emphasize patient education, psychodynamics and management of multiple patients with complex problems. PREREQ: NA 200 and B 205.

Bachelor of Science Degree

Description: This program admits generic and R.N. students and is designed to prepare professional nurses to provide nursing care for patients/clients in hospitals, nursing homes, and a variety of community health settings. The curriculum also provides a foundation for graduate study in nursing. Graduates are eligible to write the examination for licensure as a Registered Nurse.

Admission Requirements

1. Complete University admission requirements.

2. For admission to nursing courses, applicants must:

   a. Apply to the program early in the spring semester prior to starting sophomore level nursing courses. See a nursing advisor for specific admission criteria and form.

   b. Complete the following prerequisite courses or equivalent with a grade of "C" or better:

   1) College Chemistry C 107-110 or C 131-134
   2) General Psychology P 101 (Area II Core)
   3) Mathematics 105, 108 or above
   4) English Composition E 101, 102
   5) Human Anatomy and Physiology Z 111, 112
   6) Medical Terminology H 101

   c. Have a minimum 2.50 cumulative grade point average.

3. For advanced placement, Registered Nurse applicants are to contact the Department of Nursing for academic advisement, advanced placement exams, and detailed information on application procedure.
Degree Requirements
Suggested Curriculum Sequence for BACHELOR OF SCIENCE
Full-Time Nursing Student*

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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</thead>
<tbody>
<tr>
<td>English Composition E 101, 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry C 107-110/131-134 (Area III Core)</td>
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<td>5</td>
</tr>
<tr>
<td>Medical Terminology H 101</td>
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<tr>
<td>General Psychology P 101 (Area II Core)</td>
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<td>-</td>
</tr>
<tr>
<td>Mathematics M 108 or above</td>
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<td>4</td>
</tr>
<tr>
<td>Human Anat &amp; Phys Z 111, 112 (Area III Core)</td>
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<td>16</td>
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<table>
<thead>
<tr>
<th>SECOND YEAR</th>
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<tbody>
<tr>
<td>Microbiology B 205</td>
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<td>-</td>
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<tr>
<td>Pathophysiology H 300</td>
<td>4</td>
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<tr>
<td>Applied Pharmacotherapeutics H 306</td>
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<td>-</td>
</tr>
<tr>
<td>Nutrition H 207</td>
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<tr>
<td>Elective (Area I Core)</td>
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<tr>
<td>Intro Sociology SO 101 (Area II Core)</td>
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<tr>
<td>Computer Course H 120, TE 208, CS 109 or IS 310</td>
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<tr>
<td>Introduction to Professional Nursing NU 204</td>
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<tr>
<td>Nursing &amp; Health Promotion NU 210</td>
<td>3</td>
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<tr>
<td>Health Assessment NU 208</td>
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<td>Health Assessment Lab NU 209</td>
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<tr>
<td>Nursing of the Childbearing Family NU 312</td>
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<tr>
<td>Mental Health/Illness Nursing NU 316</td>
<td>2 or 2</td>
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<tr>
<td>Nursing of the Childbearing Family Lab NU 313</td>
<td>2 or 2</td>
<td>-</td>
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<tr>
<td>Mental Health/Illness Lab NU 317</td>
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<tr>
<td>Upper Division Statistics Course P 295 or SO 310</td>
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<tr>
<td>Introduction to Nursing Research NU 392</td>
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<tr>
<td>Elective (Area I Core)</td>
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<td>Chronic &amp; Rehab Nursing NU 314</td>
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<td>Chronic &amp; Rehab Nursing Lab NU 315</td>
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<tr>
<td>Acute Care Nursing NU 318</td>
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<td>Acute Care Nursing Lab NU 319</td>
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<th>FOURTH YEAR</th>
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<tr>
<td>Community Health Nursing NU 418</td>
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<td>Community Health Nursing Lab NU 419</td>
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<td>Professional Issues NU 434</td>
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<td>Nursing Leadership NU 438</td>
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<td>Nursing Leadership Lab NU 439</td>
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NOTE: Each year's course sequence must be completed prior to beginning the next year's courses.

*Registered Nurses currently enrolled in the Baccalaureate Nursing Program will complete course requirements listed on page 135 which must be completed by Spring, 1992. Contact the Department of Nursing for academic advisement. Beginning Fall, 1991 RN’s may be granted advanced placement in the curriculum listed above.

Course Offerings
See page 20 for definition of course numbering system

NU NURSING COURSES

NOTE: Each year's course sequence must be completed prior to beginning the next year's courses.

*Registered Nurses currently enrolled in the Baccalaureate Nursing Program will complete course requirements listed on page 135 which must be completed by Spring, 1992. Contact the Department of Nursing for academic advisement. Beginning Fall, 1991 RN’s may be granted advanced placement in the curriculum listed above.

Department of Nursing

NU 204 INTRODUCTION TO PROFESSIONAL NURSING (2-0-2)(F). Introduction to nursing process and theoretical formulations as basis for clinical decision-making and development of a nursing knowledge base. Includes historical development and criteria of professional nursing. PREREQ: Admission to Nursing major.

NU 208 HEALTH ASSESSMENT (2-0-2)(F). The concepts of systems and development theory, health-illness continuum, and health promotion provide a basis for the health assessment of individuals across the life span. The nursing pro-

cess is used as a framework for organizing and communicating assessment data. PREREQ: Admission to nursing major. COREQ: NU 204 and NU 209.

NU 209 HEALTH ASSESSMENT LAB (0-2-1)(F). Campus Laboratory for NU 208. COREQ: NU 208.

NU 210 NURSING AND HEALTH PROMOTION (3-0-3)(S). Theoretical basis for acquisition of interpersonal, affective and psychomotor skills needed to maintain, promote and restore health to persons of all ages. Uses nursing theories, nursing process, interaction, growth and development, teaching-learning principles and health as a basis for beginning nursing practice. PREREQ: NU 204, NU 208, NU 209, H 300, B 205, H 207. COREQ: NU 211.

NU 211 NURSING AND HEALTH PROMOTION LAB (0-9-3)(S). Practical application of concepts and knowledge from NU 210 and support courses to nursing care of clients with stable health patterns and health promotion needs. COREQ: NU 210.

Upper Division

NU 300 CHANGING PROFESSIONAL ROLES IN NURSING (2-0-2)(F/S). Overview of concepts related to professional roles. Focuses on the relationship of values, ethics, critical thinking and communication processes in the roles of the professional nurse. PREREQ: Must be a Registered Nurse.

NU 312 NURSING CARE OF THE CHILDBEARING FAMILY (2-0-2)(F/S). Focus is on exploration of nursing and psychosocial theories and concepts relevant to the nursing care of the individual and family during the childbearing cycle. PREREQ: NU 210. COREQ: NU 313.

NU 313 NURSING CARE OF THE CHILDBEARING FAMILY LAB (0-6-2)(F/S). Application of theory and concepts from NU 312 in providing nursing care for the childbearing family. COREQ: NU 312.

NU 314 CHRONIC AND REHABILITATIVE NURSING (4-0-4)(F). Focuses on concepts, principles and theories related to the promotion, rehabilitation and maintenance of health for persons of all ages from varied cultures who have chronic health problems. PREREQ: NU 210, H 306. COREQ: NU 315.

NU 315 CHRONIC AND REHABILITATIVE NURSING LAB (0-9-3)(F). Applies concepts, principles and theories from NU 314 to nursing care for persons who have chronic health problems. COREQ: NU 314.

NU 316 MENTAL HEALTH/IllNESS NURSING (2-0-2)(F). The study of theoretical concepts of mental health promotion and understanding of mental illness as a maladaptive coping response. Includes knowledge of common emotional disorders and psychotherapeutic nursing interventions. PREREQ: NU 210. COREQ: NU 317.

NU 317 MENTAL HEALTH/IllNESS NURSING LAB (0-6-2)(F/S). Application of theory from NU 316 including therapeutic use of self with individuals and families in acute and community settings. Includes co-facilitation of therapeutic groups across the life span. COREQ: NU 316.

NU 318 ACUTE CARE NURSING (4-0-4)(F). Focuses on concepts, principles and theories related to promotion and maintenance of health in acute illness for persons of all ages. PREREQ: NU 314. COREQ: NU 319.

NU 319 ACUTE CARE NURSING LAB (0-9-3)(F). Applies concepts, principles and theories from NU 318 to persons with acute illness in a variety of settings. COREQ: NU 318.

NU 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: NU 210, any upper-division statistics course.

NU 418 COMMUNITY HEALTH NURSING (3-0-3)(F). Principles and concepts basic to community health nursing of individuals, families, groups and communities. Major content areas include: roles and responsibilities of the community health nurse, home health care, epidemiology, community assessment, health promotion and maintenance, and health policy formation. PREREQ: NU 318. COREQ: NU 419.

NU 419 COMMUNITY HEALTH NURSING LAB (0-9-3)(F). Application of community health nursing concepts to individuals, families, groups and a community. COREQ: NU 419.

NU 434 PROFESSIONAL ISSUES IN NURSING (3-0-3)(S). An analysis of contemporary professional nursing and its reciprocal interaction with current, social, political, and economic issues. PREREQ: NU 418.

NU 438 NURSING LEADERSHIP (3-0-3)(S). Principles and concepts of the role of the nurse as Leader/Manager. Concepts include allocation of human, financial and material resources, and effective human relations in health care organizations. PREREQ: NU 419. COREQ: NU 438.

NU 456 NURSING LEADERSHIP LAB (0-9-3)(S). Application of principles and concepts from NU 438 in various health care settings to include acute, long-term and community health care organizations. PREREQ: NU 419. COREQ: NU 438.

NU 456 NURSING STRATEGIES IN HIGH RISK CHILDBEARING FAMILIES (3-0-3)(F/S). Concepts and content relative to potential or actual maternal-fetal-neonatal crises. PREREQ: Current enrollment as Senior nursing major or PERMINST.
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-Chiropractic
- Non-degree Program in Pre-Dental Hygiene
- Non-degree Program in Pre-Occupational Therapy
- Non-degree Program in Pre-Optometry
- Non-degree Program in Pre-Physiology
- Non-degree Program in Pre-Physical Therapy
- Non-degree Program in Pre-Physician Assistant

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, pre-Physician Assistant, or Medical Technology.

In view of the specialized nature of each program the student should seek regular counsel with the advisor who has been designated for his or her major field of interest.

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, the Veterinary Aptitude Test, and the Graduate Record Exam) 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 yearly from school to school. 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: Upper Division standing; cumulative GPA above 3.25; recommendation of faculty advisor; consent of the instructor. See course H 493 described in the Community and Environmental Health Section.

Information is available from advisors concerning state-supported tuition programs for qualified Idaho residents to professional schools outside the state of Idaho. These programs are:
- WAMI (Washington-Alaska-Montana-Idaho) for medical school;
- University of Utah for medical school;
- IDEP (Idaho Dental Education Program) for dental school;
- WOI (Washington-Oregon-Idaho) for veterinary medicine school;
- WICHE (Western Interstate Consortium of Higher Education) for schools of optometry, occupational therapy, and medicine (University of Utah).

Pre-Medicine and Pre-Dentistry Information

Students planning on gaining admission to medical or dental school must successfully combine an academic major with the specific prerequisite requirements of the professional school they wish to attend. Most medical and dental schools provide substantial latitude in the academic majors that students pursue at the bachelor's degree level. Students are encouraged to select degrees other than the pre-medical or pre-dentistry degrees listed below. Students must work closely with their pre-medicine or pre-dental advisor to successfully and efficiently meet both the academic requirements of the major they select as well as fulfilling professional school requirements. Most medical/dental school applicants have earned a bachelor's degree prior to acceptance into professional school.

The prerequisite courses required by most medical/dental schools include, but are not limited to the following: E 101, 102 English Composition, C 131-134 College Chemistry & Labs, Z 130 General Zoology, BT

Students should consult either the Medical School Admission Requirements handbook or the Admission Requirements of U.S. and Canadian Dental Schools handbook for requirements specific to their professional school(s) of interest.

Inquires and students who have not completed C 131-134 College Chemistry & Labs should contact the preprofessional advisor: Glenda C. Hill, Health Science Building, Room 107. Students who have completed C 131-134 need to contact the faculty advisor listed for the program they are interested in completing.

**Degree Requirements and Recommended Programs**

### PRE-DENTISTRY, BIOLOGY OPTION

**Bachelor of Science**

Science-Nursing Building, Room 226  Telephone (208) 385-3499
Advisor: Dr. Charles W. Baker

**PRE-MEDICINE, BIOLOGY OPTION**

**Bachelor of Science**

Science-Nursing Building, Room 211  Telephone (208) 385-1321
Advisor: Dr. Eugene Fuller

**Requirements**

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Total must be at least 128

**Suggested Program**

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*Additional Upper Division credits so that Upper Division credits will total at least 40.

### PRE-DENTISTRY, CHEMISTRY OPTION

**Bachelor of Science**

Science-Nursing Building, Room 226  Telephone (208) 385-3499
Advisor: Dr. Charles W. Baker

**PRE-MEDICINE, CHEMISTRY OPTION**

**Bachelor of Science**

Science-Nursing Building, Room 316  Telephone (208) 385-3965
Advisor: Dr. Richard C. Banks

**Requirements**

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**Suggested Program**

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### JUNIOR YEAR

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*Additional Upper Division credits so that Upper Division credits will total at least 40.

### 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 the last 2 years; and an average of at least 15 credit hours per semester. Candidates with the greater depth and breadth of academic background are given preference by WSU.

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.

Veterinary medicine is an animal oriented profession; therefore, an applicant's experience in working with animals and an understanding of the veterinary profession are viewed by professional schools' admissions committees as important considerations in the selection process.

### Requirements

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<tr>
<th>Requirement</th>
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**FRESHMAN YEAR**

**SOPHOMORE YEAR**

- Zoology Z 130
- Organic Chemistry C 317-320
- Cell Biology B 301
- Electives (H 202 recommended)
- Area II Core Courses

**TOTAL**

**16**

**JUNIOR YEAR**

- Biochemistry C 431, 432
- Genetics B 343
- General Physics PH 101, 102
- Electives
- Area I, II Core Courses

**TOTAL**

**17**

**SENIOR YEAR**

- Bacteriology B 303
- Electives
- Area II Core Course

**TOTAL**

**14**

### Bachelor of Science in Medical Technology

Advisors: Dr. Conrad Colby  
Dr. Robert Ellis  
(208) 385-3383  
(208) 385-3478

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 school at St. Alphonsus Regional Medical Center requires such a degree. The Bachelor of Science degree in Health Science Studies (see Department of Community and Environmental Health) satisfies this requirement.

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

- English Composition E 101, 102
- Area I Core Elective
- Area II Core Elective
- Mathematics M 111
- College Chemistry & Laboratory C 131-134
- Organic Chemistry & Laboratory C 317-319
- Biochemistry & Laboratory C 431, 432
- General Zoology Z 130
- Cell Biology B 301
- Bacteriology B 303
- Pathogenic Bacteriology B 310
- Immunology B 420
- General Botany BT 130
- Human Physiology Z 401
- Health Delivery Systems H 202
- Health Science Electives
- Electives

**TOTAL**

**96**

*Two semesters of Biochemistry C 431-432-433 (7 credits) are recommended.

### Adjunctive Clinical Faculty

St. Alphonsus Regional Medical Center

Sandy Perotto, Medical Technology Education Training Coordinator
Frank Roberts, Pathologist

Medical Technology Clinical Class and Practice (MT 487-8-9) is comprised of a 12-month course of study of the following subject, taught as part of the hospital program:

- Hematology
- Clinical Bacteriology
- Clinical Parasitology
- Urinalysis
- Clinical Chemistry
- Immunohematology
- Serology-Immunology
- Toxicology
- Clinical Mycology
- Clinical Correlations Seminar

**TOTAL**

**32**

### Suggested Program

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**FRESHMAN YEAR**

**SOPHOMORE YEAR**

- Organic Chemistry C 317-319
- General Botany BT 130
- General Zoology Z 130
- Cell Biology B 301
- Basic Medical Technology MT 201
- Health Sciences Electives
- Electives Area I or II Core

**TOTAL**

**16**

**SENIOR YEAR**
Junior Year

General Bacteriology B 303 - 5
Pathogenic Bacteriology B 310 - 4
Immunology B 420 - 3
Biochemistry C 431 - 3
Biochemistry Laboratory C 432 - 1
Electives Area I or II Core - 3
Health Delivery Systems H 202 - 3
Human Physiology Z 401 - 4
Free Electives - 3 - 17 15

Sophomore, Junior and Senior years are individually planned in consultation with advisor.

Course Offerings

See page 20 for definition of course numbering system

MT Medical Technology

MT 201 Basic Medical Technology (2-0-2XSs). Introduction to the basic aspects of theory and practice encountered in Medical Technology. Even-numbered years.

MT 487 Clinical Class and Practice (76 hours per semester—324 hours per semester—8 CR(SU) (second session). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school approved by CAHEA.

MT 488 Clinical Class and Practice (153 hours per semester—647 hours per semester—12 CR(FF). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school approved by CAHEA.

MT 499 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 approved by CAHEA.

Non-Degree Programs

Pre-Chiropractic

Science-Nursing Building, Room 212
Advisor: Dr. Russell J. Centanni

This two year pre-chiropractic program satisfies the minimum requirements of the 15 accredited chiropractic institutions in the country. Students must maintain a minimum 2.50 GPA for consideration by chiropractic schools. Internships are available with local chiropractors after the completion of the Health Delivery Systems course.

Suggested Program

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Suggested Electives: Health Delivery Systems, Medical Terminology, Pre-professional Internship, Comparative Anatomy, Nutrition, Speech and Communications, Introduction to Business, Microbiology.

Pre-Dental Hygiene

Health-Science Building, Room 107
Advisor: Glenda C. Hill

A career in Dental Hygiene requires either an Associate or 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 at Idaho State University. 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</th>
<th>2nd</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition E 101, 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology Z 111, 112</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry C 107, 109</td>
<td>3</td>
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</tr>
<tr>
<td>Chemistry C 108, 110</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics M 108 or M 111</td>
<td>4-5</td>
<td></td>
</tr>
<tr>
<td>Introduction to Allied Health H 100</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Area I Core</td>
<td>3-</td>
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<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Nutrition H 207</td>
<td>3</td>
</tr>
<tr>
<td>Speech CM 111</td>
<td>3</td>
</tr>
<tr>
<td>Sociology SQ 101</td>
<td>3</td>
</tr>
<tr>
<td>Psychology P 101</td>
<td>3</td>
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<tr>
<td>Microbiology B 205</td>
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</tr>
<tr>
<td>Area I Core</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics M 120</td>
<td>4</td>
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<tr>
<td>Advanced Expository Writing E 201</td>
<td>3</td>
</tr>
<tr>
<td>Area II Core History, Economics or Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

Pre-Occupational Therapy

Human Performance Center
Advisor: Dr. Conrad Colby

Pre-Optometry

Human Performance Center
Advisor: Dr. 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

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1st</th>
<th>2nd</th>
</tr>
</thead>
<tbody>
<tr>
<td>English E 101, 102</td>
<td>2 semesters</td>
<td></td>
</tr>
<tr>
<td>College Mathematics M 111, 204</td>
<td>2 semesters</td>
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</tr>
<tr>
<td>College Chemistry C 131-134</td>
<td>2 semesters</td>
<td></td>
</tr>
<tr>
<td>General Zoology/Botany Z 130/BT 130</td>
<td>1 or 2 semesters</td>
<td></td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology Z 111, 112</td>
<td>2 semesters</td>
<td></td>
</tr>
<tr>
<td>General Physics PH 101, 102</td>
<td>2 semesters</td>
<td></td>
</tr>
<tr>
<td>Microbiology B 205</td>
<td>1 semester</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry &amp; Lab C 317-319</td>
<td>1 semester</td>
<td></td>
</tr>
</tbody>
</table>

Additional courses that may be needed for the pre-Optometric program are:

- Psychology
- Social Science
- Philosophy
- Literature
- Microbiology
- Psycho-Biology
- Intro Theatre

- Organic Chemistry
- Algebra & Trigonometry
- Bacteriology
- Comparative Anatomy
- Physiology
- Differential Calculus
- Statistics
- Analytic Geometry
- Integral Calculus
- Art History

Pre-Pharmacy

Science-Nursing Building, Room 314
Advisor: Dr. Robert Ellis
BSU students who wish to receive a Doctorate of Pharmacy (Pharm D.) 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</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>
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</tr>
<tr>
<td>Mathematics M 111</td>
<td>1</td>
<td>2</td>
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<tr>
<td>Mathematics M 204</td>
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<td>Area I Core</td>
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</tr>
<tr>
<td>Fundamentals of Speech CM 111</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td>16</td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoology Z 130</td>
<td>5</td>
</tr>
<tr>
<td>Cell Biology B 301</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry C 317-318</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry Lab C 319-320</td>
<td>2</td>
</tr>
<tr>
<td>Microbiology B 205</td>
<td>4</td>
</tr>
<tr>
<td>Physics PH 101, 102</td>
<td>4</td>
</tr>
<tr>
<td>Area II Core</td>
<td>3-4</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 219-212 can also be taken as a preprofessional course.

**PRE-PHYSICIAN THERAPY**

Freshman and Sophomore Students

Health Science Building, Room 107

Advisor: Glenda Hill

Junior and Senior Students

Health Performance Center (Old Gym)

Telephone (208) 385-3383

Advisor: Dr. Conrad Colby

This curriculum is designed for students interested in a professional career in Physical Therapy. Physical Therapy schools can differ significantly in their preprofessional requirements. Students interested in transferring to a Physical Therapy program should consult the advisor, determine Physical Therapy programs of interest, and pattern their specific preprofessional curriculum in line with these schools.

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</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>Anatomy and Physiology Z 111, 112</td>
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<tr>
<td>Psychology P 101</td>
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<td>Mathematics M 111</td>
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<tr>
<td>College Chemistry C 131, 133</td>
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<td>College Chemistry Lab C 132, 134</td>
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</tr>
<tr>
<td>Electives (Area I, II)</td>
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<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td>18</td>
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</tbody>
</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.

Additional courses that may be needed to fulfill Physical Therapy school prerequisites include: General Physics PH 101, 102; Intro to Sociology SO 101; Abnormal Psychology P 301; First Aid; Statistics; Microbiology B 205; Organic Chemistry C 317-320; Intro Computers in Health Science H 120; Other Area I and II courses.

**PRE-PHYSICIAN ASSISTANT**

Health Science Building, Room 107

Advisor: Glenda Hill

Physician Assistants are taught at educational programs located primarily in university schools of medicine and allied health. Most PA programs require 24 months to complete although program lengths vary. Many programs require applicants to have completed two years of college prior to admission and to have had previous health care experience.

Prerequisite course requirements vary from school to school. Students are encouraged to consult with their advisor, determine which PA programs are of interest, and pattern their course work to fulfill these specific program requirements.

In order to be licensed in Idaho, PA's must have completed a bachelor's degree. The Health Science Studies degree (see Department of Community and Environmental Health) is very compatible with most PA professional school requirements.

**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

Chairperson and Associate Professor: Thomas L. Kraker; Assistant Professor: McCrorie; Instructors: Staley, Travis.

**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 medical images necessary for diagnosis. Most technologists work in radiology departments of hospitals or with physicians who maintain private offices.

The Radiologic Technology Program offers a curriculum utilizing both university and clinical components. This integrated program allows students to gain the essential knowledge and skills required to become Registered Radiologic Technologists.

The program is fully accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in cooperation with the Joint Review Committee on Education in Radiologic 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 and earn a Bachelor of Science degree with options in Radiologic Management, in Computerized Tomography/Magnetic Resonance Imaging, and in Ultrasound.

**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. A grade lower than 'C' will not be accepted for any of the required courses.
   b. Health status must be adequate to assure successful performance of hospital activities.

**Application Process**

1. Freshman Year
   a. See University Requirements.
2. Sophomore Year
   a. Qualified applicants must complete a "Special Programs Application" and return it to the Radiologic Sciences Department office on or before March 1 of the year in which they plan to begin the second (Sophomore) year of the required radiologic sciences curriculum. Also each applicant must provide the program with a current transcript of courses completed before the March deadline.
   b. Qualified applicants are required to have an interview during the spring semester of the freshman year. Contact the department chairperson for details.
   c. All 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 tuberculosis report (PPD test) plus a documented Rubella immunity report to the department by December 1 of the year.
2. Submit $70.00 as a prepayment for student name pin; clinical and practice insurance, radiation monitoring badges and markers. This non-refundable cost is payable by May 5 preceding the Sophomore year.
3. Submit a $30.00 lab fee, per academic semester, payable at the time of registration.

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>Course Title</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English Composition E 101, 102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology &amp; Lab Z 111, 112</td>
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<tr>
<td>Medical Terminology H 101</td>
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<tr>
<td>Essentials of Chemistry &amp; Lab C 107, 108</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Intro to Allied Health H 100</td>
<td>1</td>
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<tr>
<td>Mathematics M 108</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>General Psychology P 101</td>
<td>3</td>
<td></td>
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<tr>
<td>Intro to Computers in Health Science H 120</td>
<td>15</td>
<td>17</td>
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<tr>
<td><strong>SOPHOMORE YEAR</strong></td>
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<td></td>
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<tr>
<td>Nursing Skills for Health Care Personnel H 206</td>
<td>1</td>
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</tr>
<tr>
<td>Radiographic Positioning I RD 222</td>
<td>4</td>
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<tr>
<td>Radiographic Techniques and Control RD 226</td>
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</tr>
<tr>
<td>Radiographic Techniques and Control Lab RD 227</td>
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<tr>
<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>Laboratory Practicum RD 211-221</td>
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<tr>
<td>Radiation Biology-Protection RD 230</td>
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<tr>
<td>Radiographic Positioning II RD 242</td>
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<tr>
<td>Clinical Experience RD 285</td>
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<tr>
<td>Area I Core Elective</td>
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<td><strong>SUMMER</strong></td>
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<td>Clinical Experience RD 375</td>
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<td><strong>JUNIOR YEAR</strong></td>
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<tr>
<td>Radiographic Positioning III RD 316</td>
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<td>Special Radiographic Procedures RD 360</td>
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<td>Medical &amp; Surgical Diseases RD 350</td>
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<td>Laboratory Practicum RD 311-321</td>
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<tr>
<td>Clinical Experience RD 385-395</td>
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<tr>
<td>Radiographic &amp; Imaging System RD 338</td>
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<tr>
<td>Radiographic Quality Assurance RD 340</td>
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</tr>
<tr>
<td>Radiographic Positioning IV RD 320</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

### Baccalaureate Degree Curriculum

**Prerequisite for admission:** Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have comparable coursework in Radiologic Technology and/or related discipline from another college/university program, must be ARRT registered technologist, or have permission from the department chairperson.

#### MANAGEMENT OPTION

**FALL SEMESTER**
- Health Delivery Systems H 202                                           | 3       |
- Management & Organizational Theory MG 301                                | 3       |
- Area I Core Elective                                                     | 3       |
- Area II Core Elective                                                    | 3       |
- Elective from list below                                                 | 3       |
- **TOTAL**                                                               | 15      |

**SPRING SEMESTER**
- Human Resource Management I MG 305                                      | 3       |
- Organizational Behavior MG 401                                           | 3       |
- Management of Radiologic Services RD 400                                 | 3       |
- Area II Core Elective                                                    | 3       |
- Elective from list below                                                 | 3       |
- **TOTAL**                                                               | 15      |

**Suggested Electives:**
- Business Ethics & Social Responsibilities GB 360
- Employee and Labor Relations MG 340
- Technical Writing E 202
- Interviewing-CM 307
- Statistics (Health Sciences, Education or Psychology)

Application process for Computerized Tomography/Magnetic Resonance Imaging Option and Ultrasound Option:
1. Qualified applicants must complete a "Special Programs Application" and return it to the Department of Radiologic Sciences on or before March 1 of the year in which they will begin the special option.
2. The applicant must provide the Department with a copy of a current transcript of courses completed before the March 1 deadline.

#### COMPUTERIZED TOMOGRAPHY/MAGNETIC RESONANCE IMAGING OPTION

<table>
<thead>
<tr>
<th>Course Title</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>Comparative Sectional Imaging RD 430</td>
<td>3</td>
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</tr>
<tr>
<td>Computer Application in Med Imaging RD 431</td>
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</tr>
<tr>
<td>Prin of Magnetic Resonance Imaging RD 440</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Proc Case Studies Mgnic Reson Imaging RD 441</td>
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<td></td>
</tr>
<tr>
<td>Clinical Exper Mgnic Reson Imaging RD 445</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Area II Core Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Prin of Comput Tomography RD 450</td>
<td>2</td>
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<tr>
<td>Proc Case Studies Comput Tomography RD 451</td>
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<tr>
<td>Clinical Expert Comput Tomography RD 455</td>
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<tr>
<td>Area I Core Elective</td>
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<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>18</td>
<td>16</td>
</tr>
</tbody>
</table>

**NOTE:** The Computerized Tomography Emphasis (RD 440, 441, and 445) and the Magnetic Resonance Emphasis (RD 450, 451, and 455) are offered both semesters. Upon acceptance into this option, the student will be assigned to the appropriate emphasis for each semester.

#### ULTRASOUND OPTION

<table>
<thead>
<tr>
<th>Course Title</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparative Sectional Imaging RD 430</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Computer App in Medical Imaging RD 431</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Sonographic Physics &amp; Instrumentation RD 460</td>
<td>3</td>
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<tr>
<td>Abdominal Ultrasound RD 461</td>
<td>3</td>
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<tr>
<td>Clinical Expert in Ultrasound I RD 467</td>
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<tr>
<td>Obstetrics/Gynecology Scanning RD 462</td>
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<tr>
<td>Doppler Procedures RD 463</td>
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<tr>
<td>Special Sonographic Procedures RD 464</td>
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<tr>
<td>Conference &amp; Interpretation Ultrasound I RD 465</td>
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<tr>
<td>Clinical Expert in Ultrasound II RD 468</td>
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<td>Area I Core Elective</td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>17</td>
<td>18</td>
</tr>
</tbody>
</table>
Course Offerings

See page 20 for definition of course numbering system

RD RADIOLOGIC TECHNOLOGY

Lower Division

RD 211 LABORATORY PRACTICUM (0-3-1)(F). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. COREQ: RD 222.

RD 221 LABORATORY PRACTICUM (0-3-1)(S). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 242. COREQ: RD 242.

RD 222 RADIOGRAPHIC POSITIONING 1 (4-0-4)(F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest and abdomen. COREQ: RD 211.


RD 227 RADIOGRAPHIC TECHNIQUE AND CONTROL LABORATORY (0-2-1)(F). A laboratory experience where students apply the principles of x-ray machine operation and practical application of all image materials. COREQ: RD 226.

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 (2-0-2)(F). Introduces the students to hospital structure, technical aspects of radiology, and medical ethics, and prepares the students for various professional and patient interactions prior to their hospital experience. PREREQ: RD major or PERM/INST.

RD 242 RADIOGRAPHIC POSITIONING 2 (4-0-4)(S). Continuation of RD 222. The basic concepts and procedures used in obtaining diagnostic radiographs of the digestive, pulmonary, urinary, gyneco-genital, gyneco-mammalian, musculo-skeletal, and other special areas. PREREQ: RD 222. COREQ: RD 221.

RD 285 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-16-4)(S). 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 234.

Upper Division

RD 311 LABORATORY PRACTICUM (0-3-1)(F). Laboratory demonstration and practice of the radiographic positions discussed in RD 316. COREQ: RD 316.


RD 321 LABORATORY PRACTICUM (0-3-1)(S). Laboratory demonstration and practice of the special radiographic devices and techniques discussed in RD 320. COREQ: RD 320.

RD 338 RADIOLOGIC THERAPY AND IMAGING SYSTEMS (3-0-3)(S). Analysis of new radiologic imaging systems to include sonography, nuclear medicine, computerized tomography, and magnetic resonance imaging. Therapeutic uses of radiation and cross-sectional anatomy will also be considered. PREREQ: Upper Division majors only or PERM/INST.


RD 350 MEDICAL AND SURGICAL DISEASES (2-0-2F). 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 242.

RD 360 SPECIAL RADIOGRAPHIC PROCEDURES (2-0-2)(F). Fundamental concepts of the more specialized radiographic examinations with emphasis on studies of the nervous and circulatory systems. PREREQ: RD Major or PERM/INST.

RD 375 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-40-5)(SU). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. PREREQ: RD 285.

RD 385 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-24-6)(F). Supervised clinical hospital experience. The student must complete a minimum 40% of special procedures and 50% continued competency exam list. Rotation in minor affiliates. PREREQ: RD 385.

RD 397 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-40-5)(SU). Supervised clinical hospital experience. Students rotate through several minor affiliates and complete a minimum 20% of continued competency exam list. PREREQ: RD 395.

RD 400 DEVELOPMENT OF A RADIOLOGY DEPARTMENT (3-0-3)(S). 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 430 COMPARATIVE SECTIONAL IMAGING IN THE RADIOLOGIC SCIENCES (3-0-3)(S). Identification of basic anatomy on medical images produced by ultrasound, computerized tomography, and magnetic resonance. Application will include imaging of the sagittal, coronal, and transverse body planes. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 431 COMPUTER APPLICATIONS IN MEDICAL IMAGING (2-0-2)(F). Introduction to the development of the computer in Medical Imaging with an emphasis on computer hardware. Clinical applications in computerized tomography, magnetic resonance, and ultrasound as well as applications for radiology departments will also be discussed. Limited to Certified Radiologic Technologists. PREREQ: H 120 or PERM/INST.

RD 440 PRINCIPLES OF MAGNETIC RESONANCE IMAGING (2-0-2)(F). Provides descriptive information on the basic principles of physics and instrumentation relative to magnetic resonance imaging. Historical development, mathematical and physical concepts of operation, component and systems integration, and peripheral apparatus will be included. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 441 PROCEDURAL CASE STUDIES IN MAGNETIC RESONANCE IMAGING (2-0-2)(F). Provides description and discussion of current procedural practices in magnetic resonance imaging. Also allows for analysis of procedural variation with examination of case studies. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 445 CLINICAL EXPERIENCE IN MAGNETIC RESONANCE IMAGING (0-24-6)(F). Supervised clinical experience in the special imaging area of magnetic resonance. Students will rotate between two different Magnetic Resonance Imaging facilities during the semester. Limited to students in the Magnetic Resonance Imaging Program. PREREQ: or COREQ: RD 440.

RD 450 PRINCIPLES OF COMPUTERIZED TOMOGRAPHY (2-0-2)(F). Provides descriptive information of the basic principles of physics and instrumentation relative to computerized tomography. Historical development, mathematical and physical concepts of operation, component and systems integration, and peripheral apparatus will be included. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 451 PROCEDURAL CASE STUDIES IN COMPUTERIZED TOMOGRAPHY (2-0-2)(F). Provides description and discussion of current procedural practices in computerized tomography. Also allows for analysis of procedural variation with examination of case studies. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 455 CLINICAL EXPERIENCE IN COMPUTERIZED TOMOGRAPHY (0-24-6)(F). Supervised clinical experience in the special imaging area of computerized tomography. Students will rotate between two different Computerized Tomography facilities during the semester. Limited to students in the Computerized Tomography program. PREREQ or COREQ: RD 450.

RD 460 SONOGRAPHIC PHYSICS AND INSTRUMENTATION (3-0-3)(F). Provides the student with a thorough knowledge of basic acoustic physics and its applications in diagnostic medical sonography. Content includes an examination of the different types of equipment available for medical ultrasonic procedures, quality control, and safety features. Limited to Certified Radiologic Technologists.

RD 461 ABDOMINAL ULTRASOUND (3-0-3)(F). Provides descriptive information on the sonographic procedures of the abdomen to include: normal sonographic anatomy, pathology, pathophysiology, clinical signs and symptoms of disease, differential diagnosis, equipment set-up, scanning techniques, and echographic patterns of abdominal vasculature. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 462 OBSTETRICS/GYNECOLOGY SCANNING (3-0-3)(S). Provides information on the basic female pelvic anatomy and anomalies, obstetrical scanning for the placenta from the first trimester through term, assessment of the gestational age, pathological complication, and patient care and preparation. Also includes...
Department of Respiratory Therapy

2268 University Drive

Chairperson and Professor: Conrad Colby; Director of Clinical Education and Assistant Professor: Jeffrey M. Anderson; Medical Director: D. Merrick, M.D.; Associate Professor: Ashworth; Assistant Professor: Lester.

Degrees Offered
- AS in Respiratory Therapy
- BS in Respiratory Therapy

Department Statement
Respiratory Therapy is an allied health specialty 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. 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.

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:

Department of Respiratory Therapy

1. Submit a negative PPD or chest x-ray and 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 $18.50 as prepayment for student name pin and clinical insurance. This nonrefundable cost is payable by May 1.
   e. A $16.00 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, Chemistry, and Respiratory Therapy course.
   b. A grade of less than a "C" in any professional course (numbered H, RT) 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

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<th>Course</th>
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<td>Human Anatomy &amp; Physiology Z 111, 112</td>
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<td>Essentials of Chemistry &amp; Lab C 107, 108</td>
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<td>Intermediate Algebra M 108</td>
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Professional Curriculum

FIRST PROFESSIONAL (SOPHOMORE) YEAR

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<td>Respiratory Therapy Lab I RT 204</td>
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<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 Renal Physiology H 220</td>
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<td>Nursing Skills for Health Personnel H 206</td>
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<td>General Pathology RT 209</td>
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<tr>
<td>Emergency Procedures in Resp Care RT 213</td>
<td>1</td>
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<tr>
<td>Chest Assessment RT 217</td>
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<td>Laboratory Values H 216</td>
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<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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<td>Microbiology B 205</td>
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### Course Offerings

#### See page 20 for definition of course numbering system

**RT RESPIRATORY THERAPY**

<table>
<thead>
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<tbody>
<tr>
<td><strong>RT 203</strong> RESPIRATORY THERAPY THEORY I (2-0-2)(F). Medical gas therapy to include clinical gases, gas mixtures and various equipment. Theory and technique of aerosol and humidification therapy; introduction to infection control and cardiopulmonary resuscitation. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 204</strong> RESPIRATORY THERAPY LABORATORY I (0-2-1)(F). Medical gas techniques. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 208</strong> CLINICAL PRACTICUM I (0-2-1)(F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 209</strong> GENERAL PATHOLOGY (2-0-2)(F). Human pathology pertaining to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic lymphoreticular, and respiratory systems. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 213</strong> EMERGENCY PROCEDURES IN RESPIRATORY CARE (1-0-1)(F). Theory and technique necessary in emergency respiratory care. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 217</strong> CHEST ASSESSMENT (1-0-1)(F). Theory and application of basic chest assessment including inspection, palpation, percussion and auscultation. PREREQ: PERM/INST.</td>
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<table>
<thead>
<tr>
<th>Upper Division</th>
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<tbody>
<tr>
<td><strong>RT 223</strong> RESPIRATORY THERAPY THEORY II (2-0-2)(S). Principles, application and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. Introduction to long term mechanical ventilation. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 224</strong> RESPIRATORY THERAPY LABORATORY II (0-2-1)(S). Use of hyperinflation therapy devices, chest physiotherapy and mechanical ventilation. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 225</strong> PULMONARY FUNCTION LECTURE (2-0-2)(S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volume, nitrogen washout, helium dilution, and body plethysmography. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 226</strong> PULMONARY FUNCTION LECTURE (2-0-2)(S). Practice in pulmonary function testing and techniques. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 227</strong> PULMONARY MEDICINE I (2-0-2)(S). Ventilation, perfusion, compliance, resistance and pathophysiology of the lungs. An introduction to pulmonary pathophysiology. PREREQ: PERM/INST.</td>
</tr>
<tr>
<td><strong>RT 228</strong> CLINICAL PRACTICUM II (0-12-4)(S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. PREREQ: PERM/INST.</td>
</tr>
</tbody>
</table>

#### Baccalaureate Degree Curriculum: Prerequisite for Admission:
Each student must have met and satisfactorily completed all requirements for the associate degree in 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.

<table>
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<tr>
<th>1st SEM</th>
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<tr>
<td><strong>SENIOR YEAR:</strong> Management Option</td>
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<tr>
<td>Human Resource Management I MG 305</td>
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<tr>
<td>Organizational Behavior MG 401</td>
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<tr>
<td>Intro Mgmt Information Systems IS 310 OR</td>
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<td>Intro Financial Accounting AC 205</td>
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<td>Human Resource Management II MG 406</td>
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<td>Respiratory Therapy Colloquium RT 401</td>
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<tr>
<td><strong>SENIOR YEAR:</strong> Education Option</td>
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<tr>
<td>Found of Education TE 201</td>
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<td>Statistical Methods P 295</td>
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<td>Educational Psychology TE 225</td>
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<tr>
<td>Secondary School Methods TE 381</td>
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<td>Respiratory Therapy Colloquium RT 401</td>
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<td><strong>SENIOR YEAR:</strong> Advanced Clinical Option</td>
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<td>RT Internship RT 493</td>
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<td>Intro Health Law &amp; Ethics H 213</td>
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<td>Statistical Methods P 295</td>
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<td>Elem Social Statistics SO 310</td>
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<tr>
<td>Respiratory Therapy Colloquium RT 401</td>
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</table>

**Course Offerings**

See page 20 for definition of course numbering system.
The Boise State University College of Technology provides a focused response to the technological education and training needs of the region. For Idaho to sustain a strong economy, the educational system must provide the tools and structure necessary for engineering and technical education. The College of Technology is intended to effectively address deficiencies in these areas and to create an environment that attracts new industry and helps existing industry prosper. The College is consistent with the Boise State University mission to provide special emphasis in Applied Technology and, through joint efforts with other institutions, provide needed educational programs.

The programs and services to be offered through the College of Technology are in direct response to the needs of current and new industries in Southwest Idaho. Increasingly, workers at all levels must possess an ever-broader base of scientific and technical knowledge to produce competitively. In addition to the education and training programs, the College provides technical assistance to industry, applied research in technology, incubator-type activities and other programs that aid in the region's economic growth and development.

The College of Technology is divided into two schools—the School of Applied Technology and the School of Vocational Technical Education. The School of Applied Technology houses the Bachelor of Applied Science, Construction Management, Manufacturing Technology, Electronics Technology, Drafting Technology, and Pre-engineering programs. The College has a cooperative arrangement with the University of Idaho, College of Engineering, for upper-division and graduate engineering courses on the Boise State University campus. The School of Vocational Technical Education provides pre-employment training, industry upgrade and customized training, Adult Basic Education, one-year certificate and a variety of Associate of Applied Science Degree Programs.
School of Applied Technology

The School of Applied Technology fulfills its mission within the College of Technology by providing technical and engineering-related needs of the region and state, as well as by providing technical assistance to industry through applied research, technology transfer, and incubator activities for economic development.

Bachelor of Applied Science Degree

The College of Technology offers a Bachelor of Applied Science degree in a Vocational Technical field. The Bachelor of Applied Science degree is designed to build upon the Associate of Applied Science Degree (A.A.S.) or selected Associate of Science (A.S.) degrees.

Graduates of technical programs that meet the Idaho standards for the A.A.S. degree and are accredited by a regional accrediting body that is recognized by the Council of Postsecondary Accreditation are eligible for admission. The minimum requirements for the A.A.S. degree include:

- Vocational or Technical education courses: 42 credits
- Vocational or Technical support courses: 10 credits
- General education courses: 12 credits

**TOTAL: 64 CREDITS**

Exceptions to the above must be reviewed by the Dean, College of Technology for a determination regarding eligibility for admission. Credit for prior learning will be determined in accordance with prevailing institutional policy.

Recommendations for admission to the Bachelor of Applied Science Degree must be obtained from the Dean, College of Technology. The interested student must be formally admitted into the Bachelor of Applied Science degree program by the Dean, College of Technology.

1. Vocational Technical Education Program: 64 credits
2. General University Requirements: 64 credits
3. English Composition: 3-6 credits

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

- Area I Requirements: 12 credits
  - Three fields must be represented
- Area II Requirements: 12 credits
  - Three fields must be represented
- Area III Requirements: 12 credits
  - Two fields must be represented

**NOTE:** Student seeking a B.A.S. with an A.S. degree in Marketing; Mid-Management must complete M 105 and M 106 in addition to the requirements listed above.

**NOTE:** University Core courses used to meet vocational technical education requirements cannot be used to meet the above listed Area requirements.

Students seeking the B.A.S. degree must have an additional 9 credits chosen from upper division courses in any of the following disciplines (Social Science and Natural Sciences-Mathematics must be represented):

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

**7. Upper Division Electives:** 13 credits

**NOTE:** Students seeking the B.A.S. degree must earn a minimum of 22 upper division credits.

Department of Construction Management and Pre-Engineering

Technology Building, Room 240  Telephone (208) 385-3764

Chairperson and Professor: Norm Dahm; Professors: Affleck, Gabert, Parks; Associate Professor: Haefer; Assistant Professors: Gains, Mason.

Degrees Offered

- BS in Construction Management
- BS in Manufacturing Technology
- Pre-Engineering
- B.S. degrees in electrical engineering and computer engineering are available on the Boise State campus from the University of Idaho.

Degree Requirements

**CONSTRUCTION MANAGEMENT PROGRAM Bachelor of Science Degree**

Accredited by the American Council for Construction Education (ACCE).

The objective of the Construction Management program is to provide education in mathematics, science, communication, engineering, business and construction so that the constructor can intelligently relate to and coordinate the efforts of owners, architects, engineers, craftsmen, contractors and other professionals to provide society with construction services indicative of skill, responsibility and integrity.

**FRESHMAN**

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<td>Materials &amp; Methods of Architecture AR 290</td>
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<td>Construction Fund and Comp Prog EN 107</td>
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<td>Intro to Management of Construction CO 240</td>
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<td>The Legal Environment of Business GB 202</td>
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<td>Principles of Microeconomics EC 205</td>
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<tr>
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<td>Soil Mechanics and Foundation Const CO 330</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Soil Mechanics Lab GO 305</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Electrical Installations CO 352</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Constructure Operations &amp; Improve CO 374</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Labor Relations Course</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Technical Writing E 202</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>18</td>
</tr>
</tbody>
</table>

**SENIOR**

<table>
<thead>
<tr>
<th>SEM</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Concrete &amp; Formwork Construction CO 410</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Project Scheduling &amp; Control CO 417</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fund of Speech Communication CM 111</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Technical/Management Electives**</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area I Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>16</td>
</tr>
</tbody>
</table>
### Manufacturing Technology Program

**Bachelor of Science Degree**

**CONSTRUCTION MANAGEMENT MINOR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Graphics EN 108</td>
<td>2</td>
</tr>
<tr>
<td>Intro Management of Construction CO 240</td>
<td>3</td>
</tr>
<tr>
<td>Contracts &amp; Specifications CO 245</td>
<td>3</td>
</tr>
<tr>
<td>Cost Estimating &amp; Bidding CO 370</td>
<td>4</td>
</tr>
<tr>
<td>Connt Operations &amp; Improvements CO 374</td>
<td>2</td>
</tr>
<tr>
<td>Project Scheduling CO 417</td>
<td>3</td>
</tr>
</tbody>
</table>

*Math — Competency Exam is required: M 020, M 108 and/or M 111 may be required prior to M 204.*

**APPROVED TECHNICAL/MANAGEMENT ELECTIVES:**

- CO 493, 497, EN 206, 301, 320, 382
- CO 101, AC 351, FI 201, MG 305, 340, 415, MK 301, PR 345; AS 328; CB 360.

*Chosen from: MG 330, MG 340 or MG 415.*

**MANUFACTURING TECHNOLOGY PROGRAM**

**Area I Elective**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

*Area I Elective chosen from: E 202; EN 301, 320; MF 308, 312, 346, 350, 406, 450, 470; or Uol ME 409.*

### Recommended Program

**PRE-ENGINEERING MAJOR**

All of the following courses will transfer to either of Idaho’s two schools of engineering, as well as most other engineering colleges. BSU offers at least 82 of the 128 credits required for an engineering degree in all of the engineering branches offered at Idaho. Therefore, it is possible to complete a degree in three semesters after transferring from Boise State.

B.S. degrees in electrical engineering and computer engineering are available on the Boise State campus from the University of Idaho. Contact your BSU advisor or the University of Idaho Director of Engineering Education for details.

#### Recommended Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition E 101, 102</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Calculus &amp; Analytical Geometry M 204, 205</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>Engineering Graphics EN 212</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Engineering Electives</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Area I Elective</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

#### Common Core for All Branches

- Humanistic-Social Electives (See Advisor) 12
- Electrical, Magnetism & Optics + Lab PH 213, 214 5
- Elect. Engr. Circuits E 227# 3
- Mechanics/Statics EN 205 3
- Calculus & Analytical Geometry M 204 5
- Differential Equations M 311 4
- Mechanics of Materials EN 306† 3
- Fluid Mechanics EN 301† 3

**TOTAL** 41

*Chemical and Metallurgical majors add C 134.

# Electrical and Mechanical majors substitute EN 221.
† Electrical majors select one course from EN 301, EN 306 or EN 320.

### ADDITIONAL TRANSFERABLE COURSES

#### Branch Variation

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agricultural Engineering</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FRESHMAN YEAR PLUS COMMON CORE</strong></td>
<td>71</td>
</tr>
<tr>
<td><strong>Mechanics/Dynamics EN 206</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Thermodynamics and Heat Transfer EN 320</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Engineering Measurements EN 216</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Biological Science Elective</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 83

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Engineering</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FRESHMAN YEAR PLUS COMMON CORE</strong></td>
<td>71</td>
</tr>
<tr>
<td><strong>Chemical Engineering Electives</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Principles of Macroeconomics EC 206 (Hum-Soc)</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Thermodynamics and Heat Transfer EN 320</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Organic Chemistry C 317, 318, 319, 320</strong></td>
<td>16</td>
</tr>
<tr>
<td><strong>Physical Chemistry C 321, 322, 323, 324</strong></td>
<td>8</td>
</tr>
</tbody>
</table>

**TOTAL** 95

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Civil Engineering</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FRESHMAN YEAR PLUS COMMON CORE</strong></td>
<td>71</td>
</tr>
<tr>
<td><strong>Civil Engineering Electives</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mechanics/Dynamics EN 206</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Thermodynamics and Heat Transfer EN 320</strong></td>
<td>3</td>
</tr>
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</table>

**TOTAL** 71
### School of Applied Technology

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Engineering (IDAHO STATE)</strong></td>
<td></td>
</tr>
<tr>
<td>FRESHMEN YEAR PLUS COMMON CORE</td>
<td></td>
</tr>
<tr>
<td>Technical Writing E 202</td>
<td></td>
</tr>
<tr>
<td>Physical Chemistry C 321-322-323-324</td>
<td></td>
</tr>
<tr>
<td>Math Elective</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>85</td>
</tr>
<tr>
<td><strong>Mining Engineering</strong></td>
<td></td>
</tr>
<tr>
<td>FRESHMEN YEAR PLUS COMMON CORE</td>
<td></td>
</tr>
<tr>
<td>Technical Writing E 202</td>
<td></td>
</tr>
<tr>
<td>Engineering Measurements EN 216</td>
<td></td>
</tr>
<tr>
<td>Physical Geology GO 101</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>81</td>
</tr>
<tr>
<td><strong>Mechanical Engineering</strong></td>
<td></td>
</tr>
<tr>
<td>FRESHMEN YEAR PLUS COMMON CORE</td>
<td></td>
</tr>
<tr>
<td>Prin of Economics EC 205, 206 (Hum-Soc)</td>
<td></td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td></td>
</tr>
<tr>
<td>Thermodynamics and Heat Transfer EN 320</td>
<td></td>
</tr>
<tr>
<td>Technical Writing E 202</td>
<td></td>
</tr>
<tr>
<td>Physical Geology GO 101</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>87</td>
</tr>
<tr>
<td><strong>Electrical Engineering</strong></td>
<td></td>
</tr>
<tr>
<td>FRESHMEN YEAR PLUS COMMON CORE</td>
<td></td>
</tr>
<tr>
<td>Systems and Circuits II EN 223</td>
<td></td>
</tr>
<tr>
<td>Technical Writing E 202</td>
<td></td>
</tr>
<tr>
<td>Digital Circuits I EN 230</td>
<td></td>
</tr>
<tr>
<td>Electricity &amp; Magnetism PH 381, 382</td>
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<tr>
<td>Mechanics/Dynamics EN 206</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<tr>
<td><strong>Metallurgical Engineering</strong></td>
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<tr>
<td>FRESHMEN YEAR PLUS COMMON CORE</td>
<td></td>
</tr>
<tr>
<td>Technical Writing E 202</td>
<td></td>
</tr>
<tr>
<td>Physical Chemistry C 321-322-323-324</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>85</td>
</tr>
<tr>
<td><strong>CO 204 INTRODUCTION TO THE MANAGEMENT OF CONSTRUCTION (3-0-3)(S)</strong></td>
<td></td>
</tr>
<tr>
<td>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. Friday field trips required. PREREQ: EN 108.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 246 CONTRACTS AND SPECIFICATIONS (3-0-3)(S)</strong></td>
<td></td>
</tr>
<tr>
<td>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. Friday field trips required. PREREQ: GB 202.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 320 CONSTRUCTION EQUIPMENT &amp; METHODS (3-0-3)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>Characteristics, capabilities, limitations and employment of general building and heavy construction equipment. Friday field trips required. PREREQ: EN 205.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)(S)</strong></td>
<td></td>
</tr>
<tr>
<td>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: EN 205 or PERM/INST. COREQ: GO 305.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 351 MECHANICAL INSTALLATIONS (3-0-3)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>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. Friday field trips required. PREREQ: PH 102 and EN 205.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 352 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (3-0-3)(S)</strong></td>
<td></td>
</tr>
<tr>
<td>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. Friday field trips required. PREREQ: PH 102 and EN 205.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 370 COST ESTIMATING AND BIDDING (3-3-4)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>Extracting quantity takeoffs from drawings, classifying the work in accordance with specifications, compiling and pricing estimates and preparation of bids. PREREQ: CO 235, CO 246 and M 111 or equivalent.</td>
<td></td>
</tr>
<tr>
<td><strong>CO 410 CONCRETE AND FORMWORK CONSTRUCTION (3-0-3)(F)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CO 475 PROJECT MANAGEMENT (2-0-2)(S)</strong></td>
<td></td>
</tr>
<tr>
<td>Application of professional construction management techniques such as site investigation, contractor and subcontractor qualifications, conceptual estimating and budgeting, value engineering, quality assurance, business development, risk management and ethics as applied to the management of construction projects. PREREQ: CO 240 and CO 246.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 104 (CS 124) DIGITAL COMPUTER PROGRAMMING (2-0-2)(F/S)</strong></td>
<td></td>
</tr>
<tr>
<td>An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling, and arrays and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 107 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>An introduction to engineering analysis including subdivisions and organization of the professions, methods of analysis, including vectors, computer Fortran programming, use of spread sheets, an introduction to micro computer drafting systems, and general use of the personal computer. PREREQ: M 106 or M 108.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 109 DIGITAL COMPUTER PROGRAMMING (2-0-2)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling, and arrays and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 110 ENERGY FOR SOCIETY (3-2-4)(F/AREA III)</strong></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 123 PROJECT SCHEDULING (2-0-2)(F/S)</strong></td>
<td></td>
</tr>
<tr>
<td>A basic course in technical drawing covering sketching, orthographic projection, sectioning, dimensioning, pictorial drawing and introduction to computer drafting systems.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 124 PERMANENT/INSTANCED® COMPUTER PROGRAMMING (3-0-3)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling, and arrays and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 125 DIGITAL COMPUTER PROGRAMMING (2-0-2)(F/S)</strong></td>
<td></td>
</tr>
<tr>
<td>An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling, and arrays and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 126 ENGINEERING GRAPHICS (2-2-2)(F)</strong></td>
<td></td>
</tr>
<tr>
<td>Engineering graphical transmission of information including use of micro computer design and drafting systems. PREREQ: EN 107 or EN 101.</td>
<td></td>
</tr>
<tr>
<td><strong>EN 205 MECHANICS/STATICS (3-0-3)</strong></td>
<td></td>
</tr>
<tr>
<td>Covers basic statics including equilibrium, analysis of trusses, frames and machines, centroids, static friction and moments of inertia. PREREQ: M 204 or PERM/INST.</td>
<td></td>
</tr>
</tbody>
</table>
EN 206 MECHANICS/DYNAMICS (3-3-3S). Kinematics and kinetics of both particles and rigid bodies using the concepts of force, mass acceleration, work and energy plus impulse and momentum for general plane motion. PREREQ: EN 205.

EN 215 BASIC SURVEYING (1-3-2F). A basic course in surveying for non-engineering majors. Course covers use of transit, level, plane table and computations related to evaluation, traverse and stadia surveys. PREREQ: M 111 or equivalent.

EN 216 ENGINEERING MEASUREMENTS (2-3-3S). Theory and practice; manipulation of instruments for horizontal and vertical distance measurements and angle measurements; types and distribution of errors; route and land surveying; construction surveying introduction to photogrammetry. PREREQ: M 111 or equivalent.

EN 221 SYSTEMS AND CIRCUITS I (3-0-3F). 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. There is one three-hour laboratory per week. COREQ: M 331.

EN 223 SYSTEMS AND CIRCUITS II (4-3-5S). A continuation of EN 221 extending into second order circuits, the use of phasors, AC steady-state analysis and frequency-domain analysis, polyphase circuits, transformers, filters and Fourier analysis. PREREQ: EN 221 and M 205.

EN 227 ELECTRICAL ENGINEERING CIRCUITS (3-0-3F). A survey course in circuit analysis for engineering majors other than electrical and mechanical. Topics covered include D.C. and A.C. circuit analysis using the basic network theorems and analysis methods. PREREQ: M 204.

EN 230 DIGITAL CIRCUITS I (3-0-4F). An introduction to number systems, Boolean algebra, logic gates, Karnaugh mapping, combinational circuits, registers, and arithmetic operations. PREREQ: Math equivalent to M 106, 108, 111; offered every odd numbered year.

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 205 and EN 206.

EN 306 MECHANICS OF MATERIALS (3-0-3S). Elasticity, strength, and modes of failure of engineering materials; theory of stress and strain 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 (3-0-3F). 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 211.

EN 382 ENGINEERING ECONOMY (3-0-3FS). 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.

MF MANUFACTURING TECHNOLOGY

Lower Division


MF 202 MANUFACTURING MATERIALS & PROCESSES I (2-4-3F). A study of the properties of materials used in the manufacturing process including ferrous and non-ferrous metals and the equipment and processes used in the product manufacturing cycle.

MF 204 MANUFACTURING MATERIALS & PROCESSES II (2-4-3S). A continuation of Manufacturing Materials & Processes I. The study of the properties of wood, organics, plastics and composites and the equipment and processes used in the manufacturing cycle. PREREQ: MF 202.

MF 210 COMPUTER AIDE DESIGN (CAD) (2-4-3F). CAD techniques applied to the mechanical system designs with an emphasis on the manufacturability of the end product. PREREQ: EN 108.

MF 220 COMPUTER AIDE MANUFACTURING (CAM) (2-4-3S). A lecture/laboratory course designed to introduce the student to the concept of group technology, computer scheduling, process control, coding and classification systems, and the relationship between part grouping and part costing. It includes justification for and application of computer assistance in the manufacturing process, machine process control and an introduction to programming of computer controlled machines. PREREQ: MF 204, 210.

Upper Division

MF 308 ASSEMBLY TECHNIQUES (2-4-3F). A study of the techniques of assembly — both manual and automated. The design of assembly unique documentation. Offered on demand.

MF 310 PRODUCTION PROCESS (2-4-3F). The design and application of production processes with consideration to the end product. Emphasis on the choice and sequence of processing to assure productivity and to efficiently obtain an end product at the least cost. PREREQ: MF 220.

University of Idaho Engineering in Boise Program

University of Idaho Engineering in Boise Program

EN 312 JIGS & FIXTURES (2-4-3S). The design and application of jigs and fixtures for machine tools. PREREQ: MF 204. Offered on demand.

EN 320 MICROPROCESSOR APPLICATIONS (3-4-3S). A study of the application of microprocessors in controlling the manufacturing process. An introduction to transducers, amplifiers, interfacing, data acquisition, A/D and D/A converters and the problems of noise and process safety. PREREQ: EN 230.

EN 324 INSTRUMENTATION & CONTROL (2-4-3S). The application of electronic, mechanical, fluidal, and thermal instrumentation and control mechanisms to monitor and control the manufacturing process. COREQ: MF 220.

EN 346 SHOP FLOOR CONTROL (3-0-3S). This course expands on the topics of production control in PR 345 Principles of Production Management, as they apply to the manufacturing technologist. Topics covered will include production systems analysis, routing, dispatching, line balancing, flexible manufacturing systems, just-in-Time manufacturing and machine utilization and maintenance. PREREQ: PR 345. Offered on demand.

EN 350 FOOD PROCESSING AND ENVIRONMENT (3-0-3F). Materials handling and processing, psychrometrics, heat and mass transfer, pumps and fans, refrigeration, agricultural environments and waste management. PREREQ: PH 102, CH 107. Offered on demand.

EN 380 QUALITY SYSTEMS LABORATORY (0-2-1S). An investigation of the capability and economic limitations of various methods of measuring quality in manufacturing systems. Students will design and construct quality measuring stations to gather and interpret quality data. COREQ: PR 380.

EN 406 COMPUTER SYSTEMS INTEGRATION (3-0-3F). The integration of the various elements in the computer systems required for a CIM factory. A study of the interfacing problems associated with several system vendors. LAN's, machine controllers and bridging systems. PREREQ: MF 220 or PERM/INST. Offered on demand.

MF 410 ROBOTICS (2-4-3F). A lecture/laboratory course concerned with the capabilities of and the justification for industrial robots. Students will develop several robot programs which simulate realistic situations involving processing, assembly and materials handling instructions. PREREQ: MF 220.

MF 430 MANUFACTURING COST REDUCTION & CONTROL (3-0-3F). An in-depth study of the methodologies used in recording and reporting product cost. The application of manufacturing engineering and production management skills to lower and/or maintain product cost. A study of the interrelationships and product cost impact of JIT, TQC, CAD/CAM and CIM. PREREQ: PR 345, MF 310.

MF 440 MATERIAL HANDLING AND PLANT LAYOUT (3-0-3S). The integrated design of typical manufacturing plants and material handling schemes using the principles of CIM to achieve an effective and efficient flow appropriate for both present and future needs. PREREQ: MF 310.

MF 450 FOOD PROCESS TECHNOLOGIES (3-2-3F). The design of food processing systems. A study of food properties and thermal and physical processes. PREREQ: MF 350. Offered on demand.

MF 470 PROCESS ENVIRONMENT DESIGN (3-2-3S). The design of process environments such as clean rooms, food processing areas, shielded areas and other process/product unique environments. A study of governmental standards — FDA, NASA, MIL STD, etc. COREQ: MF 440. Offered on demand.

MF 480 MANUFACTURING SIMULATION (2-4-3S). A capstone course utilizing all the skills attained to design and simulate a manufacturing operation for an assigned new product. Students will work individually and in small teams to complete this senior project. PREREQ: MF 410.

University of Idaho Engineering in Boise Program

Technology Building, Room 201
Telephone (208) 385-1309

Director and Associate Professor of Computer Science: Robert Rinker; Electrical Engineering Faculty: Dr. Richard Wall; Mechanical Engineering Faculty: Dr. Paul Dawson; Assistant to the Director: Kathy Belknap.

Degrees Offered

• BS in Computer Engineering
• BS in Electrical Engineering

Program Statement

As part of its statewide role and mission, the University of Idaho is pleased to be offering engineering education opportunities in the Boise area. We are presently offering complete bachelor of science degrees in Electrical Engineering and Computer Engineering, plus coursework leading to bachelor degrees in Chemical, Civil and Mechanical Engineering.
The University of Idaho College of Engineering, with the very generous cooperation of Boise State University, has been teaching classes on the Boise State campus since 1968. The first engineering degrees earned through the Boise Program were awarded in 1990. To cater to the special needs of working students, classes are scheduled in the late afternoon and evening time. Courses are taught by University of Idaho engineering faculty, utilizing facilities provided by Boise State University.

Students wishing to pursue an engineering degree in Boise take most of the first two years of coursework through the BSU pre-engineering program. After two years, the student "transfers" to UI and then continues by taking UI courses taught on the BSU campus.

Admission to Classes
As prerequisite to any upper-division course normally taken in the junior or senior year and offered by the Engineering in Boise Program, students must have completed selected courses from the required courses in chemistry, computer science, engineering, mathematics, and physics that are normally to be taken by them during their first two years and must have attained a grade of C or better in each of those courses. These courses are marked with a "*" in each individual curriculum.

Fees
Students enrolled in the Engineering in Boise Program pay fees through BSU. For part-time students (less than eight total credits) you pay on a per credit basis the same as you would if you were attending either university. For full time students, you pay one full-time fee regardless of the combination of credits taken from the two universities. You may take classes from both UI and BSU at the same time at no additional charge.

Financial Aid
Applications for financial aid are processed by the BSU Office of Financial Aid.

General Education Requirements
Since the degree that will be earned is a UI degree, all UI requirements for graduation must be met. One area of difference between BSU requirements and UI requirements is in the General Education (or Core) Requirements. While many of the courses listed as BSU core requirements will indeed satisfy UI core requirements, some do not. The number of credits required by UI in each core category is also different. Please consult with the UI Boise Engineering office to determine which core courses are appropriate for a UI engineering degree.

Writing Proficiency Test
All students transferring to UI are required to take a Writing Proficiency Test administered by the UI English Department. This test is given in Boise twice a year, once in the fall and once in the spring. Please note that this test is NOT the same as the test given by the BSU English department.

Curriculums
All curriculums are subject to review by the departmental faculty. Please refer specific questions to the UI Engineering in Boise Program Office.

Recommended Program

**COMPUTER ENGINEERING CURRICULUM**

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<td>Pascal Prog CS 125</td>
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**SOPHOMORE**

| Anal Geom & Calc II M 205 | BSU* | 4   |

**ELECTRICAL ENGINEERING CURRICULUM**

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| SOPHOMORE        |     |     |
| Anal Geom & Calc III M 206 | BSU* | 4   |
| Mech Waves & Heat & Lab PH 211, 212 | BSU* | 5   |
| Intro Mechanics EN 205 | BSU* | 3   |
| Systems & Circuits I EN 221 | BSU* | 3   |
| Elective HS | BSU | 3   |
| **SEMESTER CREDITS** | | 18 16 |

| JUNIOR           |     |     |
| Electronics I & Lab EE 316, 317 | UI@BOI | 4   |
| Dig Comp Fund EE 340 | UI@BOI | 3   |
| Dig Logic Lab EE 344 | UI@BOI | 1   |
| Signal & Systems EE 350 | UI@BOI | 4   |
| Technical Writing E 202 | BSU | 3   |
| Electronics II & Lab EE 318, 319 | UI@BOI | 4   |
| Elec Machinery EE 320 | UI@BOI | 5   |
| Elec Mag Theory EE 330 | UI@BOI | 4   |
| Elective HS | BSU | 3   |
| **SEMESTER CREDITS** | | 18 16 |

| SENIOR           |     |     |
| Principals of Design EE 480 | UI@BOI | 3   |
| Senior Seminar EE 491 | UI@BOI | 0   |
| Eng Science Elective ES | BSU | 3   |
| Principals of Design EE 481 | UI@BOI | 3   |
| Engineering Economics EN 382 | BSU | 3   |
### Chemical Engineering Curriculum

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**TE** = Technical upper-division electives (at least 12 credits must be in EE courses).

### Mechanical Engineering Curriculum

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UI at Boise Course Offerings

EE/XE ELECTRICAL ENGINEERING/COMPUTER ENGINEERING

EE 292/XE 292 SOPH SEMINAR (0 cr/S). Curriculum options, elective courses, prep for graduate study, and current tech topics. Field trip may be required. Graded PF.

EE 316/XE 316 ELECTRONICS (3 cr/F). Introduction to application of electronic devices in electrical networks; diodes, rectifiers, power supplies, and thermal management; bipolar junction transistor principles, biasing, modeling and low-frequency, small signal applications; field effect transistor principles, biasing modeling and low-frequency small-signal operation; operational amplifier fundamentals and applications. Preregistration required; consult department administrator. PREREQ: BSU's EN 221 and EN 223.

EE 317/XE 317 ELECTRONICS LAB I (1 cr/F). Lab to accompany or follow EE 316. Preregistration required; consult department administrator. PREREQ or COREQ: EE 316.

EE 318/XE 318 ELECTRONICS II (3 cr/F). Electronic amplifier frequency response (magnitude and phase); RC coupled amplifiers in cascade; large-signal amplifiers; implications of saturation and cut-off; feedback amplifiers; intro to analog IC implementation. Preregistration required; consult department administrator. PREREQ: EE 316, 317.

EE 319/XE 319 ELECTRONICS LAB II (1 cr/S). Lab to accompany or follow EE 318. Preregistration required; consult department administrator. PREREQ: EE 316, 317. COREQ: EE 318.

EE 320/XE 320 ELECTRIC MACHINERY (5 cr/S). Theory and application of electric machines and transformers. Four lectures and one 3-hour lab a week. Preregistration required; consult department administrator. PREREQ: BSU's EN 221, EN 223 and PH 213.

EE 330/XE 330 ELECTROMAGNETIC THEORY (4 cr/F). Vector calculus; electromagnetics; electromagnetic waves in isotropic media; Maxwell's equations; boundary value problems. Preregistration required; consult department administrator. PREREQ: BSU's M 206, M 331 and PH 213.

EE 340/CompE 340/XE 340 DIGITAL COMPUTER FUNDAMENTALS (3 cr/F). Number systems, truth tables, logic gates, elementary combinational and sequential logic, concepts of machine language programming, introduction to data structures and subroutines, hands-on use of mini-computer stressed. Preregistration required; consult department administrator. PREREQ: BSU's EN 221, EN 223 and PH 213.


EE 350/XE 350 SIGNAL AND SYSTEMS ANALYSIS (4 cr/F). Continuous and discrete time signal and system analysis; Fourier transforms, z-transforms, filtering, sampling and modulation; intro to state space methods and feedback control. Preregistration required; consult department administrator. PREREQ: BSU's EN 223.

EE 440/CompE 440/XE 440 DIGITAL SYSTEMS ENGINEERING (3 cr/S). Advanced topics in combination logic design such as iterative logic arrays, hazard free design, and VLSI logic implementations; study of asynchronous and synchronous sequential circuits, combinational and sequential circuit design with PLA's; register transfer language design of digital system including data path and control structures with TTL including timing analysis. Preregistration required; consult department administrator. PREREQ: EE 340, 344, CompE 340, 344 or XE 340, 344.

EE 441/CompE 441/XE 441 COMPUTER ORGANIZATION (3 cr/S). Register transfer language design of micro and mini computer systems; micro and mini architectures including interrupt structures and software control; 8-bit and 16-bit microprocessor design including associated interfacing with RAM, ROM and I/O. Preregistration required; consult department administrator. PREREQ: EE 340, CompE 340 or XE 340.


EE 491/XE 491 SENIOR SEMINAR (0 cr/F). Technical topics, employment practice and interviewing. One lecture a week; one 3-day field trip may be required. Graded PF.

CHE/XE CHEMICAL ENGINEERING

CHE 223/XE 223 MATERIAL AND ENERGY BALANCES (3 cr/F). Conservation of mass and energy calculations in chemical process systems. PREREQ: BSU's C 131, 132 and M 205.

CE/XC CIVIL ENGINEERING


CE 342/XC 342 THEORY OF STRUCTURES (4 cr/F). Stresses and strains in statically determinate and indeterminate beam, truss, and rigid frame structures; effects of moving loads; matrix displacement method. Three lectures and one 3-hour lab a week. PREREQ: BSU's EN 306.

ME/XM MECHANICAL ENGINEERING

ME 223/XM 223 MECHANICAL DESIGN ANALYSIS (2 cr/S). Fundamentals of engineering design, graphic representation and computer-aided design (CAD) of engineering systems. Two lectures a week. PREREQ: BSU's EN 107 and EN 108.

ME 322/XM 322 APPLIED THERMODYNAMICS (4 cr/F). First and second laws; property relations; mixtures; irreversibility and availability; cycles; selected topics in applied thermodynamics; application of computers in thermodynamic system analysis and design. Three lectures and one hour of lab a week. PREREQ: BSU's EN 320.

ME 324/XM 324 DYNAMIC ANALYSIS IN MACHINE DESIGN (3 cr/F). Kinematic, static and dynamic principles and application to analysis and synthesis of machines with emphasis on computer-aided design (CAD) technology. Two lectures and one 3-hour lab a week; one 1-day field trip. COREQ: BSU's EN 206 and M 331; ME 223.

ME 345/XM 345 HEAT TRANSFER (3 cr/S). Transmission by conduction of heat in steady and unsteady states, by free and forced convection, and by radiation; combined effects of conduction, convention, and radiation. PREREQ: BSU's EN 320 and M 331.

ME 380/XM 380 MODELING OF ENGINEERING SYSTEMS I (3 cr/F). Application of math and basic engineering principles in solution of engineering problems and math modeling of engineering systems; solution of problems by analytic and numerical methods; introduction of computer program for dynamic systems analysis and for data analysis. PREREQ: BSU's M 331.

ME 381/XM 381 MODELING OF ENGINEERING SYSTEMS II (2 cr/S). Continuation of ME 380, including transfer functions, state variable technology, simulation diagrams, and complex systems modeling. PREREQ: ME 380.

ME 425/XM 425 MECHANICAL DESIGN (4 cr/S). Stress and strain, material failure, combined effects of stress, strain, and axial, shear, and torsional loads; matrix methods. Three lectures and one 3-hour lab a week. Preregistration required; consult department administrator. Projects require original design, working model, and report. Two lectures and one 3-hour lab a week. Preregistration required; consult department administrator. PREREQ: BSU's EN 306, ME 223.

Technical Division

Technology Building, Room 240
Telephone (208) 385-3764

Division Manager and Professor: Norm Dahlm.

Degrees Offered

• AAS in Drafting Technology
• AAS in Electronics Service Technology
• AAS in Electronics Technology
• AAS in Semiconductor Technology
• AAS in Manufacturing Technology

Drafting Technology—Two Year Program

Associate of Applied Science Degree
Instructors: Danny Benton, Ralph Burkey, Don Watts

This program is organized to provide drafting 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 drafters and technicians.
To be accepted into this program students must meet Vocational Technical Education Admission Requirements listed on page 164.

**FIRST SEMESTER**
Drafting Lab and Lecture DT 101 ........................................... 4
Fundamentals of Computer Drafting DT 109 .............................. 1
Fund Speech Comm CM 111 .................................................. 3
Mathematics DT 131 ............................................................ 4
Applied Physics DT 141 ....................................................... 3
*Elective (from approved list) .................................................. 3

**TOTAL** ............................................................................. 18

**SECOND SEMESTER**
Drafting Lab and Lecture DT 102 ............................................. 4
English Composition E 101 ...................................................... 3
Introduction to Surveying DT 122 ............................................ 2
Mathematics DT 132 ............................................................ 4
Applied Physics DT 142 ........................................................ 3
Fundamentals of Computer Design DT 110 ............................. 1

**TOTAL** ............................................................................. 16

**THIRD SEMESTER**
Drafting Lab and Lecture DT 201 ............................................. 4
Descriptive Geometry & Development DT 221 ......................... 3
Applied Mathematics DT 231 ................................................. 3
Statics DT 241 ................................................................. 4
Graphics DT 261 ............................................................... 2
Occupational Relations DT 262 ............................................. 1

**TOTAL** ............................................................................. 17

**FOURTH SEMESTER**
Drafting Lab and Lecture DT 202 ............................................. 4
Technical Report Writing DT 222 ......................................... 2
Applied Mathematics DT 232 ................................................. 3
Specialized Graphics DT 263 ................................................. 2
Strength of Materials DT 242 ................................................. 4
*Elective (from approved list) .................................................. 3

**TOTAL** ............................................................................. 18

All courses require a minimum 'C' grade to receive the Associate's Degree.

*Approved General Electives List

*Electives 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:

- Principles of Macroeconomics EC 206 .................................... 3
- Introduction to Business GB 101 ............................................ 3
- General Psychology P 101 ................................................. 3
- Career Life Planning P 151 ................................................. 3
- Introduction to Sociology SO 101 ........................................ 3

**Course Offerings**
See page 20 for definition of course numbering system

**DT DRAFTING TECHNOLOGY**
DT 101 DRAFTING LABORATORY AND LECTURE (1-14-4)(F). 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 109 FUNDAMENTALS OF COMPUTER-AIDED DRAFTING AND DESIGN (1-1-1)(F/S). This course is an introduction to Computer-Aided Drafting and Design Systems. It will prepare students for keyboarding, to operate the systems and understand the applications of computer graphics to industry standards. Students will learn to use an interactive computer graphic system to prepare drawings on a CRT. They will store and retrieve drawings and related information on a magnetic disc and produce commercial quality copies using a computer-driven plotter. COREQ: Familiarity with basic drafting procedures and standards.

DT 110 ADVANCED COMPUTER-AIDED DRAFTING AND DESIGN (1-1-1)(F/S). This course provides the student with skills in three dimensional CAD drafting, developing shape files and menus, digitizing, and illustrations. PREREQ: DT 109.

DT 122 SURVEYING (2-3-2)(S). Introduction to surveying, methods and computation. Required field work with emphasis on compiling data and office computations. PREREQ: or COREQ: DT 132.

**Electronic Service Technology—Two Year Program**

Associate of Applied Science Degree
Instructors: Robert Dodson, Bob Jull, Joe Schreffler, Stan Sluder, James Stack

A graduate of this program will be prepared for entry-level placement with industry and will possess a broad-based general knowledge in electronic concepts, circuits, and equipment repair, maintenance, and interfacing. The graduate will gain experience in the areas of analog and digital electronics with major emphasis in the fields of digital electronics, telecommunication and electromechanical systems.

To be accepted into this program students must meet Vocational Technical Education Admission Requirements listed on page 164.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>SEM 1st</th>
<th>SEM 2nd</th>
</tr>
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<tbody>
<tr>
<td>Fundamentals of Computer Design</td>
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<td>Introduction to Electronics Laboratory</td>
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<tr>
<td>English Composition E 101</td>
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<td>Electronics Theory ES 122</td>
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<td>Electronics Mathematics ES 133</td>
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<td>Computer Literacy for Elect Tech ES 188</td>
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<tr>
<td>Intro to Digital Electronics ES 123</td>
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</tbody>
</table>
SOPHOMORE YEAR

Applications.

dgraphing.

equations, exponential and logarithmic equations, vectors and

ES123 INTRODUCTION TO DIGITAL ELECTRONICS (2-0-2)(F/S). Introduction to

digital circuits and theory. Use of standard test equipment.

ES122 ELECTRONIC THEORY (5-0-5)(F/S). Theory of direct and alternating
currents in passive circuits. Analysis of RLC configurations in both ac and

dc applications.

ES123 INTRODUCTION TO DIGITAL ELECTRONICS (2-0-2)(F/S). Introduction to
digital number systems, digital coding, logic gates and logic families.

ES124 ELECTRONICS MATHEMATICS (5-0-5)(F/S). The number system, algebra

equations, and algebraic concepts. Use of logarithmic equations, vectors and

graphing.

ES163 DIGITAL SYSTEMS I (2-0-2)(F/S). Basic TTL and MOS gate operations, com-
bination of logic circuits, Boolean Algebra, fan-out specifications, propagation

delay and operating speed. PREREQ: ES123.

ES172 LINEAR SYSTEMS I (5-0-5)(F/S). Ac and dc properties of diodes and tran-
sistors. Bipolar junction transistors, junction field effect transistors and MOS
devices. Circuits employing diodes and transistors. Transistor amplifier biasing,
load line computations and gain determinations. PREREQ: ES122. COREQ: 182.

ES173 LINEAR SYSTEMS LABORATORY (1-0-15)(F/S). Laboratory exercises to com-
plement ES172 and ES163. PREREQ: ES106.

ES182 APPLIED MATHEMATICS (3-0-3)(F/S). The mathematical analysis of circuits
introduced in ES172. Solution of quadratic equations. Complex number system
and use in circuit calculations. COREQ: ES172.

ES188 COMPUTER LITERACY FOR ELECTRONIC TECHNICIANS (2-0-2)(F/S). An
introduction to computer, using basic components (resistors, capacitors and inductors).

ES206 ELECTRONICS LAB (0-15-3). Combined electronics lab covering circuits and
equipment used in ES237, ES214, and ES285. Lab will stress hands-on exposure
to circuits and equipment and will provide various troubleshooting techniques.

ES214 DIGITAL SYSTEMS II (3-0-3)(F/S). Implementation of sequential logic. Flip-

ES232 TELECOMMUNICATION SYSTEMS I (2-0-2)(F/S). Introduction to electronic
communication systems. Amplitude modulation and detection, percentage of
modulation, bandwidth of AM signals, RF power calculations. Radio frequency
transmitter and receiver systems.

ES214 DIGITAL SYSTEMS II (3-0-3)(F/S). Study of operational amplifiers and other
linear circuits. Operational amplifier theory and OP AMP circuits commonly
found in electronic equipment. Amplifiers, oscillators, filters and precision rectifiers.
PREREQ: ES172.

ES264 ECONOMICS OF ELECTRONIC SERVICE MANAGEMENT (3-0-3)(F/S). Study
of electronic equipment, practices and standards. Includes customer and
employee relations, management skills, and invoicing, warranty claims and
procedures.

ES274 CET CERTIFICATION (1-0-1)(F/S). Study for and completion of requirements
for Certified Electronics Technician examination. Associate Level Exam

Course Offerings

See page 20 for definition of course numbering system

ES—ELECTRONICS SERVICE TECHNOLOGY

ES106 ELECTRONICS LABORATORY I (0-15-3)(F/S). Experiments in direct and altering
current theory, using passive components (resistors, capacitors and inductors).
The use of standard test equipment.

ES122 ELECTRONIC THEORY (5-0-5)(F/S). Theory of direct and alternating cur-
rents in passive circuits. Circuit analysis of RCL configurations in both ac and
dc applications.

ES123 INTRODUCTION TO DIGITAL ELECTRONICS (2-0-2)(F/S). Introduction to
digital circuits and theory. Use of standard test equipment.

ES124 ELECTRONICS MATHEMATICS (5-0-5)(F/S). The number system, algebra
equations, and algebraic concepts. Use of logarithmic equations, vectors and
graphing.

ES163 DIGITAL SYSTEMS I (2-0-2)(F/S). Basic TTL and MOS gate operations, com-
bination of logic circuits, Boolean Algebra, fan-out specifications, propagation
delay and operating speed. PREREQ: ES123.

ES172 LINEAR SYSTEMS I (5-0-5)(F/S). Ac and dc properties of diodes and tran-
sistors. Bipolar junction transistors, junction field effect transistors and MOS
devices. Circuits employing diodes and transistors. Transistor amplifier biasing,
load line computations and gain determinations. PREREQ: ES122. COREQ: 182.

ES173 LINEAR SYSTEMS LABORATORY (1-0-15)(F/S). Laboratory exercises to com-
plement ES172 and ES163. PREREQ: ES106.

ES182 APPLIED MATHEMATICS (3-0-3)(F/S). The mathematical analysis of circuits
introduced in ES172. Solution of quadratic equations. Complex number system
and use in circuit calculations. COREQ: ES172.

ES188 COMPUTER LITERACY FOR ELECTRONIC TECHNICIANS (2-0-2)(F/S). An
introduction to computer, using basic components (resistors, capacitors and inductors).

ES206 ELECTRONICS LAB (0-15-3). Combined electronics lab covering circuits and
equipment used in ES237, ES214, and ES285. Lab will stress hands-on exposure
to circuits and equipment and will provide various troubleshooting techniques.

ES214 DIGITAL SYSTEMS II (3-0-3)(F/S). Implementation of sequential logic. Flip-

ES232 TELECOMMUNICATION SYSTEMS I (2-0-2)(F/S). Introduction to electronic
communication systems. Amplitude modulation and detection, percentage of
modulation, bandwidth of AM signals, RF power calculations. Radio frequency
transmitter and receiver systems.

ES214 DIGITAL SYSTEMS II (3-0-3)(F/S). Study of operational amplifiers and other
linear circuits. Operational amplifier theory and OP AMP circuits commonly
found in electronic equipment. Amplifiers, oscillators, filters and precision rectifiers.
PREREQ: ES172.

ES264 ECONOMICS OF ELECTRONIC SERVICE MANAGEMENT (3-0-3)(F/S). Study
of electronic equipment, practices and standards. Includes customer and
employee relations, management skills, and invoicing, warranty claims and
procedures.

ES274 CET CERTIFICATION (1-0-1)(F/S). Study for and completion of requirements
for Certified Electronics Technician examination. Associate Level Exam

preparation.

ES275 DIGITAL SYSTEMS III (3-0-3)(F/S). Study of various logic families. Data Con-
version, analog-to-digital and digital-to-analog conversion, digital data transmis-
sion and reception, memory devices and systems. Digital signal processing basics.
PREREQ: ES264.

ES277 MICROPROCESSOR SYSTEMS (4-0-4)(F/S). Study of microprocessor func-
tions based on 6800 series microprocessor. Number systems, microprocessor
basics, computer arithmetic, programming, microprocessor instruction codes,
central processor unit structure, and interfacing. PREREQ: ES214.

ES281 ELECTRO-MECHANICAL SYSTEMS (3-0-3)(F/S). Electronic measurement and
detection through the use of electronic transducers. Mechanical control through
the use of electro-mechanical actuator devices. Photoelectric sensors, thermal
sensors, displacement sensors. Solenoids, relays, stepper motors and servo
actuators.

FM signal systems, frequency modulation and detection, single-sideband commu-
nications, television systems. Propagation, antennas and transmission lines.
Pulse modulation techniques, data communications and standards. Digital signal
communication methods. Telephone and satellite communications. PREREQ: ES232.

ES288 ELECTRONICS LAB (0-15-3)(F/S). Combined electronics lab covering cir-
cuits and equipment used in ES279, ES277, ES232, ES285 and ES281. Hands-on
exposure with emphasis on troubleshooting approaches.

EXTENDED PROGRAMS OFFERING

The following Extended Programs offerings are not required in the Elec-
tronic Technology AAS degree program. These courses are
designed for upgrading of individuals employed in the Electronic Ser-
vice Industry. PREREQ: Minimum of two years employment as an Elec-
tronic Service Technician, or PERM/INST.

-course Offerings

ES293 FIBER OPTICS (2-0-2). Basic electronics overview including introductory
circuit concepts and schematic interpretation. General circuit construction,
voltage, current, power and resistance concepts. Components of fiber optic com-
munication systems. Optical fiber properties and types, applications, advantage
and limitations. Transformation of voice information to digital form and applica-
tions of digital signal multiplexing for use with optical fiber signal transmission
and reception. System testing and standardized troubleshooting procedures.

ES295 DIGITAL CONCEPTS WITH INTRO MICROPROCESSORS (1-4-2). A
lab course oriented digital electronics course covering the areas of combinational
logic, sequential logic, digital-to-analog and analog-to-digital conversion and
introductory microprocessors. Logic troubleshooting will be emphasized
throughout the course and troubleshooting instruments and techniques will be
introduced.

Electronics Technology—
Two Year Program

Associate of Applied Science Degree

Instructors: Robert Dobson, Bob Jull, Joe Schreffer,
Stan Sluder, James Stack

The Electronics Technology Program prepares students as entry level
electronic engineering technicians. These individuals are prepared to
work as individuals or team members together with scientists,
engineers, and manufacturing or research specialists. The graduate of
this program will obtain broad-based experience in areas of digital elec-
tronics systems, electronic communications systems, and electronic measurement
and control systems.

To be accepted into this program students must meet Vocational Technical
Education Admission Requirements listed on page 164.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course Offering</th>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Systems I ES 163</td>
<td></td>
<td></td>
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<tr>
<td>Linear Systems I ES 172</td>
<td></td>
<td></td>
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<tr>
<td>Linear Systems I Lab ES 173</td>
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<tr>
<td>Applied Math ES 182</td>
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<tr>
<td>Fund of Speech Comm CM 111</td>
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<tr>
<td>TOTAL</td>
<td>18</td>
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</tbody>
</table>
Semiconductor Technology—Two Year Program

Associate of Applied Science Degree

To be accepted into this program students must meet Vocational Technical Education Admission Requirements listed on page 164.

The successful completion of ET 131-132 or M 111, or the equivalent is prerequisite for this major.

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tr>
<td>General Physics PH 101, 102</td>
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<tr>
<td>College Chemistry C 131</td>
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<tr>
<td>Chemistry Lab C 132</td>
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<tr>
<td>Advanced Electronics Math ET 231-232</td>
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<tr>
<td>Communication Skills ET 111-112</td>
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<tr>
<td>Intro to Digital Electronics ET 161</td>
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<tr>
<td>Intro to Integrated Circuit Industry ET 181</td>
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<tr>
<td>Intro to Integrated Circuit Processing ET 182</td>
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<tr>
<td>Integrated Circuit Processing I ET 183</td>
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**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM</th>
<th>2nd SEM</th>
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<tbody>
<tr>
<td>Digital Systems I and II ET 162, ET 264</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Technical Report Writing ET 113</td>
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<tr>
<td>Intro to Solid State Physics ET 291</td>
<td>3</td>
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<tr>
<td>Solid State Device Physics ET 292</td>
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<td>3</td>
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<tr>
<td>Integrated Circuit Layout ET 281</td>
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<tr>
<td>Electronics Theory I and Lab ET 151-101</td>
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<tr>
<td>Electronics Theory II and Lab ET 152-102</td>
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<td>Solid State Devices I ET 172</td>
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<tr>
<td>*Elective</td>
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<td>3</td>
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</table>

**Total** 18 18

Total Number of Credit Hours: 69

**Course Offerings**

See page 20 for definition of course numbering system

**ET Electronic Technology**

**ET 101 Electronics Laboratory I (0-10-2/F).** 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 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 American and symbolic techniques, industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and resume preparation.

**ET 113 Technical Report Writing (1-4-2/F).** Composition of standardized technical reports, proper usage of electrical schematic drawings and proper usage of headings and punctuation.

**ET 131 Electronics Mathematics I (3-2-3/F).** The number system, algebra and algebraic equations, functions and the graphing of functions, exponential and logarithmic equations, and plane geometry and trigonometry.

**ET 132 Electronics Mathematics II (3-2-3/F).** Complex numbers, vectors and vector mathematics, trigonometric functions and equations, and graphing of trigonometric functions. PREREQ: ET 131.

**ET 142 Basic Physical Science (3-0-3/F).** Course covers concepts of force, displacement, power and energy and mechanical physical principles including mass, inertia, momentum, velocity and acceleration, and moment of inertia. Emphasis is placed on problem solving. PREREQ: One year high school algebra with satisfactory grade or equivalent.

**ET 151 Electronic Theory I (4-1-4/F).** 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).** 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 (2-4-2/F).** Introduction to binary number system, Boolean functions and mathematics, basic logic gates and logic families, Karnaugh mapping and Boolean simplification of logic functions.

**ET 162 Digital Systems I (2-4-2/F).** Basic TTL and MOS gate operations, combinational logic circuits, tri-state logic gates, expander functions of gates, fan-out specifications, propagation delay and operating speed. Basic sequential logic operations, R-S and J-K flip-flop fundamentals. PREREQ: ET 161.

**ET 163 Digital Systems Lab I (0-4-1/F).** Laboratory exercises to complement ET 162. See ET 162 course description. PREREQ: ET 161.


**ET 173 Solid State Devices Lab I (0-4-1/F).** Laboratory exercises to complement ET 172. Diode rectification circuits, transistor biasing and amplifying circuits. Class A, AB, B, and C amplifier circuits, troubleshooting of diode and transistor circuits.

**ET 181 Introduction to Integrated Circuit Industry (2-0-2/F).** Overview of the integrated circuits: its history, applications, and manufacturing. Course will cover the major aspects lightly and will focus on economic and social impact. PREREQ: ET 131-132, or M 111 or equivalent.

**ET 182 Introduction to Integrated Circuit Processing (2-0-2/F).** Examination of the manufacturing techniques and processes necessary to build an integrated circuit from raw materials to final products. The emphasis is on conceptual aspects of processing; however, mechanisms and modeling will be discussed. PREREQ: ET 131-132 or M 111 or the equivalent.

**ET 183 Integrated Circuit Processing I (2-0-2/F).** Descriptive treatment, in some chemical and mathematical detail, of the processes used to manufacture integrated circuits. PREREQ: ET 181, 182.

**ET 201 Linear Systems Lab (0-5-1/F).** Laboratory exercises to complement ET 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).** Laboratory exercise to complement ET 252. Communication experiments in radio frequency generation and measures, 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.


**FRESHMAN YEAR**

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<tr>
<th>Course</th>
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<tr>
<td>Material &amp; Process Manufacturing MN 100</td>
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<td>Technical Drawing EN 101</td>
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<td>Indust Organ &amp; Intro CMI MN 102</td>
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<td>AC/DC Theory MN 121</td>
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<td>Mathematics DT 131</td>
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<td>Intro to Machining Processes I MN 141</td>
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<td>Comp Literacy for Electronic Tech ES 188</td>
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<td>Engineering Graphics EN 108</td>
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<td>Industrial Safety MN 112</td>
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<td>English Composition E 101</td>
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<td>Welding Processes MN 122</td>
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<td>Mathematics DT 132</td>
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<td>Adv Machining Processes II MN 180</td>
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**SOPHOMORE YEAR**

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<tr>
<td>Fund of Speech Cm CM 111</td>
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<td>Quality Assurance &amp; Stat Proc Control MN 201</td>
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<td>Robotics &amp; Automated Machine Tool Prog MN 211</td>
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<td>Unified Tech Concepts-Physics MN 231</td>
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<td>Jig, Fixture &amp; Tool Design MN 261</td>
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<td>Manufact Plan &amp; Facil Design/Mod MN 202</td>
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<td>Prin of Microeconomics EC 205</td>
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<td>Comp Aided Design/Comp Aided Manuf MN 212</td>
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<td>Interpersonal Comm CM 221</td>
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<td>Electrical/Electronics Drafting MN 222</td>
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<td>Hazardous Waste Material Handling MN 232</td>
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</table>

**Course Offerings**

See page 20 for definition of course numbering system

**MN MANUFACTURING TECHNOLOGY**

**MN 100 MATERIAL AND PROCESS MANUFACTURING (2-0-2/F/S).** A lecture, visual aid presentation overviewing the production and general properties of common engineering materials such as iron, steel, zinc, copper, aluminum and plastics; the fundamentals of material processing such as powder metallurgy, hot and cold forming and shaping; and the basic surface protection processes such as cleaning, painting and plating.

**MN 102 INDUSTRIAL ORGANIZATION & INTRO TO CIM (3-0-3/F/S).** The exploration of dynamic industrial relationships and organizational theories. An overview of both internal and external factors that impact industry. An in-depth introduction to CIM — Computer Integrated Manufacturing.

**MN 112 INDUSTRIAL SAFETY (2-0-2/F/S).** Federal, state and local safety codes applying to materials, material handling and equipment.

**MN 121 AC/DC THEORY (1-4-2/F/S).** Terminology and fundamentals of direct and alternating currents as applied to the manufacturing environment. Practical application and skills in wiring methods and control circuits.

**MN 122 WELDING PROCESSES (2-8-4/F/S).** Oxyacetylene welding, cutting and metallic shielded arc welding. Lecture and demonstrations in gas tungsten arc, gas metal arc, plasma arc welding/cutting and robotic welding. Weldability of metals and welding metallurgy.

**MN 141 INTRODUCTION TO MACHINING PROCESSES I (2-4-3/F/S).** This sequence covers safety, shop practice and production rates. Also included are the set-up and operation of the lathes, milling machines, drill presses, power saws and grinders.

**MN 180 ADVANCED MACHINING PROCESSES II (1-8-3/F/S).** This sequence covers the use of special attachments, bench work, layout, heat treating, hardn ess testing, layout inspection, and computer numerical control mill set-up, operation and programming. PREQ: MN 141 or equivalent.

**MN 201 QUALITY ASSURANCE & STATISTICAL PROCESS CONTROL (4-0-4/F/S).** The statistical requirements necessary to control the processes of a modern manufacturing line will be covered. PREQ: DT 132 or equivalent.

**MN 202 MANUFACTURING PLANNING & FACILITY DESIGN/MODIFICATION (2-4-3/F/S).** Techniques of planning methods and procedures of manufacturing, with the goal of becoming more productive and competitive. Planning and procedures include plant layout, conventional and automated materials handling, materials requirement planning, flexible manufacturing, standardization, and inventory and warehousing planning.

**MN 211 ROBOTICS & AUTOMATED MACHINE TOOL PROGRAMMING (1-4-2/F/S).** An introduction to lecture/lab robotics in manufacturing. Includes definitions and classifications of robots, limitations and justifications of robots, and social implications of robotics as applied to manufacturing.

**Manufacturing Technology—Two Year Program**

**Associate of Applied Science Degree**

Instructors: Ed Lonsdale, Tom Murray

The Manufacturing Technology Program is designed to prepare entry level technicians to plan, organize and control manufacturing processes. Graduates from this program will be prepared to participate in a modern manufacturing environment with a technical understanding of how each particular function integrates into a complete manufacturing system. In addition they will be prepared to utilize the current techniques of computer integrated manufacturing.

To be accepted into this program students must meet Vocational Technical Education Admission Requirements listed on page 164.
School of Vocational Technical Education

- Business/Special Programs Division: Barbara Egland, Division Manager.

  Business and Office Education: Bounds, Butler, Carlson, Madarieta, Metzgar, TenEyck, Williamson.

  Health/Services Division: Bonnie J. Sumter, Division Manager.

  Child Care and Development: Gourley, Noonan; Culinary Arts: Hickman, Kulm, Slough; Dental Assistant: Beckman, Imbs, Dr. Gunnell; Horticulture Service Technician: Moen, Oyler; Practical Nursing: Borman, Lagerstrom, McCullough, Noreen, Tisdale, Towl; Respiratory Therapy Technician: Nuerenberg, Read, M.D., Voigt; Surgical Technology: Gollick.

- Canyon County Division: Dennis Griffin, Division Manager.

  Business and Office Occupations: Bounds, Madarieta; Electrical Lineworker: McKie; Professional Truck Driving: Anchestegui, Castleberry, Hibbard, Rhodemyre; Refrigeration, Heating and Air Conditioning: Messick; Water/Wastewater Technology: Dennis.

- Industrial/Mechanical Division: Gary Arambarri, Division Manager


- Technical Division: Refer to School of Applied Technology, Technical Division.

  Department Chairpersons:

  Adult Basic Education Learning Center: Elaine Simmons

  College of Technology Student Services: Sharon L. Cook

  Vocational Counselors: Daigle-Piatak, Henry, Quinowski

  School of Vocational Technical Education Emeriti: Buchanan, Callies, Dallas, Fleshman, Fuehrer, Hager, Hoff, King, Kribbaum, Lamborn, Lead, Lingenfelter, MacInnis, Olson, 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 a program in the School of Vocational Technical Education, Boise State University, must complete the following through the College of Technology Student Services at least one month prior to the start of classes:

1. Arrange a personal interview with a College of Technology Student Services counselor.

2. Submit a Boise State University application and pay the required $15.00 application processing fee.

3. Submit an official high school transcript showing date of graduation, a high school equivalency certification, or a GED certificate showing scores earned.

4. Complete an entrance assessment. May be either acceptable ASSET Assessment scores, acceptable ACT or SAT scores, or completion of an Associates or Bachelor degree program as proven by official transcripts. (The ASSET is given at any Idaho Post Secondary Vocational Technical School without a fee.) NOTE: Health and Technical programs have additional admission requirements.

5. Pay a $75.00 security deposit to hold your place in the program once you receive your Letter of Acceptance. This is applied to fees upon registration and is refundable only with justifiable cause. The deadline 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 as soon as possible. You are not admitted into a program until steps 1 through 5, and any additional applicable requirements, have been completed.

Academic Skills Development

Free assistance in math, English/Writing, reading and study skills is offered to College of Technology students and to those preparing to enter College of Technology programs. Tutoring in content areas is also available to current students. Please call (208) 385-3084 for information.

Adult Learning Center

Elaine Simmons, Department Chairperson

No Credit Granted

The Adult Learning Center operates an open entry/open exit program with individualized assistance provided by staff and volunteers. The following instruction and services are provided to adults at the Boise location on campus as well as at many outreach sites throughout the 10 counties of Southwest Idaho:

- Basic skills instruction in reading, math, English, and writing.

- Instruction and materials for GED and American Government testing preparation.

- GED and American Government testing for the High School Equivalency Certificate.

- Tutorial assistance for those needing help in meeting entrance requirements for B.S.U. College of Technology programs.

- Job Training Partnership Act opportunities through the Southwest Idaho Private Industry Council. JTPA Options provides an indepth basic skills and career exploration process for those who are eligible and enrolled.

- Southwest Center for New Directions—assistance to homemakers and single parents through counseling, workshops and support groups.

- Older Workers Employment Opportunity Program provides training and job placement services to qualified persons 55 years of age and older.

- Career counseling, assistance in developing employability skills and the Career Information System for program participants.

- Computer literacy instruction for program participants.
All services except GED and American Government testing are provided at no cost to those enrolled at the Adult Learning Center. For information or assistance, please call the Adult Learning Center at (208) 385-3681.

Graduation Requirements
All candidates for a Certificate of Completion, Diploma, or Associate of Applied Science Degree must have a minimum of a 'C' grade in the major (technical) coursework. A 2.0 grade point average is required in all other required coursework.

Curriculum Changes
The curriculum in vocational technical programs must reflect the changes and current practices of Business & Industry. Program and course curricula are changed as needs dictate. An approved process is followed prior to implementation of curriculum changes.

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.

Diploma
A Diploma is conferred upon students that successfully complete a two year program but not to complete the academic requirements for the Associate of Applied Science degree.

Associate of Applied Science Degree
Two year programs in the School of Applied Technology and 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 Course work: 42-46 credit hours or equivalent clock hours. (Minimum)
      Program elements which contain instruction directly related to a specific technical area (i.e., skills and knowledge that a person must possess to function as a technician). Course content is determined through a task analysis of the occupation for which training is provided. Local advisory committees may provide additional information.
      Example: Technical Mathematics/Technical Science/ etc.
   b. Technical Support Course work: 10-14 credit hours or equivalent clock hours.
      Course work 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.
   a. Six credits in the area of Communication Skills; the remaining credits in economics, industrial relations, or human relations.

   a. All candidates for the Associate of Applied Science degree must have a minimum of a 'C' grade in the major (technical) coursework. A 2.0 grade point average is required in all other required coursework.
   b. Students requesting admittance to the Bachelor of Applied Science program must make application through the College of Technology Student Services. The College of Technology requires that all students admitted to the BAS degree program have a grade lower than a 'C' in their major. The AAS degree is the major in a Bachelor of Applied Science degree program.

Apprenticeship, Trade Extension and Job Upgrading
Managers: Gary Aarambarri, Barbara Egland, Dennis Griffin, Bonnie Sumter.

Through cooperative arrangements with the State Board for Vocational Education, Boise State University School of Vocational Technical Education sponsors a wide range of trade extension programs for beginning, apprentice, and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, though not invariably, such courses provide related technical education for those workers receiving on-the-job instruction in such vocations as sheetmetal, carpentry, plumbing, welding, electricity, electronics, word processing, automobiles, nursing, and farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University Outreach Division. Phone: (208) 385-1974.

Programs Offered
Core Block Courses
Core Block classes are PREREQUISITES for Auto Mechanics (AM), Agricultural Equipment Technology (AE), and Heavy Duty Mechanics-Diesel (DM).

Course Offerings
See page 20 for definition of course numbering system

Certificate of Completion—Nine Month Program

Instructor: Marli Gaines

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 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.

Students will be offered entry into the Agricultural Equipment Technology program four times a school year during the fall and spring semesters, depending on available seating.

PREREQUISITE to entering the Agricultural Equipment Technology program is the basic core mechanics program or the equivalent.
This program is incorporated with the Heavy-Duty Mechanics-Diesel Program which allows enhancement of skills.

A minimum grade of 'C' is required in all coursework to graduate with a certificate of completion.

**SUBJECTS**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Block Mechanics CB</td>
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</tr>
<tr>
<td>First Eight Week Block</td>
<td></td>
</tr>
<tr>
<td><em>Engine Component Systems DM 157</em></td>
<td>5</td>
</tr>
<tr>
<td><em>Power Take-Off &amp; Drive Lines DM 161</em></td>
<td>2</td>
</tr>
<tr>
<td><em>Engine Fuel Systems DM 158</em></td>
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<td><strong>TOTAL</strong></td>
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<tr>
<td>Second Eight Week Block</td>
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</tr>
<tr>
<td><em>Clutches &amp; Transmissions DM 160</em></td>
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<tr>
<td><em>Basic Hydraulics DM 165</em></td>
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</tr>
<tr>
<td><em>Differential, Power Dividers, Final Drive &amp; Planetary Systems DM 162</em></td>
<td>2</td>
</tr>
<tr>
<td>Advanced Hydraulics AE 170</td>
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</tr>
<tr>
<td>Hydr Assist Transm &amp; Hydrosyan DM 175</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<tr>
<td>Third Eight Week Block</td>
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<tr>
<td><em>Batteries, Switches, Relays &amp; Solenoids, Starting &amp; Charging Systems DM 164</em></td>
<td>4</td>
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<tr>
<td><em>Electrical Systems, Trouble Shooting AE 165</em></td>
<td>2</td>
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<tr>
<td><em>Air Conditioning Systems AE 150</em></td>
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<tr>
<td>Hay &amp; Forage AE 160</td>
<td>1</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>8</strong></td>
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</tbody>
</table>

*See Heavy Duty Mechanics—Diesel Program for course descriptions.

**Course Offerings**

See page 20 for definition of course numbering system

**AE AGRICULTURAL EQUIPMENT TECHNOLOGY**

**AE 150 AIR CONDITIONING SYSTEMS (2-4-2)(F,S)** This course covers the basics of air conditioning, refrigerants, and oil, basic system — how it works, service equipment, inspecting and diagnosing the system, and preparing system for service. PREREQ: Core Block or PERM/INST.

**AE 160 HAY AND FORAGE (1-3-1)(F,S)** This course covers types, sizes, operation of balers and stack wagons, preliminary setting and adjustments, and trouble shooting of field problems. PREREQ: Core Block or PERM/INST.

**AE 165 ELECTRICAL SYSTEMS, TROUBLE SHOOTING (2-4-2F,S)** This course covers the theory and repair procedures on the various types of electrical systems, and trouble shooting of the electrical system. PREREQ: Core Block or PERM/INST.

**AE 170 ADVANCED HYDRAULICS (2-4-2)(F,S)** This course covers the diagnosis and repair procedures associated with open and closed-center hydraulic systems, and troubleshooting hydraulic systems through circuits. PREREQ: Core Block or PERM/INST.

**AE 175 HYDRAULIC ASSIST TRANSMISSIONS AND HYDROSTATIC DRIVES (2-4-2F,S)** This course covers the theory and repair procedures for overhaul of hydraulic assist transmissions and hydrostatic drive systems. PREREQ: Core Block or PERM/INST.

**Auto Body—Eleven Month Program**

Certificate of Completion

Instructor: Charles Parke

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, braze, mildsteel, wirefeed), painting (lacquer, acrylic enamel, urethanes, blending, matching), metal working (repair, replace, shrinking), frame alignment and repair, repair of new cars (Unicycle Repair, Unicycle Bench Systems). A Certificate of Completion is issued upon satisfactory completion of all skills in the eleven month program.

**SUBJECTS**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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</thead>
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<tr>
<td>Auto Body Lab AB 101, 102, 103</td>
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<td>Auto Body Theory AB 151, 152</td>
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<td>Auto Body Theory AB 161, 162</td>
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<td>3</td>
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<tr>
<td>Auto Body Theory AB 171</td>
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<td></td>
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<tr>
<td>Occupational Relationships AB 180</td>
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<td></td>
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<tr>
<td>Auto Body Theory AB 181</td>
<td>2</td>
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<tr>
<td>Intro Microcomputers AB 182</td>
<td>1</td>
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<tr>
<td>Auto Body Theory AB 191</td>
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</tr>
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</table>
| **TOTAL** | **16** | **14** | **7**

**Automated Industrial Technician Program**

Associate of Applied Science

This double-major option combines the Industrial Mechanics/Automation and Welding/Metals Fabrication curriculums. The required general education coursework for the AAS Degree are CM 111 Fundamentals of Speech Communication (3 credits) and 6 credits from EC 205, 206, GB 101, P 101, 151, or SO 101.

**SUBJECTS**

<table>
<thead>
<tr>
<th>1st</th>
<th>2nd</th>
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</thead>
<tbody>
<tr>
<td>1st Semester</td>
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<tr>
<td>Maintenance Welding Technology IM 101</td>
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<tr>
<td>Maintenance Machine Fundamentals IM 102</td>
<td>3</td>
</tr>
<tr>
<td>Electro-Mechanical Systems IM 114</td>
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<tr>
<td>Electro-Mechanical Systems IM 115</td>
<td>3</td>
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<tr>
<td>Basic Fluid Power Operations-Hydraulics IM 124</td>
<td>3</td>
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<tr>
<td>Basic Fluid Power Operations-Pneumatics IM 125</td>
<td>3</td>
</tr>
<tr>
<td>Industrial Mechanical Laboratory IM 134</td>
<td>3</td>
</tr>
<tr>
<td>Industrial Mechanical Laboratory IM 135</td>
<td>3</td>
</tr>
<tr>
<td>Industrial Technology Communications IM 162</td>
<td>2</td>
</tr>
<tr>
<td>Occupational Relationships IM 262</td>
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</tbody>
</table>

See Industrial Mechanics/Automation for detailed course descriptions.
The program is designed to provide students with classroom and laboratory features including the function, servicing, diagnosis, troubleshooting and teaches the fundamentals of automatic transmissions and transaxle design. AM 205 AUTOMATIC TRANSMISSION/TRANSAXLE (4-6-4)(S,SU). This course will teach the use of advanced diagnostic equipment to troubleshoot and repair automobile performance, with emphasis placed on electrically related problems. PREREQ: Core Block or PERM/INST.

AM 230 ADVANCED ENGINE PERFORMANCE (2-6-2)(S,SU). This student will be taught the use of advanced diagnostic equipment to troubleshoot and repair automobile performance, with emphasis placed on electrically related problems. PREREQ: Core Block or PERM/INST.

AM 240 AUTOMOTIVE ELECTRICAL SYSTEMS (4-12-5)(F,SU). This course covers identification and use of basic automotive electronic test equipment, basic automotive electronic theory, testing, troubleshooting and rebuild of starter motors, charging systems, and electronic ignition systems. The theory and testing of computer command control systems will also be covered. PREREQ: Core Block or PERM/INST.

AM 245 ENGINE REPAIR (4-9-4)(S,SU). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation, and proper assembly. PREREQ: Core Block or PERM/INST.

AM 250 MANUAL TRANSMISSION AND DIFFERENTIAL REPAIR (4-9-4)(S,SU). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation and proper assembly. PREREQ: Core Block or PERM/INST.

AM 255 AUTOMOTIVE HEATING AND AIR CONDITIONING (2-6-2)(S,SU). This course introduces students to the principles and design of the heating and air conditioning system used in today's automobiles, and teaches the student troubleshooting and repair techniques. PREREQ: Core Block or PERM/INST.

See Welding & Metal Fabrication for detailed course descriptions.

Auto Mechanics—Eleven Month Program
Certificate of Completion
Instructors: Lee Hall, Charles Michaels

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, shop machine tools and shop safety are emphasized. Students will be offered entry into the Auto Mechanics program five times a school year during the fall, spring and summer semesters, depending on available seating.

A minimum grade of 'C' is required in all course work to graduate with a Certificate of Completion.

SUBJECTS Fall Spring Summer
Core Block Mechanics CB ............. 8
First Eight Week Block
Automotive Brakes AM 220 ............. 3
Two & Four Wheel Alignment AM 200 .... 2
Suspension & Steering AM 215 .......... 2
TOTAL ........................ 7
Second Eight Week Block
Auto Electrical Systems AM 240 ......... 5
Emission Systems AM 225 ............. 1
Engine Repair AM 245 ................. 4
TOTAL ................................ 10
Third Eight Week Block
Engine Performance AM 210 ............. 4
Manual Trans. & Differ. AM 250 ........ 4
TOTAL ................................ 8
Fourth Eight Week Block
Automatic Trans/Transaxle AM 205 ....... 4
Automotive Heating & Air Cond. AM 255 .... 2
Advanced Engine Performance AM 230 .... 2
TOTAL ................................ 8

Summer Session
Selected course work from Fall or Spring Offerings with PERM/INST.

Course Offerings
See page 20 for definition of course numbering system

AM AUTO MECHANICS

AM 200 TWO AND FOUR WHEEL ALIGNMENT (2-4-2)(F,SU). This course introduces the student to the theory and practice of two and four wheel alignment, wear identification, and front end rebuilding. PREREQ: Core Block or PERM/INST.

AM 205 AUTOMATIC TRANSMISSION/TRANSAXLE (4-6-4)(S,SU). This course teaches the fundamentals of automatic transmissions and transaxle design features including the function, servicing, troubleshooting and proper removal, adjustment, installation, and testing procedures. PREREQ: Core Block or PERM/INST.

AM 210 ENGINE PERFORMANCE (2-12-5)(F,SU). The student will be introduced to the design and repair of conventional and electronic ignition systems, fuel delivery systems, carburetor, fuel injection, computer controlled ignition, and fuel systems. The use of scopes and testing equipment will be emphasized. PREREQ: Core Block or PERM/INST.

AM 215 SUSPENSION AND STEERING CONTROLS (2-4-3)(F,SU). Theory and operation of suspension and steering systems, including linkage, rack and pinion and power steering, leaf and coil springs, struts and control arms. PREREQ: Core Block or PERM/INST.

AM 220 AUTOMOTIVE BRAKE SYSTEMS (2-16-3)(F,SU). Theory and practice of automotive brake systems inspection, maintenance and repair will be covered including shoe and pad replacement, drum and rotor machining and rebuilding of wheel, caliper and master cylinder, and power brake units. PREREQ: Core Block or PERM/INST.

AM 225 EMISSION SYSTEMS (1-3-1)(F,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. PREREQ: Core Block or PERM/INST.

AM 230 ADVANCED ENGINE PERFORMANCE (2-6-2)(S,SU). The student will be taught the use of advanced diagnostic equipment to troubleshoot and repair automobile performance, with emphasis placed on electrically related problems. PREREQ: Core Block or PERM/INST.

AM 240 AUTOMOTIVE ELECTRICAL SYSTEMS (4-12-5)(F,SU). This course covers identification and use of basic automotive electronic test equipment, basic automotive electronic theory, testing, troubleshooting and rebuilding of starter motors, charging systems, and electronic ignition systems. The theory and testing of computer command control systems will also be covered. PREREQ: Core Block or PERM/INST.

AM 245 ENGINE REPAIR (4-9-4)(S,SU). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation, and proper assembly. PREREQ: Core Block or PERM/INST.

AM 250 MANUAL TRANSMISSION AND DIFFERENTIAL REPAIR (4-9-4)(S,SU). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation and proper assembly. PREREQ: Core Block or PERM/INST.

AM 255 AUTOMOTIVE HEATING AND AIR CONDITIONING (2-6-2)(S,SU). This course introduces students to the principles and design of the heating and air conditioning system used in today's automobiles, and teaches the student troubleshooting and repair techniques. PREREQ: Core Block or PERM/INST.

See Welding & Metal Fabrication for detailed course descriptions.

Business & Office Education—Nine Month or Two Year Program
Certificate of Completion
Instructors: Karen Bounds, Doris Butler, Janet Carlton, Barbara Egland, Susan Madariaga, Wanda Metzgar, Theresa Ten Eyck, Marge Williamson

The Business and Office Education Program is designed to meet the needs of students in both private industry and government. Upon enrollment in the program, the student will have an opportunity to pursue a one-year Certificate of Completion in Business and Office Education, or a two-year Associate of Applied Science degree in Business and Office Education in one of the following: Word Processing or Bookkeeping.

The one-year (Nine Month) Certificate of Completion is available both on campus and at the Canyon County facility. The AAS degree is available only on the Boise State University campus.

Approved internship in an office and/or competency testing may be substituted for coursework with special permission of the program head and Dean of Business. This coursework will be monitored and evaluated on a weekly basis by appropriate faculty in consultation with the agency or business with whom the arrangement is contracted.

The Business and Office Education Program is competency based which specifies the student performance objectives and the necessary competencies required for employment at entry level.

A minimum grade of 'C' is required in all Business and Office coursework to graduate with a Certificate of Completion or Associate of Applied Science degree.

CORE FRESHMAN CLASSES Fall Spring
Business Math OF 105 .................. 3
Business English OF 109 ............. 4
Keyboarding I OF 126 ............... 2
Keyboarding II OF 127 ............. 2
Intro to Microcomputers OF 161 .......... 2
Intro to Information Processing OF 162 ........... 2
Basic Office Procedures OF 107 ......... 2
General Correspondence Typing OF 131 ......... 2
Forms & Manuscript Typing OF 132 .......... 2
Proofreading & Spelling OF 119 ........... 3
Business Writing OF 159 ............. 3
Word Processing OF 203 .............. 2
Machine Transcription OF 158 ......... 2
Record Keeping OF 155 ............. 3
Job Seeking Skills/Career Planning OF 153 ........ 2

TOTAL .......................... 17 19
This area of specialization is designed for the student to obtain a basic knowledge of the business world and to develop the necessary skills to perform competently the duties required of an entry-level bookkeeper.

Upon successful completion of this area of specialization, the learner will not only possess the necessary skills and knowledge to enter the bookkeeping field, but will also have developed basic skills in computerized bookkeeping, word processing, data base management, spreadsheets, proofreading and spelling, and Business English.

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Bookkeeping I OF 108</td>
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<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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<tr>
<td>Applied Business Communications OF 252</td>
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<tr>
<td>Legal Environment of Business GB 202</td>
<td>3</td>
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<tr>
<td>Technical Support Courses</td>
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<td>Bookkeeping II OF 152</td>
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<td>Computerized Bookkeeping I OF 225</td>
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<td>**Electives</td>
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**Associate of Applied Science Degree**

**Business and Office Education (Bookkeeping)**

This area of specialization is designed for the student to obtain a basic knowledge of the business world and to develop the necessary skills to perform competently the duties required of an entry-level bookkeeping operator.

Upon successful completion of this specialization, the learner will not only possess the necessary skills and knowledge to enter the word processing field, but will also have developed basic skills in proofreading and spelling, English usage, word processing, machine transcription, record keeping, spreadsheets, data base management, and information processing.

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>Applied Business Communications OF 252</td>
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<tr>
<td>Production Typing OF 141</td>
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<td>Fundamentals of Supervision OF 256</td>
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<td>Model Office Simulation OF 257</td>
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<td>Records Management Procedures OF 251</td>
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<td>TOTAL</td>
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</table>

**Approved Technical Support Courses for the Associate of Applied Science Degree**

| Machine Transcription II OF 169 | 2 |
| Bus & Off Educ Internship OF 293 | 2 |
| Word Processing II OF 255 | 2 |
| Word Processing III OF 262 | 2 |
| Model Office Simulation OF 257 | 2 |

**Approve Electives for the Associate of Applied Science Degree**

| Fund of Speech Communication CM 111 | 3 |
| Listening CM 131 | 3 |
| Interpersonal Communications CM 221 | 3 |
| Assertiveness Training P 161 | 3 |
| General Psychology P 101 | 3 |
| Intro to Business GB 101 | 3 |

### Course Offerings

See page 20 for definition of course numbering system

**OF OFFICE OCCUPATIONS**

**OF 105 BUSINESS MATH (3-2-3/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 107 BASIC OFFICE PROCEDURES (2-4-2/F/S).** This course provides training in filing, telephone techniques, mailing procedures, making appointments, arranging conferences, preparing itineraries, receiving and routing callers, practicing in typing various office forms. PREREQ: Demonstrated proficiency in typing.

**OF 108 BOOKKEEPING I (3-2-3/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. PREREQ: OF 105.

**OF 109 BUSINESS ENGLISH (4-1-4/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/prereq.

**OF 119 PROOFREADING AND SPELLING (3-2-3/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 126 KEYBOARDING I (2-4-2/F/S).** Beginning class introducing the alphabetic and numeric keyboard and basic typing skills. Eight-week course.

**OF 127 KEYBOARDING II (2-4-2/F/S).** Emphasis on formatting business correspondence, tables and manuscripts. A speed of 35 wpm should be attained upon completion of this course. Eight-week course.

**OF 131 GENERAL CORRESPONDENCE TYPING (2-4-2/F/S).** Experience in typing a variety of business letter styles with special features, memorandums, and administrative communications. Proofreading skills are stressed. PREREQ: OF 127 or acceptable performance on entrance test and keyboarding speed of at least 35 wpm. Eight-week course.

**OF 132 FORMS AND MANUSCRIPT TYPING (2-4-2/F/S).** Experience in typing a variety of business forms, columnar text, and manuscripts. Proofreading skills are stressed. PREREQ: OF 127 or acceptable performance on entrance test and keyboarding speed of at least 35 wpm. Eight-week course.

**OF 141 PRODUCTION TYPING (2-4-2/F/S).** Development of production competence using automated office systems to prepare general office documents. Emphasis on high-quality work and development of ability to make decisions without direct supervision. PREREQ: OF 131, 132 or acceptable performance on entrance test and keyboarding speed of at least 45 wpm. Eight-week course.

**OF 142 TECHNICAL TYPING (2-4-2/F/S).** Development of technical competence using automated office systems to prepare technical, medical, legal and governmental documents. Emphasis on high-quality work and development of ability to make decisions without direct supervision. PREREQ: OF 131, 132 or acceptable performance on entrance test and keyboarding speed of at least 45 wpm. Eight-week course.

**OF 152 BOOKKEEPING II (3-2-3/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 PLANNING (2-4-2/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. Eight-week course.

**OF 155 RECORD KEEPING (3-2-3/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. PREREQ: OF 105.

**OF 158 MACHINE TRANSCRIPTION I (2-4-2/F/S).** Trains students to transcribe general office correspondence from recorded media using automated office systems. Emphasis on the development of correct techniques. PREREQ: OF 109 and a typing speed of 35 wpm. Eight-week course.

**OF 159 BUSINESS WRITING (3-2-3/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 161 INTRO TO MICROCOMPUTERS (2-4-2/F/S).** An introduction to the fundamentals of microcomputers and specialized microcomputer business applications such as spreadsheets and graphics. Eight-week course.
Business Systems and Computer Repair—Two Year Program

Associate of Applied Science Degree

Instructors: Dan Cadwell, Paul Janson, Don Jones

The program in Business Systems and Computer Repair has been developed to give the student basic knowledge to perform as an entry level technician. The student will be qualified to make electronic and mechanical adjustments as they relate to computers, computer peripheral, xerography and other electro-mechanical devices.

FRESHMAN YEAR

First Eight Week Block
- Business Systems Mechanical Principles BC 155
- Xerography and Photocopyer Theory BC 156

Second Eight Week Block
- Communication Skills BC 111
- Basic Electronic Theory BC 157
- Basic Electronic Lab BC 158

Third Eight Week Block
- Customer Relations BC 113
- Electronics Lab BC 103
- Semiconductor Electronics Theory BC 159

Fourth Eight Week Block
- Electronics Lab BC 104
- Digital Electronics Theory BC 171

SOPHOMORE YEAR

Fifth Eight Week Block
- Intro Computer Technology BC 255
- Computer Tech Lab I BC 256

Sixth Eight Week Block
- Computer Repair BC 257
- Computer Tech Lab II BC 258

Seventh Eight Week Block
- Computer Peripheral Repair BC 260
- Business Equipment Repair I BC 261
- Business Tech Lab III BC 262

*General Education Communication Skills Elective

Eighth Eight Week Block
- Business Equipment Repair II BC 263
- Business Equipment Lab IV BC 264
- Business Systems Sales Techniques BC 265

**General Educ Elect in Econ or Indus/Hum Relations

**Chosen from: CM 111, 221; E 101, 102, 202; or MM 209.

Course Offerings

See page 20 for definition of course numbering system

BC BUSINESS SYSTEMS AND COMPUTER REPAIR

BC 103 ELECTRONICS LAB (0-16-2)(F/S). Experiments and troubleshooting exercises in semiconductor electronic circuits and systems.


BC 111 COMMUNICATION SKILLS (6-0-3)(F/S). Develops abilities which enable students to use language effectively as a tool for the Office Systems Technician: i.e., effective writing and verbal communication for sales, technical repair, job applications and resumes.

BC 113 CUSTOMER RELATIONS (6-0-3)(F/S). Directed toward developing skills necessary to effectively deal with customers in the business equipment repair field.

BC 155 BUSINESS SYSTEM MECHANICAL PRINCIPLES (6-10-5)(F/S). This is a hands-on theory/lab course in which the student is taught troubleshooting methods on mechanical systems. The student is introduced to the tools, test equipment and mechanical devices used in conjunction with electronic devices.

BC 156 XEROGRAPHY AND PHOTOCOPIER THEORY (4-8-3)(F/S). Prepares students for entry level employment in the photocopying repair field. Students will develop skills through theory and lab classes directed at troubleshooting and preventive maintenance techniques.

BC 157 BASIC ELECTRONIC THEORY (6-0-4)(F/S). Students gain experience through theory and hands-on experiments which assist student understanding of DC circuits, OHMS law, magnetism and properties of electronic components.

BC 158 BASIC ELECTRONIC LAB I (0-20-2)(F/S). Students gain experience through hands-on experiments which assist student understanding of DC circuits, OHMS law, magnetism and properties of electronic components.


BC 255 INTRODUCTION TO COMPUTER TECHNOLOGY (10-0-5)(F/S). Directed toward developing skills toward computer repair. Training in the areas of computer operating systems and software with emphasis on ability to analyze problems in systems and software.
Graduates will be trained to teach in or operate a preschool program, child development centers and recreation programs for young children.

The Child Care Assistant program is a prerequisite to the supervisor and computer peripheral.

Business Equipment Repair II (10-0-5S). This course deals with the maintenance, repair and troubleshooting of electronic cash registers, and electronic calculators.

Business Technology Lab IV (0-20-2S). A hands-on lab where the principals taught in BC 263 can be studied and analyzed as they apply to a computer and its peripheral.

Business Systems Sales Techniques (2-4-1S). This course deals with sales techniques of maintenance contracts, and office equipment.

Child Care and Development

Day Care Assistant—Nine Month Program
Certificate of Completion

Instructors: Peg Courley, Bonnie Noonan

This program is planned for people interested in working with children as an assistant in day care centers, nurseries, private kindergartens, child development centers and recreation programs for young children.

Day Care Supervisor—Two Year Program
Associate of Applied Science Degree

Graduates will be trained to teach in or operate a preschool program which provides for physical care, emotional support and social development of children in groups.

This two-year course will provide students with the opportunity to direct children's play and learning, provide meals, supervise staff, and manage resources in nursery school settings and day care centers. Completion of the Child Care Assistant program is a prerequisite to the supervisor level program.

Day Care Assistant

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<thead>
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<th>1st SEM</th>
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<tr>
<td>Introduction to Child Development CC 101</td>
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<tr>
<td>Introduction to Child Development CC 151</td>
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<td>Health and Care of the Young Child CC 141</td>
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<td>Curriculum of the Young Child CC 171-172</td>
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<td>Child Care Laboratory CC 181-182</td>
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<td>Contract Fld Exp in Early Chl Prg CC 125-126</td>
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<td>Plan and Eval of Laboratory Exp CC 135-136</td>
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<td>Infant/Child CPR &amp; First Aid CC 185</td>
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Day Care Teacher/Supervisor

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<tr>
<td>Intro to Kindergarten Curriculum CC 256</td>
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<tr>
<td>Infant Care CC 257</td>
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<td>Child Care Center Management CC 232</td>
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<td>Fam &amp; Commun Involv with Child CC 252</td>
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<td>Child Care Center Supervision CC 201-202</td>
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<td>Contr Prac in Early Child Supv CC 225-226</td>
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<tr>
<td>Nutrition for Young Children CC 241</td>
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**Approved Elective 3
TOTAL 17

Course Offerings

See page 20 for definition of course numbering system

CC CHILD CARE

CC 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-0-3)(F/S). 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 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD PROGRAM. Individual contract arrangement involving student, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

CC 135-136 PLANNING AND EVALUATION OF LABORATORY EXPERIENCE (2-4-2)(F/S). 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)(F). Safety practices, basic nutrition, sanitation, safe environment, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Also includes maintenance of teachers health.

CC 171-172 CURRICULUM OF THE YOUNG CHILD (3-0-3)(F/S). Curricula media suitable for preschool children. Includes theories of teaching curriculum subjects; the need for a curriculum in a nursery school; and specific information, materials and the opportunity to use them in the following areas: art, story telling, music, environmental science, beginning number and letter recognition.

CC 181-182 CHILD CARE LABORATORY (0-12-3)(F/S). Observation and participation in the laboratory preschool. Student will serve as aide and assistant teacher, working directly with the children; attend staff meetings, plan and carry out a variety of daily activities and become acquainted with curriculum, classroom arrangements, schedules, child guidance, work responsibilities.

CC 185 INFANT/CHILD CPR AND FIRST AID (1-6-1)(F). Instruction in infant and child CPR and First Aid leading to certification of the student.

CC 201-202 CHILD CARE CENTER SUPERVISION (1-12-4)(F/S). 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 (4-8-2)(F/S). A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and skills in community child care settings. Individual contract arrangement involving student, instructor and cooperating agency to gain practical experiences in off-campus settings. PREREQ: CC 125-126.

CC 232 CHILD CARE CENTER MANAGEMENT (3-3-3S). 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 NUTRITION FOR YOUNG CHILDREN IN CHILDCARE CENTERS (3-0-3). Nutritional requirements of preschool children. Students plan, purchase, prepare and serve nutritious snacks and meals. Emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes.

CC 252 FAMILY AND COMMUNITY INVOLVEMENT WITH CHILDREN (3-0-3). History and dynamics of family interaction; review of cultural life styles. Emphasis will be placed on the need for establishing effective relationships with parents of children in child care centers and the community resources available to both parents and the center.

CC 255 ADVANCED CHILD CARE (3-0-3)(F). A review of the history of child care and present day child care facilities in the U.S. and locally. Also covered in class are classroom management, caring for exceptional children and qualifications of people caring for children in group situations. PREREQ: CC 101-151.

CC 256 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-2)(F). Kindergarten curriculum theory and practices are presented so that the student has a working knowledge of the kindergarten classroom.

CC 257 INFANT AND TODDLER CARE (2-0-2)(S). Total care of infants and toddlers in group day care homes and centers. Besides physical care emphasis is also placed on the emotional and social nurturing of infants and toddlers. PREREQ: CC 101-151.

CC 261 INTRO COMPUTER APPLICATIONS TO OCCUPATIONAL RELATIONS (2-0-2)(S). A study of dealing effectively with people, job seeking skills, written communications and hand-on use of computers to complete personal data packet.
**Curriculum Program**

Certification Completion—1 Year
Associate of Applied Science—2 Years

Instructors: Vernon Hickman, CWC, Julie Kulm, CWC, CCE, Manley Slough, CEC, Bonnie Sumter

The purpose of the Culinary Arts Program is to provide 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.

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.

Upon enrollment in the program, the student will have the opportunity to pursue a one-year Certificate of Completion, or a two-year Associate of Applied Science degree in Culinary Arts.

A minimum grade of 'C' is required in all course work to receive a Certificate of Completion or an Associate of Applied Science degree.

### Course Offerings

*See page 20 for definition of course numbering system*

#### 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 recipes. Basic cooking methods are stressed and practiced including: sauce-making, braising, 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 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 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 appetizers, soups, salads, and breakfast items. The techniques learned in this course will be expanded and practiced in subsequent courses.

**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 (2-0-2)(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 guardian service is explained.

**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 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. For total utilization of meat by-products, students prepare forcemeats, pates and sausage.

**CA 119 SUPERVISORY DEVELOPMENT (2-0-2)(F/S).** Basic principles of effective supervision, including human relations, motivation, communications, proper training procedures, interviewing, staffing, and disciplines are covered. Stewarding functions and responsibilities of personnel scheduling, cleaning and purchasing services are practiced.

**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 preparation 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 (2-2-5)(F/S).** This lab will be used for the following classes: CA 115, CA 116, CA 118, and CA 122.
CA 126 HOSPITALITY PURCHASING (2-0-2)(F/S). Management concepts and specific techniques in purchasing commodities essential to successful purchasing in hospitality operations.

CA 127 AMERICAN REGIONAL LA CARTE (1-4-2)(F/S). This course explores the history and preparation of American specialties. Items prepared in the kitchen will follow established American culinary cuisine preparation standards based on the region studies. Items served A La Carte on a daily basis.

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. Majors only.

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 different menus based on actual Chinese (Szechwan, Cantonese, Peking, Hunan), Japanese and Polynesian recipes.

CA 213 ADVANCED CARDE 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 (0-26-6)(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 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 224 KITCHEN LABORATORY PREPARATION (0-24-6)(F/S). This laboratory will be used for all Theory classes in fourth semester.

CA 226 ADVANCED CULINARY SKILLS (1-4-2)(F/S). Emphasis is given to fine-tuning basic competencies learned in previous courses. These competencies are used in 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 weekly rotation. Production of the highest quality product through proper techniques, presentation and service is stressed. PREREQ: CA 102.

CA 227 ADVANCED/CLASSICAL BAKING (1-4-2)(F/S). Techniques are practiced in the production puff pastry desserts, sponge cakes, specialty breads and pastries. Buffet centerpieces are made from pastillage, marzipan, and chocolate. A variety of kitchen desserts are implemented. PREREQ: CA 104.

CA 228 ADVANCED FOOD AND BEVERAGE COST CONTROLS (1-4-2)(F/S). Coursework emphasizes an understanding of the complexities of controlling the primary resources of hospitality operations—food, beverage, labor and sales income. Control systems developed are reviewed. PREREQ: CA 105.

CA 229 FOOD AND BEVERAGE OPERATIONAL PLANNING (2-0-2)(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 social groups. Legal requirements affecting operations. 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 230 CAKE DECORATING (1-0-1)(F/S). The basic theory in professional cake decorating, frosting and designing wedding, anniversary, birthday, bar mitzvah, and other celebration cakes are demonstrated. Decorative borders, flowers, figure piping and tube writing techniques are demonstrated. Students will become familiar with the extensive array of decorating tips.

CA 231 BANQUET & CATERING OPERATION (1-0-1)(F/S). The course is divided into five sections: overview, sales, functions, and menus, execution and options. Considerable attention is given to organizing, supervising, and servicing for expanding catering operations and increasing profit.

CA 232 CULINARY NUTRITION (2-0-2)(F/S). This course discusses a practical application of nutrition in the foodservice industry. Understanding food sources of nutrients, functions and methods to minimize loss of nutrients in food service operations is a primary objective.


Dental Assistant—Nine Month Program

Certificate of Completion
Instructors: Terrie Beckman, Dr. Richard Gunnell, Bonnie Imbs

The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State University works with the Dental Advisory Board in planning and promoting the program and curriculum. Changes may be made at any time to take advantage of advances in the Dental profession. Entrance requirements:
High School Diploma or Equivalency Certificate, personal interview and aptitude testing. Typing is a prerequisite. The dental assistant courses are taught by dental assistant instructors, dentists, 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.

Course Offerings

See page 20 for definition of course numbering system

DA DENTAL ASSISTING

DA 101-102 DENTAL LABORATORY (2-10-4)(F), (1-5-2)(S). Provides practical laboratory experience in handling dental materials and instruments.

DA 104 DENTAL RADIOLOGY (3-5-4)(F). Provides dental assisting students the opportunity to become skilled in dental x-ray procedures with a heavy emphasis on presentation.

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 (0-6-0)(F), (6-0-6)(S). Lectures cover the basic dental sciences and dental specialties.

DA 180 INTRODUCTION OF COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (1-0-1)(S). A study of job seeking skills, communications and hands on use of computer technology to complete a personal data portfolio.

DA 181 PROFESSIONAL AND LEGAL CONCEPTS (1-0-1)(S). To enable a student to become skilled in dealing effectively with people and practice the ethics and legal responsibilities of dental practice.

Electrical Lineworker—Nine Month Program

Certificate of Completion
Instructor: Gerald McElle

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, line truck, trencher/backhoe, and related equipment components, provides the student with "hands-on" experience permitting further and more concentrated advancement in these skilled areas.

The program is designed to produce a highly skilled, well-informed entry level lineman 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>Design/Construction EL 161-162</td>
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**Course Offerings**

See page 20 for definition of course numbering system.

**EL ELECTRICAL LINEWORKER**

**EL 101-102 ELECTRICAL LINEWORKER LABORATORY (0-20-5)(FS).** The field operation provides actual "job type" experience for the student. Course content includes live climbing experiences using ropes and rigging, pole setting and removal with suitable guys and anchors including installation of transformers, construction and maintenance of underground distribution networks, troubleshooting all systems including hot stick care and use, plus preventative maintenance on associated systems or equipment.

**EL 151-152 ELECTRICAL LINEWORKER BASICS (5-0-5)(FS).** This course provides the student with the basics of electrical theory, power generation, materials identification and application, overcurrent and protective devices, related equipment application, and personal/occupational safety.

**EL 161-162 ELECTRICAL LINEWORKER SYSTEMS DESIGN/CONSTRUCTION (5-8-5)(FS).** This course emphasizes electrical power systems, power systems designing and construction techniques, transformer theory, design of transformers and their construction and transmission networks.

**EL 262 OCCUPATIONAL RELATIONS (2-0-2)(S).** Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**Fire Service Technology**

Associate of Applied Science

The Fire Service Technology program is designed to upgrade the fire fighting skills and knowledge of volunteer and paid fire fighters. In some instances a volunteer fire fighter may use this degree as a means to obtain the fire service as a paid professional. The program covers all phases of fire fighting. The intent is to provide fire fighters with the skills needed to save lives and protect property in a safe and efficient manner. Special fees apply to this program.

**SUBJECTS**

| Orientation FR 101 | 2 |
| Safety FR 102 | 1 |
| First Aid FR 103 | 2 |
| Fundamentals of Fire Service FR 104 | 4 |
| Water Supply FR 105 | 2 |
| Fire Stream, Hydraulics FR 106 | 2 |
| Ropes, Knots, and Rescue FR 107 | 1 |
| Forcible Entry FR 108 | 1 |
| Breathing Apparatus FR 109 | 2 |
| Hose Techniques FR 110 | 2 |
| Ladder Techniques FR 111 | 1 |
| Building Construction FR 112 | 2 |
| Ventilation FR 113 | 1 |
| Salvage and Overhaul FR 114 | 1 |
| Skills Maintenance FR 115 | 2 |
| Ground Cover FR 116 | 1 |
| Fire Apparatus FR 117 | 1 |
| Applied Communication FR 121 | 3 |
| Applied Communication FR 122 | 3 |
| Human Relations FR 131 | 3 |
| Industrial Relations FR 132 | 3 |
| Fire Cause Determination FR 201 | 1 |
| Fire Ground Management FR 202 | 1 |
| Portable Fire and installed detection alarm and extinguishing systems/agents FR 203 | 2 |
| Hazardous materials Incident Analysis FR 204 | 2 |
| Fire Risk Analysis FR 205 | 2 |
| Fire Service and the Law FR 206 | 2 |
| High Rise FR 207 | 1 |
| Aircraft Fire Protection FR 208 | 1 |
| Cooperative Voc Ed (on-the-job training) FR 210 | 10 |

*Approved Electives 9

TOTAL 73

*Students must complete 270 instructional hours of approved coursework (in addition to those prescribed in the certification program) which may include any National Fire Academy resident or field programs described in the current Fire Science Training Program Catalog and/or any combination of state or federally sponsored fire classes, courses or schools—except those already used for credit toward completion of previous courses in the certification program. Students may use courses that they have attended prior to or any time during enrollment in the certification program. Copies of all course certificates must be on file at the fire department.

**Course Offerings**

See page 20 for definition of course numbering system.

FR FIRE SERVICE TECHNOLOGY

**FR 101 ORIENTATION FIRE SERVICE TRAINING (2-0-2).** The purpose, objectives, and scope of Idaho's Certification program is covered in this course: organization charts; primary functions of state and national fire service organizations; local department public relations programs; and the cleaning, maintenance, costs and storage of firefighting equipment. The protection of the fire fighters protective clothing and other equipment is a part of the instruction received in this course. In addition, issues involving the fire service on a national level are covered. PREREQ: PERM/INST.

**FR 102 SAFETY (1-0-1).** This course covers important aspects of safety on the fire ground and around the station. It is designed to provide the student with a working knowledge of the following: accident control concepts, safety programs, safe use of facilities, personal protective equipment, safety in training, en route hazards, the emergency scene, special hazards, and instruction safety. PREREQ: PERM/INST.

**FR 103 FIRST AID (1-4-2).** The fire fighter student in this course will receive instruction leading to certification in General First Aid and CPR. Instruction will also be given in the "Heimlich" maneuver, triage, identifying and treating burns, controlling bleeding, applying dressing and bandages, and identifying and treating poisoning. PREREQ: PERM/INST.

**FR 104 FUNDAMENTALS OF FIRE SERVICE SCIENCE (3-4-4).** This course is designed to provide the student with basic knowledge of applied mathematics technically related to the field of fire science. In addition, other basic science principles are covered to include: Principles of fire protection chemistry; characteristics of fire; mechanics of liquids; mechanics of gases; motion and force, work and machines; combustion and heat; magnetism and magnetism; electricity; and atomic energy and radiation. PREREQ: PERM/INST.

**FR 105 WATER SUPPLY (1-4-2).** In this course, the student will learn to identify properties of water, parts of a water distribution system, types of hydrants, different types of pressure, and types of water mains. Instruction will also be given in inspecting a fire hydrant, reading and recording flow pressures and determining quantity of water from the opening. PREREQ: PERM/INST.

**FR 106 FIRE STREAM, HYDRAULICS (1-4-2).** This course will cover different types of fire streams, the characteristics of good fire streams and the proper fire streams to be used in different types of fires. It will also provide instruction in the operation of common foam-making devices, and the use of different foams. Identification of nozzles and tips according to type, design, nozzle pressure, and flow in GPM for proper operation of each is part of this course of instruction. PREREQ: PERM/INST.

**FR 107 ROPES, KNOTS, AND RESCUE (0-4-1).** This course is designed to instruct the student in the use of ropes in a wide variety of applications, in the use of backpacks and stretchers, victim lifts, carries and drags, and in methods for searching for victims in buildings. PREREQ: PERM/INST.

**FR 108 FORCIBLE ENTRY (0-4-1).** This course provides the necessary knowledge and practical skills applications needed to perform the following forcible entry operations: forcing doors, opening locked windows, opening walls and ceilings, opening roofs, and opening floors. PREREQ: PERM/INST.

**FR 109 BREATHING APPARATUS (1-8-3).** This course is designed to instruct the fire fighter student in the operational functions of self-contained protective breathing apparatus and the maintenance and putting in operation of common self-contained protective breathing apparatus. PREREQ: PERM/INST.

Many exercises in this course emphasize practical use of the equipment in a variety of simulated fire ground situations. PREREQ: PERM/INST.

**FR 110 HOSE TECHNIQUES (0-8-2).** All types, sizes, and uses of hoses are covered. In this course including the use of nozzles—their attachment to hoses and the advancement, charged and dry lines. Inspection, maintenance, cleaning, rolling, and carrying of hose are other topics of instruction within the course. PREREQ: PERM/INST.

**FR 111 LADDER TECHNIQUES (0-4-1).** All types of ladders used in the fire service are covered. The student will be instructed in the proper techniques in the use of ladders. PREREQ: PERM/INST.
ladder carries, materials used in ladder construction, ladder-inspection, care maintenance, and testing are also topics of instruction in this course. PREREQ: PERM/INST.

FR 112 BUILDING CONSTRUCTION (1-4-2). This course is designed to provide the student with a thorough background in building construction principles as they relate to fire fighting. Included are general construction principles, wood and ordinary construction, mill construction, concrete, and steel construction. Concepts of "fire proof" and fire resistance are also covered. PREREQ: PERM/INST.

FR 113 VENTILATION (0-4-1). This course is designed to instruct the student in the use of hand and power tools as they apply to ventilation and forcible entry, and will instruct the student in breaking and clearing windows, forcing windows, breaking walls, proper ventilation methods, and prevention of backdraft and safety precautions to be taken during ventilation. PREREQ: PERM/INST.

FR 114 SALVAGE AND OVERHAUL (0-4-1). This course will demonstrate the construction and use of a water chute and a water catchall, explain different methods of routing water and removing debris from a structure, demonstrate proper methods for folding and spreading salvage covers, explain main reasons for salvage and overhaul operations and precautions to be taken during them towards the prevention of evidence destruction. PREREQ: PERM/INST.

FR 115 SKILLS MAINTENANCE (0-0-2). This course is designed to assist students in maintaining proficiency in practical skills that were learned during course work in the certification levels. A selected number of practical skills are reviewed during this activity. PREREQ: PERM/INST.

FR 116 GROUND COVER (0-4-1). This course is designed to provide the student with knowledge of the following as they relate to ground cover fire fighting, apparatus and equipment, ground cover fire behavior, fire ground management, fire suppression methods, water supply and use, and personnel safety. PREREQ: PERM/INST.

FR 117 FIRE APPARATUS (0-4-1). This course is designed to provide the student with knowledge of the following as they relate to fire apparatus practices: types of fire apparatus, the driver and the apparatus, driving exercises, positioning and spotting apparatus, operating fire department pumpers, operating aerial ladder apparatus, operating elevating platform apparatus, maintenance schedules, and testing apparatus. PREREQ: PERM/INST.

FR 121 APPLIED COMMUNICATIONS (3-0-3). This course is taught in conjunction with the orientation and fire cause determination courses. The student demonstrates the ability to organize ideas, interpret facts, assimilate thoughts and ideas and effectively communicate this knowledge in proper written form by conducting in depth to essay questions regarding such topics as: Success, Fire Service Leadership; Focusing on Fire Education and Professional Development in the Fire Service. PREREQ: PERM/INST.

FR 122 TECHNICAL WRITING/COMMUNICATIONS (3-0-3). This course is taught in conjunction with Fire Risk Analysis, fire ground management and hazardous materials. The student learns proper writing techniques for preparing pre-fire plans and reports for a wide variety of structures and occupancies as part of fire risk analysis. PREREQ: PERM/INST.

FR 131 HUMAN RELATIONS/SUPERVISION (3-0-3). In this course the student learns about human relations as they apply to: strike team interactions; Incident Command System Organization and unit of operation relationships; management span-of-control; organization functions and structure; and principles of command. PREREQ: PERM/INST.

FR 132 INDUSTRIAL RELATIONS (3-0-3). In this course the student learns the importance and effective techniques of public relations and education in the field of fire prevention. Discussed in depth are: fire prevention public relations programs; promotional activities, industrial or functional activities; public relations while making an inspection; and the fire inspector promoting a positive image through impressions. PREREQ: PERM/INST.

FR 201 FIRE CAUSE DETERMINATION (1-0-1). This course is designed to prepare the student with the knowledge and skills needed in order to correctly determine fire causes, including: the fire department's responsibility, the fire company's role, fire setters, preserving and documenting evidence for the investigator and courtroom testimony. PREREQ: PERM/INST.

FR 202 FIRE GROUND MANAGEMENT (1-0-1). The assuming of command of operation in a fire situation is the main subject of this course, dealing with the specific performances of sizing up, positioning of vehicle equipment and personnel, determining point of attack, type of lay or lays required, type and size of hose and nozzles to be used, and the supervision of personnel in accomplishing forcible entry, rescue and other fire suppression activities. PREREQ: PERM/INST.

FR 203 PORTABLE FIRE AND INSTALLED DETECTION AND EXTINGUISHING SYSTEMS/AGENTS (1-4-2). This course will cover the principles of wet and dry sprinkler systems, control valve operation, pressure gauges, types of sprinkler systems, types of standpipe systems, and the purpose and operation of accelerators and exhausters on drypipe systems. It will also contain instruction in the operation and extinguishment principle for carbon dioxide, halogenated agent, dry-chemical, and foam extinguishing systems. Water flow alarms, alarm test valves, infrared flame, detection devices, smoke detectors, and the servicing, recharging, testing, and maintenance of extinguishers are also topics of instruction within this course. PREREQ: PERM/INST.

FR 204 HAZARDOUS MATERIALS INCIDENT ANALYSIS (2-0-2). This course is designed to give the fire fighter student information on target hazards, configuration, local disaster plans and the process of locating and notifying agencies on the disaster preparedness directory. The fire department's participation in the following disasters will also be covered: train derailment, building collapse, hazardous material accident, aircraft accident, earthquake, fuel spill, forests fires, flood and riots. PREREQ: PERM/INST.

FR 205 FIRE RISK ANALYSIS (2-0-2). This course is designed to provide the student with the skills necessary to do a systematic risk analysis of a community and examination of problem solving methods. It examines fire protection as a total system and provides methods to identify and estimate a community's risk level and level of protection. PREREQ: PERM/INST.

FR 206 FIRE SERVICE AND THE LAW (2-0-2). This course will cover the application of statutory, common and constitutional law of the fire fighter, organization of the local governing body, responsibilities and liabilities on the part of the fire fighter, the department and municipalities. It will also explain the fire fighter's right to compensation, rules governing the employment and termination of the fire fighter, a fire fighter's right to make arrests, etc. PREREQ: PERM/INST.

FR 207 HIGH RISE (1-0-1). This course is designed to provide the student with knowledge of the following as they relate to high rise fire fighting: improve problems in high rise buildings; heat, smoke and fire gases; life hazards; exposure problem; water supplies; access problems; logistics problems; coordination problems; salvage and overhaul; loss of electrical power; smoke proof stairways and special problems. PREREQ: PERM/INST.

FR 208 INDUSTRIAL FIRE PROTECTION (1-0-1). This course is designed to provide the student with knowledge of the following as they relate to industrial fire protection: the need for plant fire protection, emergency planning, cooperation and coordination with outside agencies, plant fire prevention, plant fire brigades, managing fire brigade training programs, fire brigade training, fire protection system, and inspection and testing fire protection systems. PREREQ: PERM/INST.

FR 209 AIRCRAFT FIRE PROTECTION (1-0-1). This course will cover fire service equipment applicable to aircraft fires, methods of water application, chemical application, and size of fire hose nozzle patterns for use on aircraft fire. Other topics of instruction in this course include the methods of extinguishing and the hazards of magnesium and titanium fires, hazards presented by aircraft engine intake and exhaust systems; aircraft escape systems, and emergency incidents involving nuclear weapons or materials. PREREQ: PERM/INST.

FR 210 COOPERATIVE VOCATIONAL EDUCATION (on-the-job training)(0-40-10). A maximum of 10 credits will be awarded for supervised on-the-job training, upon completion of all course work. The on-the-job training consists of the practical application of the principles and practices taught in the prescribed courses. The credits will be granted upon written recommendation of the instructor of record and the local Fire Chief. PREREQ: PERM/INST.

Heavy Duty Mechanics—Diesel—Eleven Month Program

Certificate of Completion
Instructors: Ted Brownfield, Ken Hogue

This program is designed to prepare students for entry level employment in the heavy mechanics field. Instruction will include the basics in design and fundamentals of operation of gasoline and diesel engines, heavy duty trucks, equipment and component parts. Instruction will be on mock-ups and actual working units.

Students will be offered entry into the Heavy Duty Mechanics-Diesel program five times per school year during the fall, spring and summer semesters, depending on available seating.

NOTE: The PREREQUISITE for entering the Heavy Duty Mechanics-Diesel program is the Core Block Mechanics program or the equivalent. This program is incorporated with the Agricultural Equipment Technology program which allows enhancement of skills. A minimum grade of 'C' is required in all coursework to graduate with a Certificate of Completion.

SUBJECTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
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<tbody>
<tr>
<td>Core Block Mechanics CB</td>
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<tr>
<td>First Eight Week Block</td>
<td></td>
<td></td>
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<tr>
<td>Engine Component Systems DM 157</td>
<td>5</td>
<td></td>
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</tr>
<tr>
<td>Engine Brakes DM 169</td>
<td></td>
<td>2</td>
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<tr>
<td>Engine Fuel Systems DM 158</td>
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<tr>
<td>TOTAL</td>
<td>8</td>
<td>8</td>
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</table>
The objective of the Horticulture Program is to prepare students for employment in the Landscape, Nursery, Floral, Greenhouse, and Fruit and Vegetable industries. This includes the production, sales, and service areas of these major fields. The program stresses the design of landscapes, their interpretation and construction including costs, production of nursery plants, plant propagation, and landscape planting. Graduates of the Horticulture program qualify for positions in Nursery and Floral establishments as well as in Parks, Gardens, Maintenance, and Highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields.

FRESHMAN YEAR
- Horticulture Laboratory HO 101-102.
- Communication Skills HO 110-112.
- Related Basic Mathematics HO 131-132.
- Related Basic Science HO 141-142.
- Horticulture Theory HO 151-152.

TOTAL 19 19

SOPHOMORE YEAR
- Horticulture Laboratory HO 201-202.
- Related Science HO 241-242.
- Horticulture Theory HO 251-252.
- Occupational Relationships HO 262.
- Individual Project HO 271.
- Consumer Marketing MM 201.
- Salesmanship MM 101.

TOTAL 18 19

Course Offerings
See page 20 for definition of course numbering system

HO HORTICULTURE

HO 101 HORTICULTURE LABORATORY (0-15-4). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application to include exploring occupational opportunities. Identification of plants and the use of descriptive 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, plant production, and floral design.

HO 102 HORTICULTURE LABORATORY (0-15-4). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include soils and soil amendments; construction of growing containers and hybridization of entire greenhouse operation and bedding plant production; the use of insecticides; pesticides, etc., and precautions necessary during use; pruning.

HO 111-112 COMMUNICATION SKILLS (3-0-3)(F,S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

HO 131-132 RELATED BASIC MATHEMATICS (3-0-3). First semester—developing comprehension of the basic principles of mathematics. Specific areas include addition, subtraction, multiplication, division, fractions, denominate numbers, square root, mensuration. Second semester—developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc.


HO 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; plant hardiness; and pruning practices.

HO 201 HORTICULTURE LABORATORY (0-15-4). Applying theory and related science to the solution of practical problems in Horticulture. Specific areas of application include: preparing landscape designs for residential, commercial, parks. Installation of walks, patios, arbors and retaining walls, plant identification including evergreens and deciduous shrubs, ground cover and vines.

Horticulture Service Technician—Two Year Program

(Landscape Construction and Maintenance)

Instructors: Gary Moen, Neldon Oyler
Industrial Environmental Technician Program

Associate of Applied Science

This double major option combines the Industrial Mechanics/Automation and Refrigeration, Heating and Air Conditioning curricula. The required general education coursework for the AAS degree are 6 credits in Communications (CM 111, 221) and 4 credits of Psychology (P 101 and P 125). Successful candidates will control the environment in a variety of industrial settings ranging from light manufacturing or business to heavy industrial settings.

Detailed course descriptions for Industrial Mechanics/Automation and Refrigeration, Heating and Air Conditioning can be found in the present Boise State University catalog. The Certificate of Completion that is available for each respective program is retained. The AAS Degree program is an option beyond the Certificate of Completion level.

SUBJECTS

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Air Conditioning Lab RH 121-122</td>
<td>5</td>
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<tr>
<td>Air Conditioning Theory RH 141-142</td>
<td>10</td>
</tr>
<tr>
<td>*Occupational Relationships RH 262</td>
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</tr>
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<td><strong>TOTAL</strong></td>
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| Maintenance Welding Tech IM 101 | 3  |
| Maintenance Machine Fund IM 102 | 3  |
| Electro-Mechanical Systems IM 114 | 3  |
| Electro-Mechanical Systems IM 115 | 3  |
| Basic Fluid Power Operations-Hydraulics IM 124 | 3  |
| Basic Fluid Power Operations-Pneumatics IM 125 | 3  |
| Industrial Mechanical Laboratory IM 134 | 5  |
| Industrial Mechanical Laboratory IM 135 | 5  |
| Industrial Technology Communications IM 162 | 2  |
| *Occupational Relationships IM 262 | 2  |
| **TOTAL** | 16 | 16 |

*IM 262 OR RH 262 required for AAS Degree.

Industrial Mechanics/Automation—Nine Month Program

Certificate of Completion
Instructor: Bob Allen

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.

<table>
<thead>
<tr>
<th>1st SEM</th>
<th>2nd SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Welding Technology IM 101</td>
<td>3</td>
</tr>
<tr>
<td>Maintenance Machine Fundamentals IM 102</td>
<td>3</td>
</tr>
<tr>
<td>Electro-Mechanical Systems IM 114</td>
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<tr>
<td>Electro-Mechanical Systems IM 115</td>
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</tr>
<tr>
<td>Basic Fluid Power Operations-Hydraulics IM 124</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Offerings

See page 20 for definition of course numbering system

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 114 ELECTRO-MECHANICAL SYSTEMS (3-0-3)(F). This course includes basic electricity, fractional horsepower motors, torque and horsepower, controls, transmission of power via various drives, troubleshooting, and maintenance of these systems. Test meter usage is stressed.

IM 115 ELECTRO-MECHANICAL SYSTEMS (3-0-3)(S). This course includes electrical motors with emphasis on three-phase and direct-current operation. Wiring skills are emphasized and troubleshooting of complex circuits is given using modern testing equipment.

IM 124 BASIC FLUID POWER OPERATIONS-HYDRAULICS (3-0-3)(F). This course concentrates on Basic Hydraulics providing exposure to pumps, motors, directional control valves, flow controls, filtration devices, and actuators.

IM 125 BASIC FLUID POWER OPERATIONS-PNEUMATICS (3-0-3)(S). This course concentrates on Basic Pneumatics providing exposure to compressors, motors, switches, control valves, flow controls, filtration devices, and actuators.

IM 134 INDUSTRIAL MECHANICAL LABORATORY (0-20-3)(F/S). Laboratory experiences keypered to Performance Based Objectives. Five areas are emphasized to prepare technicians for industrial environments. These areas include, but are not limited to: Metallurgy via welding technologies, maintenance of this equipment, and fluid power technologies. Hydraulics, electromechanical systems are enhanced by computer assistance where applicable.

IM 135 INDUSTRIAL MECHANICAL LABORATORY (0-20-3)(S). Laboratory experiences keypered to Performance Based Objectives. Five areas are emphasized to prepare technicians for industrial environments. These areas include, but are not limited to: Metallurgy via welding technologies, maintenance of this equipment, and fluid power technologies. Hydraulics, electromechanical systems are enhanced by computer assistance where applicable.

IM 162 INDUSTRIAL TECHNOLOGY COMMUNICATIONS (3-0-2)(F). Computer/Numercial Control Literacy for the Industrial Technician. Problem solving with the Hewlett-Packard HP41 CV/IL System. Demonstrations of programming and operating techniques are given for operation of computerized communication 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
Instructors: Gus Glassen, Don Wermert

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 the 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 Diploma in Machine Shop.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Machine Shop Laboratory MS 103, 104</td>
<td>6</td>
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<tr>
<td>Communication Skills MS 111</td>
<td>3</td>
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<tr>
<td>Related Blueprint Reading MS 126, 127</td>
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</table>
Basic Math MS 132 ........................................... 2
Machine Shop Theory MS 153, 154 ...................... 3 3
Occupational Relationships MS 262 ...................... - 2
Fundamentals of Speech Commun CM 111 .............. - 3

**TOTAL** 16 18

**SOPHOMORE YEAR**

Advanced Machine Shop Lab MS 203, 204 .............. 6 6
Fund Computer-Aided Draft & Design MS 211 ......... 1
Blueprint Read & Layout for Machinist MS 223 ....... 1
Tool Design for Manufacturing MS 224 ................. 2
Advanced Math MS 233, 234 ................................ 6 6
Advanced Machine Shop Theory MS 253, 254 ......... 2 2
Electives (on approval) ...................................... 3 3

**TOTAL** 19 19

**Course Offerings**

See page 20 for definition of course numbering system

**FRESHMAN YEAR**

**English Composition E 101, 102** ........................ 3 3
**Introduction to Business GB 202** ....................... 3
**Math or Information-Decision Science Elective** ....... 3
**Salesmanship MM 101** ................................... 3
**Introduction to Financial Accounting AC 205** ......... 3
**Principles of Macroeconomics EC 205** ................. 3
**Mid-Management Practicum MM 100** ................. 2 2
**Elements of Management MM 105** ...................... 3
**Fundamentals of Speech Comm CM 111** ............... 3

**TOTAL** 17 15

**SOPHOMORE YEAR**

**Consumer Marketing MM 201** .......................... 3
**Principles of Microeconomics EC 205** ................. 3
**Principles of Advertising MM 203** .................... 3
**Report Writing MM 205** ................................ 3
**Intro Microcomputer Appl in Retailing MM 250** ........ 3
**Retail Merchandising MM 204** .......................... 3
**General Psychology P 101** .............................. 3
**Mid-Management Practicum MM 100** ................. 2 2
**Electives** .................................................. 2 5

**TOTAL** 16 16

*NOTE: The Marketing: Mid-Management program is also listed in this Catalog in the College of Business section.*

**Practical Nursing—Eleven Month Program**

*Certificate of Completion*

Instructors: Leanne Borman, Dessa Lagerstrom,
Donna McCulloch, Mary Noreen, Janet Tisdale, Mary Towle

The Practical Nursing Program, in cooperation with five hospitals, two long term care facilities 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’ role in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically related 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:** High school graduate or pass the General Educational Development Test. Satisfactory scores on the preentrance test, which is given by Boise State University. A complete medical examination is required. The applicant will be interviewed by a committee. Twenty five students will be selected for the Boise program, which begins in January; twenty students will be selected for the Nampa/Caldwell program, which begins in September.
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
- Anatomy and Physiology for Prac Nurs PN 102
- Medical-Surgical Nursing Clinical PN 104
- Nutrition and Diet Therapy PN 105
- Emergency Nursing Concepts PN 106
- Pharmacology for Practical Nursing PN 107
- Pharmacology Clinical PN 108
- Geriatric Nursing PN 109
- Geriatric Clinical PN 110
- Maternal and Infant Clinical PN 112
- Pediatric Clinical PN 113
- Fundamentals of Nursing PN 114
- Clinical Foundations PN 115
- Community Health and Microbiology PN 120
- Medical-Surgical Nursing I PN 121
- Medical-Surgical Nursing II PN 122
- Growth and Development PN 123
- Maternal and Infant Health PN 124
- Pediatric Nursing PN 125
- Mental Health and Mental Illness PN 126
- Intro Comp Appl Occup Relat PN 180

**Course Offerings**

See page 20 for definition of course numbering system

**PN PRACTICAL NURSING**

- PN 101 PROFESSIONAL CONCEPTS (1-0-1)f/5. Topics of study for Practical Nursing. Professional Concepts include role of the Practical Nurse, legal and ethical aspects, and historical development of the field.

- PN 102 ANATOMY AND PHYSIOLOGY FOR PRACTICAL NURSING (4-0-4). A study of the normal structure and function of the body cells, tissues, organs, and systems, including the interrelationship of body systems.

- PN 104 MEDICAL-SURGICAL NURSING CLINICAL (0-28-7). Clinical experience for PN 121-122.

- PN 105 NUTRITION AND DIET THERAPY (2-0-2). An introduction to nutrition and identification of body nutritional needs in health and illness, including the study of diet therapy.

- PN 106 EMERGENCY NURSING CONCEPTS (2-0-2). A study of assessment and immediate and temporary treatment of persons involved in accidents or other emergency situations.

- PN 107 PHARMACOLOGY FOR PRACTICAL NURSING (3-0-3). A study of drug classification, modes of administration and principles of mathematics essential to drug administration.

- PN 108 PHARMACOLOGY CLINICAL (0-4-1). Clinical experience for PN 107.

- 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.

- PN 112 MATERNAL AND INFANT CLINICAL (0-4-1). Clinical experience for PN 124. PREREQ: PN 123.

- PN 113 PEDIATRIC CLINICAL (0-8-2). Clinical experience for 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.

- PN 118 PRACTICAL NURSING SPECIAL THEORY (V-V-1 to 10). Designed to provide the opportunity for study of a specific unit of theory. The topic offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.

- PN 119 PRACTICAL NURSING SPECIAL CLINICAL (V-V-1 to 10). Designed to provide the opportunity for specific clinical experience. The clinical offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.

- PN 120 COMMUNITY HEALTH AND MICROBIOLOGY (1-4-1). A study of the health needs of the individual, the family, the community and microbiology.

**Professional Truck Driving Program—Ten Week Program**

Certificate of Completion

Instructor: Bob Castleberry

The Professional Truck Driving Program curriculum is designed to provide the students with the necessary skills and background for employment as an over-the-road entry level driver. This program is 10 weeks in length, 40 hours per week. Initially controlled driving will take place in non-traffic areas and advance to open road, progressing from an empty to a loaded truck and trailer. The student will learn skills and procedures for handling freight, loading and unloading, dock loading, trailer combinations and their uses. Ample time will be given to familiarize the student with the problems of negotiating large rigs in traffic and over the highway. DOT and Interstate rules and requirements including the new Federal Commercial Driver’s License law will be covered. Log keeping and accident procedures are stressed throughout the course. A Certificate of Completion is issued upon satisfactory completion of the program. All students must meet the Department of Transportation’s physical standards and have a Department of Motor Vehicles driver’s record check.

**SUBJECTS**

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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Basic Operation TD 100</td>
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<tr>
<td>Safe Operating Procedures TD 105</td>
<td>3</td>
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<tr>
<td>Advanced Operating Practice TD 110</td>
<td>2</td>
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<tr>
<td>Vehicle Maintenance TD 115</td>
<td>3</td>
</tr>
<tr>
<td>Transportation Systems Management TD 120</td>
<td>4</td>
</tr>
</tbody>
</table>

**Course Offerings**

See page 20 for definition of course numbering system

TD 100 BASIC OPERATION (3-0-3). This course includes orientation to the program, introduces students to control systems, vehicle inspection, basic vehicular operation, shifting, backing, coupling and uncoupling, proficiency development, and introduction to required permits, log books and regulations.

TD 105 SAFE OPERATING PROCEDURES (2-4-3). This course includes classroom and lab instruction on principles of visual search, communications, speed management, space management, night operation, extreme driving conditions and proficiency development covering safe operating procedures.

TD 110 ADVANCED OPERATING PRACTICE (1-4-2). This course includes lab and classroom instruction on hazard perception, emergency maneuvers, skid control and recovery.

TD 115 VEHICLE MAINTENANCE (3-4-4). This course includes classroom and lab instruction on the function and operation of all key vehicle systems, preventive maintenance, and vehicle servicing including checking engine fluids, changing fuses, checking tire inflation, changing tires, draining air tanks, adjusting brakes, and performing emergency repairs. Diagnosing and reporting of vehicle malfunctions will also be covered.

TD 120 TRANSPORTATION SYSTEMS MANAGEMENT (2-4-3). This course includes the lab and basic principles of handling freight, weight distribution, securing cargo, cargo documentation, service requirements including permissible hours of duty, log keeping, accident procedures, personal health and safety, trip planning, public and employee relations.
Refrigeration, Heating and Air Conditioning—Nine Month Program

Certificate of Completion
Instructor: Alan Messick

The Refrigeration, Heating and Air Conditioning 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 and residential equipment and will cover all phases of skills and knowledge necessary to repair the equipment with a strong emphasis on safety.

SUBJECTS

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Air Conditioning Lab RH 121-122</td>
<td>5</td>
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<tr>
<td>Air Conditioning Theory RH 141-142</td>
<td>10</td>
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<tr>
<td>Occupational Relationships RH 262</td>
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Course Offerings
See page 20 for definition of course numbering system

RH AIR CONDITIONING, REFRIGERATION AND HEATING
RH 121-122 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (0-20-5)(F). 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 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (10-8-10)(F). This sequence of courses provides a basic understanding of the equipment and tools used on commercial and residential refrigeration, heating and air conditioning equipment including heat pumps. Emphasis is on causes of break downs and the making of necessary repairs. Test equipment is used in the inspection of components such as relays, thermostats, motors, refrigerant lines, compressors, evaporators, condensers, oil and gas heating equipment, metering devices and electrical circuitry.

RH 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, securing, maintaining and advancing in employment. It also helps students deal with stress and become more efficient in time management.

Respiratory Therapy Technician

Certificate of Completion
Instructors: David Nuerenberg, Dr. Charles Reed, Denise Voigt

The Respiratory Therapy Technician program is designed to provide students with the necessary theory and skills to become employed as a Respiratory Therapy Technician upon graduation and be eligible to write the Certified Respiratory Therapy Technician National Examination. The program includes the study of anatomy, physiology, microbiology, pharmacology, pathology and specialized subjects related to respiratory therapy.

Clinical experience consists of supervised, acute and long term care experience in treatment of respiratory disease. The various acute and long term care facilities provide a vastly diversified experience in cardiopulmonary care.

The program is fully accredited by the Council on Allied Health Education and Accreditation of the American Medical Association.

A Certificate of Completion is awarded upon completion of the program.

FALL SEMESTER

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<tr>
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<td>Anatomy &amp; Physiology RS 111</td>
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<td>Basic Science RS 112</td>
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<td>Clinical Assessment RS 113</td>
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<tr>
<td>Gas Therapy Theory RS 114</td>
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<td>Gas Therapy Lab RS 115</td>
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<tr>
<td>Intro to Respiratory Therapy RS 116</td>
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<tr>
<td>Communications RS 117</td>
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<td>Intermittent Positive Pressure Breathing RS 118</td>
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<td>Microbiology RS 119</td>
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SPRING SEMESTER

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<td>Cardiopulmonary Resuscitation RS 152</td>
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<tr>
<td>Electrocardiography RS 153</td>
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<tr>
<td>Mechanical Ventilation Theory RS 154</td>
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<td>Mechanical Ventilation Lab RS 155</td>
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<td>Pulmonary Function Theory RS 156</td>
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SUMMER SEMESTER

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<tr>
<td>Clinical Lecture Series RS 175</td>
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<tr>
<td>Respiratory Care Review RS 176</td>
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<tr>
<td>Clinical Practicum III RS 179</td>
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</tbody>
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Course Offerings
See page 20 for definition of course numbering system

RS RESPIRATORY THERAPY TECHNICIAN

RS 111 ANATOMY AND PHYSIOLOGY (6-0-6)(F). A study of the body systems, functions and their interrelationships with a focus on the cardiopulmonary systems. PREREQ: PERM/INST.

RS 112 BASIC SCIENCE (2-0-2)(F). A general science study including a review of basic mathematics, chemistry, and physics with emphasis on gas laws. PREREQ: PERM/INST.

RS 113 CLINICAL ASSESSMENT (2-0-2)(F). The practice of respiratory assessment including breath sounds, inspection, auscultation, palpation, percussion, chest physiotherapy care. PREREQ: PERM/INST.

RS 114 GAS THERAPY THEORY (2-8-2)(F). The detailed study of gases, aerosols, and humidity and their application to respiratory care. PREREQ: PERM/INST.

RS 115 GAS THERAPY LAB (0-4-1)(F). Practical application of all gas therapy apparatus. Students will assemble, disassemble, and apply gas delivery equipment. PREREQ: PERM/INST.

RS 116 INTRODUCTION TO RESPIRATORY THERAPY (1-0-1)(F). The introduction to clinical practice, basic patient care and charting. PREREQ: PERM/INST.

RS 117 COMMUNICATIONS (1-0-1)(F). Practical application of communications. Includes the study of terminology, legal aspects, ethics, and job-seeking skills. PREREQ: PERM/INST.

RS 118 INTERMITTENT POSITIVE PRESSURE BREATHING (1-0-1)(F). A study and application of intermittent positive breathing therapy and including basic indications, contraindications, advantages, and hazards. PREREQ: PERM/INST.

RS 119 MICROBIOLOGY (1-0-1)(F). A study of the classification, morphology, identification, and physiology of microorganisms with special emphasis on handling, cleaning, culturing, and sterilization of contaminated equipment. PREREQ: PERM/INST.

RS 120 PHARMACOLOGY (3-0-3)(F). An introduction to commonly used drugs in respiratory care including principles and routes of drug administration, actions, indications, contraindications, and physiologic responses. PREREQ: PERM/INST.

RS 121 CLINICAL PRACTICUM (0-8-2)(F). The student will obtain experience under the direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

RS 151 CARDIOPULMONARY PATHOPHYSIOLOGY (4-0-4)(S). A study of the cardiopulmonary systems and their effects on other body systems, normal physiology, and pathological entities including the role of respiratory care in certain disease states. PREREQ: PERM/INST.

RS 152 CARDIOPULMONARY RESUSCITATION (1-4-2)(S). A study of the biologically dead patient, the physiology of cell, tissue, organ and system death. C.P.R. techniques, airway management, and intubation will be practiced. Students will meet American Heart Association CPR certification. PREREQ: PERM/INST.

RS 153 ELECTROCARDIOGRAPHY (1-0-1)(S). A study of the normal and abnormal cardiac tracings, and basic EKG interpretations, and the practice of EKG techniques. PREREQ: PERM/INST.

RS 154 MECHANICAL VENTILATION THEORY (1-0-1)(S). A comprehensive study of ventilators, including the mechanical and physiological aspects of long-term ventilatory support, and care of the patient on life support systems. PREREQ: PERM/INST.

RS 155 MECHANICAL VENTILATION LAB (0-4-1)(S). Lab practice with models of ventilators including special techniques and augmented by clinical experience. PREREQ: PERM/INST.

RS 156 PULMONARY FUNCTION THEORY (2-0-2)(S). A study of the history, techniques, and interpretation of pulmonary function studies in "state-of-the-art" testing. The study of etiology and symptomatology of diseases and their relationship to pulmonary function studies included. PREREQ: PERM/INST.
RS 157 PULMONARY FUNCTION LAB (0-6-2)(S). Practical application of testing, including spirometry, plethysmography, exercise studies, and arterial blood gases. PREREQ: PERM/INST.

RS 158 CLINICAL PRACTICUM II (0-16-4)(S). The student will obtain clinical experience under direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

RS 175 CLINICAL LECTURE SERIES (3-0-3)(SU). Physician instructed study of pulmonary and cardiac diseases with emphasis on their clinical management. PREREQ: PERM/INST.

RS 176 RESPIRATORY CARE REVIEW (5-0-5)(SU). The theory and clinical applications of modalities including incubators, hypothermia units, infant warmers and pleural suction. PREREQ: PERM/INST.

RS 179 CLINICAL PRACTICUM III (3-32-7)(SU). The student will obtain clinical experience under direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

Small Engine Repair—Nine Month Program

(Recreational Vehicles)
Certificate of Completion
Instructor: Jeff Schroeder

The Small Engine Repair Program will include classroom, math, and shop experiences directed to maintaining and repairing of a variety of two and four cycle engines used on portable power equipment, e.g., lawnmowers, outboard motors, chain saws, lawn sprinklers and recreational vehicles. The instructional units will emphasize the complete repair of all types of small engine equipment.

SUBJECTS  Fall  Spring
Small Engine Laboratory SE 101, 102  8  8
Small Engine Theory SE 141, 142  6  6
*Intro Microcomputers CB 129  1
Occupational Relationships SE 181  1
TOTAL  14  16

*See Core Block Mechanics for course description.

Course Offerings
See page 20 for definition of course numbering system

ST SMALL ENGINE REPAIR
SE 101 SMALL ENGINE LABORATORY (0-32-8)(F). Includes application and instruction in repair and overhaul of small engine units with emphasis on lawn and garden equipment.
SE 102 SMALL ENGINE LABORATORY (0-32-8)(S). Repair and maintenance of recreational vehicles, motorcycles, snowmobiles and outboard marine engines.
SE 141 SMALL ENGINE THEORY (6-0-6)(F). Provides a basic understanding of internal combustion engine and principles of two and four cycle engines. Fundamentals in carburetion and electrical systems are covered.
SE 142 SMALL ENGINE THEORY (6-0-6)(S). Includes instruction in power train, clutching, trouble shooting, fuel systems, tune-up, marine engines and chain saws.
SE 181 OCCUPATIONAL RELATIONS (1-6-1)(S). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment.

Surgical Technology—Nine Month Program

Certificate of Completion
Instructor: Sharon Gollick

The Surgical Technology Program, in cooperation with two local hospitals, is 9 months in length and consists of competency-based classroom, laboratory and clinical instruction. The program is accredited by the American Medical Association, Committee on Allied Health and Education and Accreditation. A Certificate of Completion is awarded upon graduation from the program. Students are then eligible to take the National Certification Exam for Surgical Technologists.

Classroom and laboratory work includes instruction and practice in operating room techniques, infection: process, prevention and control, care of surgical patient and human anatomy and physiology.

Clinical experience is supervised hands-on hospital experience in scrubbing for a variety of surgical procedures. Failure to meet both the theory and clinical areas may result in termination from the program.

Classes begin Fall Semester only.

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<td>Anatomy &amp; Physiology for Surgical Tech</td>
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<tr>
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<td>18</td>
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</table>
Course Offerings
See page 20 for definition of course numbering system

WW WASTEWATER TECHNOLOGY

WW 110 WATER/WASTEWATER MECHANICAL LAB I (3-8-5SF). Introduction to and general use of hand tools, power tools, and bench mounted tools. Nomenclature of the various types of pumps, installation of packing and mechanical aspects in pumps and valves will be discussed. Compressors, clarifiers and other mechanical devices used in water/wastewater treatment.

WW 111 WATER/WASTEWATER MECHANICAL LAB II (3-8-5SF). Hands on assembly and disassembly of the various pieces of machinery used in the treat- ment processes. Overview of the types and abilities of pumps and the purpose of the use of pumps in the operation of plant equipment. Trouble shooting of equipment will be emphasized. PREREQ: WW 110.

WW 120 WATER/WASTEWATER BIO-CHEM LAB I (3-8-5SF). Introduction to standard laboratory equipment, operator maintenance of laboratory equipment, laboratory safety procedures and practices. Basic water and wastewater testing will be performed.


WW 133 WATER/WASTEWATER TECHNICAL MATHEMATICS I (3-8-3SF). Calculation of length, area and volume of various shapes of tanks, channels, and containers. Calculation of flow rates, velocity, force/pressure and hydraulic heads, detention times, surface loading and other calculations relating to those treatment processes will be covered.

WW 134 WATER/WASTEWATER TECHNICAL MATHEMATICS II (3-8-3SF). Intermediate mathematics covering algebra, chemistry calculations, and horsepower calculations to include efficiency curve to determine power ratings and electrical requirements as related to the process. PREREQ: WW 133.

WW 135 WATER/WASTEWATER TREATMENT PLANT OPERATIONS I (3-8-3SF). Introduction to water treatment plant operations, including well construction, preparation times, operation of distribution systems, plan operation including general floc formation and the use of chemical addition, sedimentation, filtration, chlorination and storage. Wastewater collection systems, pretreatment, primary sedimentation, along with secondary treatment processes including trickling filters, aerobic biological filters, rotating biological contactors, oxidation ditches and lagoon operation and chlorination.

WW 135 WATER/WASTEWATER TREATMENT PLANT OPERATIONS II (3-8-3SF). Advanced treatment processes including coagulation, flocculation, sedimenta- tion, softening, stabilization, fluoridation, chlorination, dechlorination, and secondary treatment processes including a heavy emphasis on activated sludge control. Aerobic and anaerobic digestion operation and the disposal of the solid waste will be discussed. Safety in and around tanks, digesters, and collection systems will be emphasized extensively along with street barricades and street work safety. Plant interaction, report writing, budget preparation. PREREQ: WW 153.

WW 161 WATER/WASTEWATER IN PLANT PRACTICUM II (3-8-3SU). Supervised experience in area water and/or wastewater facilities. Students gain experience in all phases of treatment in a variety of facilities and with several processes.

WW 262 OCCUPATIONAL RELATIONS (2-0-2SU). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment.

Welding and Metals Fabrication—Eleven Month Program

Certificate of Completion
Instructor: Ron Baldner

The Welding/Metal Fabrication Program provides the student with instruction, practical experience, and related theory in shielded metal arc welding (SMAW), gas metal arc welding (GMAW)/(MIG), flux cored arc welding (FCAW), gas tungsten arc welding (TIG), plasma arc welding, manual and automatic, and several processes, as well as (OA) brazing and welding, plasma-arc cutting of ferrous and 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 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 student 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 con- tinual emphasis on safety.

Course Offerings
See page 20 for definition of course numbering system

W WELDING

W 106 WELDING LABORATORY (0-20-5SF). This course will allow the student to apply and practice those skills discussed in the WELDING THEORY and BLUEPRINT READING AND LAYOUT courses. Emphasis will be on acquiring new skills in a number of areas related to the occupation including shielded metal arc welding (SMAW) (stick welding); Oxy-Acet. Burning (manual and automatic); Oxy-Acet. Brazing, soldering, and welding (OAW); Gas Metal Arc Welding (GMAW) (MIG); Flux Cored Arc Welding (FCAW); Material Identification; Electrode selection; and Layout and Fabrication Skill.

W 107 WELDING LABORATORY (0-20-5SF). This course will allow the student to apply and practice those skills discussed in the WELDING THEORY and BLUEPRINT READING AND LAYOUT courses. Emphasis will be on acquiring job entry level’s skills in the following areas: Shielded Metal Arc Welding (SMAW); Oxy-Acet. Burning (manual and automatic); Oxy-Acet. Brazing, soldering, and welding (OAW); Gas Metal Arc Welding (GMAW) (MIG); Flux Cored Arc Welding (FCAW); Material Identification; Electrode selection; Layout and Fabrication Skill; Air Arc Gouging; Welder Qualification tests. PREREQ: W 106 or PERM/INST.

W 108 WELDING LECTURE/LABORATORY (6-24-6SU). Summer session (2 months) for basic students to continue on track and for advanced students to work into TIG/PIPE and qualification tests. Further emphasis on blueprint analysis, properties of materials, and safe operating procedures is given. PREREQ: W 107 or PERM/INST.

W 111 WELDING COMMUNICATIONS (3-0-3F). An examination of interpersonal communication. Focuses on communication in life-long learning, awareness of self, communicative relationships and written communications. PREREQ: W 106 or PERM/INST.

W 125 BLUEPRINT READING AND LAYOUT (3-0-3F). This course will include the basics of Orthographic drawing, layout and fabrication techniques for plate and gauge material developments or rectangular and triangular shapes, flat pattern development, blueprint reading and layout techniques to develop structural drawings, rectangle to rectangle transitions, round to round transitions, circles and rolled shapes as well as the related math. Also included will be structural detailing, layout and fabrication of structural shapes and the related symbols, abbreviations and ordering information. PREREQ: W 125 or PERM/INST.

W 155 WELDING THEORY (4-4-4F). The purpose of this course is to provide the student with a practical understanding of the following topics: 1) Basic Welding Theory, 2) Oxy-Acetylene Burning, 3) Electrode Selection, 4) Continuous Wirefeed Welding processes, 5) Oxy-Acetylene Brazing, Soldering and Welding, 6) Properties of Materials, 7) Material Identification and Basic Metallurgy.

W 156 WELDING THEORY (1-0-1S). The purpose of this course is to provide the student with a practical understanding of the following topics: 1) Welding Sheath Metal with the SMAW and GMAW processes, 2) Control of Arc blow and Weldment Distortion, 3) Air Arc Gouging, 4) Weldor Qualification testing.

W 157 INTRODUCTION TO MICROCOMPUTERS (2-0-1SU). This course introduces the student to microcomputer skills related to the welding field, including Disk Operating System and basic word processing.

W 262 OCCUPATIONAL RELATIONSHIPS (2-0-2SU). An examination of occupa- tional requirements. Focuses on job seeking skills, employee and employer relations, social security, job safety laws and workmen’s compensation laws, Cardio Pulmonary Resuscitation and First Aid.
Graduate Program Coordinators

Business: David F. Groebner, Ph.D., Professor, College of Business
Communication: Robert R. Boren, Ph.D., Chairperson and Professor of Communication
Education: Kenneth L. Hill, Ed.D., Associate Dean, College of Education
English: Dale K. Boyer, Ph.D., Professor of English
Exercise & Sports Studies: Linda M. Petlichkoff, Ph.D., Assistant Professor of Health, Physical Education, and Recreation
Geology: Walter S. Snyder, Ph.D., Associate Professor of Geology and Geophysics
Geophysics: John R. Pelton, Ph.D., Associate Professor of Geology and Geophysics
History: Errol D. Jones, Ph.D., Associate Professor of History
Instructional/Performance Technology: Mark Eisley, Ph.D., Assistant Professor of Instructional/Performance Technology
Interdisciplinary Studies: Phillip Eastman, Ph.D., Professor of Mathematics; Associate Dean, College of Arts and Sciences
Music: Jeanne Marie Belfy, Ph.D., Associate Professor of Music
Public Administration: James B. Weatherby, Ph.D., Associate Professor and Director of Public Administration
Raptor Biology: Marc Joseph Bechard, Ph.D., Professor, Department of Biology

Admission As A Graduate Student

The Graduate Admissions Office of the Graduate College provides admissions counseling, evaluates all transcripts for admission to graduate programs and verifies the completion of admission requirements. Students holding a bachelor’s or higher degree can be classified as graduate, senior, sophomore or special for purposes of financial aid application and fee payment. Students should contact the Graduate Admissions Office for clarification of this policy.

Admission requirements for students pursuing master’s degrees vary according to the graduate program. Please see the graduate program requirements listed below.

1. All students holding a bachelor’s or higher degree must submit an application for admission to the Graduate Admissions Office and pay a nonrefundable $15.00 application fee.
2. All graduate students, except the categories exempted below, must submit official transcripts from each post-high school institution attended directly to the Graduate Admissions Office. An official transcript is one certified by the issuing institution and mailed by that institution directly to the Graduate Admissions Office.

Exempt categories: Students pursuing general graduate study or undergraduate courses of interest.

Programs

Boise State University offers the following graduate degrees: Master of Business Administration, Master of Arts in Communication, Master of Arts/Science in Education, Master of Arts in English, Master of Science
in Exercise and Sport Studies, Master of Public Administration, Master of Arts in History, Master of Music, Master of Arts/Science in Interdisciplinary Studies, Master of Science in Raptor Biology, a Master of Science in Geology in cooperation with Idaho State University, Master of Science in Geophysics, and a Master of Science in Instructional/Performance Technology.


The Master of Public Administration Degree Program has four areas of emphasis: (1) General Public Administration, (2) Human Services Administration, (3) Criminal Justice Administration, and (4) Environmental and Natural Resources Administration.

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 or serve on graduate committees, 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 College may be made at any time. However, there are admission deadlines for some programs and these are listed under the program description. It is recommended, however, that at least two months before the initial enrollment, the Office of Graduate Admissions will have received the application for admission, $15.00 application processing fee, official transcripts of all undergraduate and graduate work and any predictive exam scores. This will provide sufficient time to process the application prior to the semester the applicant wishes to commence graduate study. The transcripts are to be sent directly to the Boise State University Office of Graduate Admissions 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. Applicants are strongly advised to submit the application for admission and the $15.00 application processing fee prior to requesting transcripts.

Graduate students pursuing a second baccalaureate degree must meet all the requirements and follow the same policies and procedures that apply to undergraduates in the same degree program. For example, some baccalaureate programs require admission to upper division standing with a specific grade point average, or have certain enrollment restrictions. Carefully read the program description and requirements for the undergraduate program you plan to pursue in order to determine your eligibility.

All documents received by the University in conjunction with applications for admission become the property of Boise State University. Under no circumstances will they be duplicated except for University advisement, or the original returned to the applicant or forwarded to any agency or other college or university.

Admission to the Graduate College

An applicant may be admitted to the Graduate College as an unclassified or non-degree-seeking student to take courses of interest when the following criteria have been met:

1. The applicant has earned a baccalaureate degree from an accredited institution.
2. The applicant has a grade point average of at least 2.75/4.00.

A student may be admitted to a graduate degree program when these additional criteria have been met:

1. Completes the GRE general exam or other predictive exam as specified by the program.
2. Submits all transcripts, letters of recommendation, and other materials specified by the program.
3. Meets the GPA requirement for the program.
4. Is recommended for admission to the degree program by the graduate program coordinator and receives written notification of admission from the Graduate Dean.

Graduate Status Classification for Matriculated Students: All applicants are admitted to the Graduate College initially with unclassified status and retain this status until they have been accepted into a graduate program with either provisional or regular status. Credits earned by a student in unclassified status may not necessarily be accepted towards a graduate degree if the student applies for and is admitted to a graduate program at a later time. No more than nine credit hours taken in unclassified status may be included in any graduate degree program without waiver by the Graduate Dean upon recommendation by the school or department in which the student will work.

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.

Regular Status: The applicant has been admitted with full graduate standing into a graduate degree program.

Graduate Courses for Undergraduate Credit

Boise State University seniors may take up to two 500 level courses for Upper Division credit applied to their baccalaureate degree program. The necessary permit forms are available through the Graduation Evaluators Office. Determination of what constitutes a senior for the purpose of this policy is left to the Graduate Dean. (MBA courses are excluded from this policy.)

Graduate Credit for Seniors

A Boise State University senior with the approval of the department in which he or she plans to work and the Graduate Dean, may enroll for graduate credit during his senior year. A student seeking admission to the Graduate College with provisional status or regular status may enroll for graduate credit during his senior year insofar as these credits will not prejudice his or her graduation during that academic year. The necessary Senior Permit Forms are available at the Graduation Evaluators Office. Credits earned in this manner are "reserved" to count toward a graduate degree at BSU. (MBA courses are excluded from this policy.)

Scholarship Requirements

Academic excellence is required 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 or her 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.

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 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 a provisional status will be assigned a temporary advisor who will be responsible for building a tentative program of study. This advisor will guide the student with respect to meeting the stipulations of the provisional admission. Once the provisional stipulations have been satisfactorily met by the student, the department concerned will recommend the student for admission to 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 C or better grade may be transferred to Boise State University for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exception may be made by departments after a detailed examination of the specific courses taken. No correspondence course will be accepted for graduate credit. All appropriate graduate work taken through inter-institutional cooperative graduate programs, if approved by the college offering the program, can be accepted as residence credit.

Challenge Policy: The provisions of the challenge policy stated in the Catalog Section, “Admission Requirements to the College” under subsection “Challenging Courses, Granting Credit by Examination” apply to graduate courses. In particular, the decision to allow or not to allow challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the college officer in charge of the graduate program to which the course applies.

Program Admission and Continuation Requirements

Application for Predictive Examinations: Predictive examination scores may be required by certain departments. With respect to those departments which stipulate as part of the admissions criteria performance scores from predictive examinations, it is necessary that application be made without delay to take the examination. Graduate 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, or the Graduate Admissions Office to secure the forms necessary to make application for taking the predictive examination called the GMAT. Every effort should be made to take the GMAT as soon as possible because students will not be given program status before the GMAT results are reported. Courses taken before the student is admitted (i.e., “Unclassified Status” courses) will not necessarily be allowed toward the MBA even if the student is admitted subsequently.

Students wishing to pursue graduate study in Geology, Geophysics, Interdisciplinary Studies, Public Administration, or Raptor Biology should contact the Graduate Admissions Office to secure application forms for taking the GRE.

Program Development Form: Graduate students with 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 with 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 completed Program Development Form with the Graduate College. 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 awarded.

Foreign Language Requirements: Language requirements are determined by the department concerned. If a foreign language is required, students must demonstrate that they possess a reading knowledge of a language specified by the department.

Thesis Requirements: The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. The final copy of the thesis must be reviewed by the student’s supervisory committee and submitted to the Dean of the Graduate College at least three weeks before commencement.

Candidacy: Students should apply for admission to candidacy and graduation as soon as they have completed twelve hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, have removed all listed deficiencies, and have met any specific foreign language requirements.

Candidacy involves specifying, on the appropriate form, the list of courses and projects which comprise the student’s program. Changes in the planned program after admission to candidacy must be recommended in writing by the student’s committee or advisor and be approved by the Dean of the Graduate College.

Final Examination Requirements: The requirements of a final examination, written, oral, or both, in any non-thesis non-project program is optional with the department or interdisciplinary unit which fields the student’s program. When the examination is required, it is administered by the unit concerned. The dates for these examinations are set by the Graduate 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 or she 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.

Course Numbering System: Courses numbered 500 and above are intended primarily for graduate students. Some graduate courses have a standard numbering system throughout the university.

University-Wide Numbers of Graduate Offerings:

<table>
<thead>
<tr>
<th>Numbering</th>
<th>Course Description</th>
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<tr>
<td>580-589</td>
<td>Selected Topics</td>
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<td>590</td>
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<td>Research and Thesis</td>
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<td>594</td>
<td>Extended Conference or Workshop (graded A through F)</td>
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<td>595</td>
<td>Reading and Conference</td>
</tr>
<tr>
<td>596</td>
<td>Directed Research</td>
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</tbody>
</table>
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. Master's programs may include directed research credits, at the discretion of the graduate student's supervising committee or professor, through a limit of nine credit hours, with no more than six credits in any one semester. Only three credits of Internship and/or Directed Research may be applied to the MBA degree requirements.

Undergraduate Courses for Graduate Credit: Courses numbered at the 300 or 400 levels, may be given 'G' designation to carry graduate credit. The department or school concerned will have the right to limit the number of '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 be in courses at the 300 or 400 level. No course numbered below 500 carries graduate credit unless the 'G' is affixed.

Graduate students enrolled in '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, Math/Geology Building, Room 118. This form, with all appropriate signatures, is to be submitted to the Graduate Office, Administration Building, Room 102 along with the $10.00 diploma fee. The form must be submitted by the deadline set each semester for applying for graduation. Check the Academic Calendar for the deadline date.

Master of Business Administration College of Business

Objectives
The objective of the Boise State University program leading to the graduate degree is to prepare candidates for top level administrative positions in their chosen field. The MBA degree emphasizes the traditional approach of preparing students for general management; with a common body of functional knowledge given to all students. Once a student satisfies the functional core of courses, electives are available for achieving a minor degree of concentration.

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 course work in basic fields of Business Administration. Students who have completed a Bachelor's degree in Business within the last five years 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 or her Bachelor's degree in non-Business fields such as the Sciences, Engineering and the Liberal Arts.

In addition to the application requirements of the Graduate College, all MBA applicants should submit:
1. a demonstration of written communication skills (particularly available from the MBA Program Coordinator); and
2. two letters of reference, one, preferably, from an academic source, and
3. current professional resume.

Specific Prerequisites for Applicants: All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrolling in advanced MBA classes. (New applicants for the programs should furnish documentary evidence of GMAT scores and copies of official transcripts upon initial application. For fall enrollment, the GMAT should be taken no later than the October or November test date.)

The requirements for admission attempt to recognize the differences among applicants with regard to experience and educational background.
1. Applicants to the MBA program must have graduated from an accredited college or university.
2. Acceptance is based on the applicant's previous college record, score on the GMAT, personal goals, leadership potential, and work experience.
3. A GMAT score of 475 and a cumulative GPA of 2.9 (C=2.0) are generally considered minimal.
4. For foreign students a score of 550 on the TOEFL, or its equivalent, is necessary.
5. Two years of significant work experience is expected but may be waived if the entrance committee determines the student will make a substantial contribution to the program.
6. A minimum GMAT score of 600 is required of students without two years significant work experience.
7. A student must be admitted to the MBA program in order to take MBA classes.
8. All applicants must be accepted by the Graduate College of Boise State University in order to achieve the Master degree.

Undergraduate students will no longer be allowed in MBA classes under the University's Permit for Seniors to Take Graduate Courses policy.

Application deadlines:
- Summer, Fall entry: April 30
- Spring entry: October 30

Degree Requirements

The MBA Degree

The Master of Business Administration degree consists of a maximum of 57 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.

Foundation Courses
- Electives
- Advanced Courses
- 27
- 21
- 9

Depending upon their undergraduate coursework, students may select 3-6 credit hours from the 400 level 'G' courses from the undergraduate College of Business program. Only those courses listed on the following pages are approved. Advisors should be consulted regarding those courses.

Under certain conditions with the approval of the MBA program coordinator and the Department head concerned, MBA students may earn up to a maximum of 3 credit hours of Directed Research and/or Internship credits which apply to graduation requirements.

Course Offerings

See page 20 for definition of course numbering system

MBA—Course 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 business school, such as would be the case if the student had completed a baccalaureate degree in business within the last five years.

AC 511 ACCOUNTING FOR MANAGERS (3-0-3X). The student can expect to develop a working knowledge of financial and managerial accounting tools, techniques and procedures.

EC 514 ECONOMIC THEORY AND ANALYSIS (3-0-3X). 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.

FI 525 CORPORATE FINANCE (3-0-3X). 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. PREREQ: AC 511, PR 513.
The relationships between the goals and the instruments of U.S. economic policy. Analysis to the justification, design and implementation of economic policy. The issues surrounding the need for public policy in a private property market. PREREQ: EC 514.

MBE—Elective Courses

AS 512 COMMUNICATION TECHNIQUES FOR MANAGERS (3-0-3)(F). Analysis of management communication requirements in business. Development of a critical sense and analytical ability through evaluation of research, reports, and case studies. Writing and speaking skills emphasized through written reports, oral presentation and small group activities.

EC 560 ECONOMICS OF PUBLIC POLICY (3-0-3)(F). 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.

Master of Arts in Communication

College of Social Sciences and Public Affairs

An MA in Communication includes a common core of courses required of all graduate students in Communication. Beyond the graduate core, students design their program of study by selecting from courses offered as Selected Topics in Communication and from courses approved for graduate credit throughout the university. The MA experience culminates in successful completion and defense of a Project (CM 591) or Thesis (CM 593).

Degree Requirements

Master of Arts in Communication

Graduate Studies in Communication CM 500

Communication Theory & Research CM 501

Graduate Studies in Communication CM 500

Communication Theory & Research CM 501
Course Offerings

See page 20 for definition of course numbering system

CM Course Descriptions

CM 500 GRADUATE STUDIES IN COMMUNICATION (3-0-3). Studies the history of communication, the modes of inquiry into communication, the contemporary structure of the field, and expectations about scholarly activity within the discipline.

CM 501 COMMUNICATION THEORY AND RESEARCH (3-0-3). Examines explanatory, interpretive and critical theories of scientific inquiry as they relate to the study of human communication. Examines the theory and methodology of qualitative and quantitative research into human communication. PREREQ: CM 500.

CM 580-589 SELECTED TOPICS IN COMMUNICATION (Variable credit). Intensive study of selected topics in each area. Specific course content will vary from semester to semester. Consult current class schedule for specific topics to be offered each semester. Courses may be repeated for a total of six credits in each course.

CM 580 SELECTED TOPICS — COMMUNICATION THEORY AND PHILOSOPHY
CM 581 SELECTED TOPICS — COMMUNICATION RESEARCH METHODOLOGY
CM 582 SELECTED TOPICS — COMMUNICATION EDUCATION
CM 583 SELECTED TOPICS — COMMUNICATION TECHNOLOGY
CM 584 SELECTED TOPICS — JOURNALISM AND MASS COMMUNICATION
CM 585 SELECTED TOPICS — COMMUNICATION LAW AND POLICY
CM 586 SELECTED TOPICS — COMMUNICATION AND PUBLIC AFFAIRS
CM 587 SELECTED TOPICS — ORGANIZATIONAL COMMUNICATION
CM 588 SELECTED TOPICS — INTERPERSONAL COMMUNICATION
CM 589 SELECTED TOPICS — COMMUNICATION HISTORY
CM 598 GRADUATE SEMINAR (1-0-1).

Upon selection of an approved project or thesis, the student will prepare a documentary and an oral report of the topic, defending it before fellow graduate students and faculty.

CM 590 PRACTICUM
CM 591 PROJECT
CM 592 COLLOQUIUM
CM 593 THESIS
CM 594 WORKSHOP
CM 595 READING AND CONFERENCE
CM 596 DIRECTED RESEARCH
CM 597 SPECIAL TOPICS
CM 598 SEMINAR

Master of Arts or Science in Education

College of Education

The College of Education offers two Master's degrees: Master of Arts or Science in Education and Master of Arts or Science in Exercise and Sport Studies.

The Associate Dean of the College of Education has been assigned the authority and responsibility for the overall administration and operation of the graduate programs in the College.

A Master's degree in Education with emphases in Art, Curriculum & Instruction, Early Childhood, Earth Science, Educational Technology, Mathematics, Reading and Special Education is presented through the Department of Teacher Education; the related subject departments 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, $15.00 application processing 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 each college or university which the applicant previously attended.

Admission will be granted to an applicant who holds a Bachelor's degree from an accredited college or university and who has some professional relationship to instruction. The candidate must show promise of meeting the standards set by the College of Education and participating departments as well as the specific regulations of the particular program for which he or she applies.

An applicant for regular status in the program must have attained 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 deemed appropriate.

The name of the faculty member who will serve as chairperson of the candidate's advisory committee is listed in the letter of acceptance to the candidate. Candidates should contact the assigned committee chairperson (adviser) as soon as possible in order to plan a program. Credits taken prior to such planning are subject to the approval of the committee chairperson and the Associate Dean of the College of Education.

A maximum of nine semester graduate credits may be accepted from other accredited 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 credits will be allowed in the degree program.

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 his or her program. The candidate in cooperation with the advisor, will choose courses which will meet the individual's program objectives.

Those students selecting one of the following areas of emphasis will follow the procedures set forth by respective departments: Art, Earth Science (Department of Geology/Geophysics), and Mathematics.

Graduate Core: The Graduate Core is required of all candidates for a Master of Arts or Science in Education, except those seeking the Educational Technology emphasis.

TE 570 Graduate Core-Issues in Education ................................ 3
TE 563 Conflicting Values in Education ..................................... 1
Elective Courses (Select two from the following) ......................... 2
TE 561 Law for the Classroom Teacher .................................... 1
TE 562 School Organization and Finance ................................ 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 573 Instructional Techniques—Elem School ............................ 1
TE 578 Parents in the Educational Process ............................... 1

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 emphases: 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 related to instruction, curriculum, or some other aspect of an educational program.
OPTION II
(Comprehensive Examination)

Graduate Core ........................................ 6
TE 559 Philosophy of Education
or ......................................................... 3
TE 551 Fundamentals of Educational Research
NOTE: Students selecting Option II are required to take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core, or TE 551 Fund. of Educational Research (3 credits).

Approved electives and specific requirements .................. 24
TOTAL ................................................. 33

A Comprehensive Written Examination is required at the end of the coursework. This examination is to be tailored by each candidate's committee specifically for that candidate following guidelines established by the department. After the candidate has written the examination, the committee will meet with the candidate to review the examination 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 Instructional Theory ................................ 3
4. Content area courses .................................... 9
5. Elective options (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 .................................. 3
   OR
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or ..................................................... 3
      TE 551 Fundamentals of Ed. Research
NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fund. of Educational Research (3 credits).

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 Develop .. 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
   OR
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or ..................................................... 3
      TE 551 Fundamentals of Ed. Research
NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fund. of Educational Research (3 credits).

Approved electives ..................................... 11-13
TOTAL ................................................. 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 Educ. Research .............. 3
      TE 591 or 593 Thesis or Project ..................... 6
   OR
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or ..................................................... 3
      TE 551 Fundamentals of Ed. Research
NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fundamentals of Educational Research (3 credits).

Reading electives ........................................ 9
Approved electives ..................................... 6
TOTAL ................................................. 33

NOTE: Completion of the required courses in the Master of Arts in Education, Reading emphasis may not qualify the candidate for a reading endorsement for state certification. With the assistance of his or her advisor, the candidate can select appropriate electives to meet certification requirements.

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 Educ. Research .............. 3
      TE 591 or 593 Thesis or Project ..................... 6
      Approved electives ................................ 3
   OR
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or ..................................................... 3
      TE 551 Fundamentals of Ed. Research
NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fundamentals of Educational Research (3 credits).

Reading electives ........................................ 9
Approved electives ..................................... 6
TOTAL ................................................. 33

NOTE: Completion of the required courses in the Master of Arts in Education, Reading emphasis may not qualify the candidate for a reading endorsement for state certification. With the assistance of his or her advisor, the candidate can select appropriate electives to meet certification requirements.

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
3. TE 515 Adv Theory of Inst Design in Spec Educ ...... 3
4. TE 523 Emotionally Disturbed Child in the Classroom ... 3
5. TE 590 Practicum: Special Education .................. 3
6. TE 534 Issues and Trends in Special Educ ............ 3
7. Option electives (choose I or II below)
   I. Thesis/Project
      TE 551 Fundamentals of Educ. Research .............. 3
      TE 591 or 593 Thesis or Project ..................... 6
   OR
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education
      or ..................................................... 3
      TE 551 Fundamentals of Ed. Research
NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fundamentals of Educational Research (3 credits).

Reading electives ........................................ 9
Approved electives ..................................... 6
TOTAL ................................................. 33

NOTE: Completion of the required courses in the Master of Arts in Education, Reading emphasis may not qualify the candidate for a reading endorsement for state certification. With the assistance of his or her advisor, the candidate can select appropriate electives to meet certification requirements.
Approved electives .............................................. 3

OR

II. Comprehensive Written Examination
   TE 559 Philosophy of Education
   or ......................................................................... 3
   TE 551 Fundamentals of Ed. Research

NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fundamentals of Educational Research (3 credits).

   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 590 Practicum: 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 .... 1
4. TE 523 Emotionally Disturbed 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
      OR
   II. Comprehensive Written Examination
      TE 559 Philosophy of Education ............................ 3
      or ......................................................................... 3
      TE 551 Fundamentals of Ed. Research

NOTE: Students electing Option II must take a research class, which may be TE 565 Interpreting Educational Research (1 credit) as part of core or TE 551 Fundamentals of Educational Research (3 credits).

   Approved electives .............................................. 9

Suggested Electives:
   TE 423G Teaching the Severely Handicapped ............... 3
   TE 450G Behavior Intervention Techniques ................. 3
   TE 546 Diagnosis & Eval in Early Childhood Ed ............ 3
   TE 547 Lang Acq & Develop in Early Child Ed ............. 3
   TE 590 Practicum: Special Education ....................... 3
   Advanced sign language class .................................. 3

TOTAL .................................................................. 33

NOTE: Completion of the required courses in the Master of Arts in Education, Special Education emphasis may not qualify the candidate for state certification. The candidate should seek the help of his or her advisor to determine certification requirements.

Master of Science in Education
Educational Technology

The Master of Science Degree in Education with an emphasis in Educational Technology is intended to prepare students to work in educational settings requiring expertise in improving performance, designing instruction, and using a variety of educational delivery systems. The emphasis of this program is to prepare professionals who know how to select and use a variety of technologies to produce long-term benefits for individuals and educational organizations.

This program includes 33 credits of course work which gives students a wide range of both theoretical and practical experiences. It culminates in the development of a project for a specific educational organization or a thesis investigating an important and timely issue.

Requirements:
1. IP 536 Intro Instructional Technology ........................ 3
2. IP 537 Instructional Design ..................................... 3
4. TE 582 Instructional Theory ..................................... 3
5. TE 538 Instructional Courseware Design ................. 3
6. IP/TE 583 Selected Topics-Educational Technology .... 3
7. IP 520 Video Delivery Systems ............................... 3
8. TE 591 Project or TE 593 Thesis .............................. 3

   Requirements sub-total ........................................... 27

Electives:

   Students are to take at least 6 credits of elective course work, with at least 3 credits recommended outside the College of Education.

Suggestions:
   Organizational Theory & Behavior MG 528 ............... 3
   Accounting for Managers AC 511 ............................ 3
   Communication Tech for Managers AS 512 ............... 3
   Public Policy Processes PA 501............................. 3
   Conflict & Change in Socio-Cult Systems SO 510 . .... 3
   Curr Plan & Implement TE 581 ............................... 3
   Artificial Intelligence Appli TE 539 .......................... 3
   Electives sub-total ................................................. 6

PROGRAM TOTAL ..................................................... 33

Second Master's Degree

A student who has earned a master's degree in Education from Boise State University may earn a second degree in another area of emphasis. Guidelines for the Award of a Second Master's Degree:

1. A candidate must meet all program requirements prescribed by the second master's curriculum.
2. Program requirements for the second degree that have already been met in the program for the first degree awarded may be counted toward the second degree at the discretion of the student's graduate committee.
3. A minimum of 21 credits of new course work shall be required for the second degree.
4. The seven-year time limit applies to all courses to be counted toward the second degree.

Planned Fifth Year

Purpose: Continuing education is a vital element in maintaining professional competence among teachers. Yet not all teachers desire the structure and demands imposed by a master's program. The purpose of the Planned Fifth Year is to enable and encourage teachers to further their professional growth and meet career goals through a planned and intellectually rigorous program of study. The goals of the program are largely determined by the candidate. The candidate may choose 1) to broaden or deepen knowledge and skills related to current teaching assignment or, 2) to seek an additional endorsement or advanced certification.

Admission Requirements

1. Be a certified teacher.
2. Meet the admission standards of graduate study (2.75 overall G.P.A. or 3.00 in the last two years of study.

Program Requirements

All students will complete thirty (30) credits including:

1. TE 582 Instructional Theory .................................. 3
2. Graduate Core OR TWO of the following courses .... 3
   TE 551 Fundamentals of Educational Research ......... 3
   TE 559 Philosophy of Education ............................ 3
   TE 581 Curriculum Planning and Implementation .... 3
3. A minimum of 9 credits of content courses ............... 9
4. Electives ............................................................ 12

TOTAL .................................................................. 30

   a. A minimum of 20 credits must be earned after admission.
   b. Transfer credits are limited to nine (9).
   c. A maximum of 10 credits may be undergraduate work.
   d. A maximum of 10 credits may be pass/fail.
   e. A maximum of 6 credits of 'C' grades will be accepted.
   f. Overall G.P.A. for the program must be 3.00.
   g. The program must be planned with an advisor and must be completed within seven years of the first credits applied to the program.
This is not a degree or certification program. If, as a result of coursework taken in the program, the candidate becomes eligible for a different certificate or endorsement, it is the candidates responsibility to make application to the State Department of Education.

**Course Offerings**

See page 20 for definition of course numbering system

**P PSYCHOLOGY**

- Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

P 412G PSYCHOLOGICAL MEASUREMENT (3-0-3)(F).

P 450G ADVANCED STATISTICAL METHODS (3-2-4)(S).

**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. Special emphasis will be given to group behavior in terms of principles relevant to educational objectives. PREREQ: P 101 and TE 225. Offered on demand.

P 505 PERSONALITY DEVELOPMENT (3-0-3). Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception and motivation. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued. PREREQ: P 101. Offered on demand.

P 506 ADVANCED SOCIAL PSYCHOLOGY (3-0-3)(F/S). Theoretical and empirical approaches to explaining behavior in social contexts. The course will focus both on the individual level (internal factors such as attributes, attributions, stereotypes, and self-perceptions, including those relevant to understanding psychopathology) and on the nature of social behavior in interactions (altruism, aggression, communication, influence, attraction, and intimacy). PREREQ: PERIMINST.

P 507 COGNITIVE PSYCHOLOGY (3-0-3)(F/S). The course will examine the fundamental principles of memory and thought, the experimental evidence to support these principles, and the theoretical perspectives used to understand them. Specific topics include pattern recognition, memory components and processes, concepts and categorization, and problem solving. PREREQ: PERIMINST.

**TE TEACHER EDUCATION**

- Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

P 407G READING IN THE CONTENT SUBJECTS (3-0-3)(F/SU).

P 423G TEACHING THE MODERATELY AND SEVERELY HANDICAPPED (3-0-3)(S).

P 450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3)(S).

P 463G INFANT EDUCATION (3-0-3)(S).

**Graduate**

P 501 FOUNDATIONS OF READING INSTRUCTION (3-0-3)(F/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.

P 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. Assessment is the crucial component of the course; it determines the instruction which the teacher provides. A case report will document the child's progress. PREREQ: TE 501 or PERIMINST.

P 503 CLINIC FOR READING SPECIALISTS (3-0-3). 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 PERIMINST.

P 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 506 or permission of instructor.

P 505 INDIVIDUAL TESTS & MEASUREMENTS (3-0-3). An in-depth investigation is pursued in the area of measurement theory followed by practical applications in individual testing and student diagnosis.

P 508 DIAGNOSIS AND CORRECTION OF READING PROBLEMS—SECONDARY (3-0-3)(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.

P 510 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING SOCIAL SCIENCE (3-0-3)(F). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of the program materials and media, and research findings basic to social studies will be developed.

**TE 511 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCHOOL MATHEMATICS (3-0-3).** Emphasis on creative methods and strategies for teaching elementary school mathematics. Also includes a review of current research, curriculum trends and exploration of experimentation with unique materials for teaching mathematics.

**TE 512 ADVANCED PRINCIPLES AND PRACTICES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3)(F).** Emphasis will be given to the role of language arts and linguistics in the school curriculum, stressing modern approaches to language development, semantics, students who experience various social and emotional concerns relating to learning. Major areas to be addressed will include theories and approaches to counseling and consulting, communication skills, intervention programs. PREREQ: GRAD or PERIMINST.

**TE 513 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCIENCE (3-0-3)(F).** Current practices and principles in modern elementary science concepts are developed. Emphasis is placed on the selection and organization of content and experimental activities.

**TE 514 COUNSELING/CONSULTING SKILLS FOR EDUCATORS (3-1-3)(F).** This course will cover the development of counseling and consulting skills for educators working with parents and other professionals. Instruction will focus on developing skills to work with students who experience various social and emotional concerns relating to learning. Major areas to be addressed will include theories and approaches to counseling and consulting, communication skills, intervention programs. PREREQ: TE 431 or PERIMINST.

**TE 515 ADVANCED THEORY OF INSTRUCTIONAL DESIGN FOR SPECIAL EDUCATORS (3-0-3)(F).** The course is designed to teach students advanced design concepts and directly apply these concepts in effective instruction. Emphasis is placed on the theoretical and programmatic considerations of instructional design. The course will include a field trip to a regular classroom teacher who wish to gain some knowledge in dealing with special students. PREREQ: TE 431 or PERIMINST.

**TE 516 TEACHING GIFTED AND TALENTED STUDENTS (3-0-3)(S).** Teachers and others working with the instructional needs of gifted and talented students will develop skills in the techniques of meeting the educational goals of these exceptional individuals. Methods and materials for this approach will be evaluated as to application and assessment.

**TE 517 SEMINAR ON THE SEVERELY HANDICAPPED LEARNER (3-0-3)(S).** This graduate level course is designed to facilitate student knowledge and skills in relation to teaching the severely handicapped learner. Emphasis is placed on research recognition, alternative instructional techniques and current professional issues in this field. PREREQ: TE 431 or PERIMINST.

**TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S).** Methods and techniques for encouraging creative writing in the elementary school.

**TE 519 ADVANCED STUDY OF CHILDREN'S LITERATURE (3-0-3)(S).** The course provides an in-depth literary analysis of children's literature from preschool to early adolescence, including multicultural literature. The course promotes development of children's literature activities for classroom, libraries, and other settings. Odd years.

**TE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(SU).** Methods and techniques for classroom and playground activities for physical education, curriculum development will be presented. Emphasis upon corrective physical education procedures will be given. Alternate years.

**TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(S).** Emphasis upon the individualized approach to reading instruction is developed. Techniques for conferencing, book selection, skill development and independent language arts activities are explored.

**TE 523 THE EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3)(S).** 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: PERIMINST.

**TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S).** A study of the development of children and adolescents in different cultures in comparative relationship to existing values. The lifestyle of various minority groups and implications for education will be examined. Major topics include: cultural differences; (1) learning styles, (2) media, (3) process of change. Idaho minority groups will be emphasized.

**TE 534 ISSUES & TRENDS IN SPECIAL EDUCATION (3-0-3)(S).** 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. Discussion will be based on research as well as current information in the field. PREREQ: GRAD or PERIMINST.

**TE 538 INSTRUCTIONAL COURSEWARE DESIGN (3-0-3)(S).** Students will design instruction with the assistance of a microcomputer and link the instruction with video technology. Students will investigate several authoring languages to facilitate the development and delivery of instruction. PREREQ: IP 537.
TE 541 EDUCATION IN EMERGING NATIONS (3-0-3)(F). The course provides an analysis of the relationship between national goals and the educational system in the twentieth century. Contemporary systems will be studied in light of three major factors: (1) religious factors; (2) natural factors such as race, language and environment; (3) secular factors such as Humanism, Socialism and Nationalism.

TE 543 EARLY CHILDHOOD: READINGS (3-0-3)(S). 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 (3-0-3)(F). The student will examine in depth the physical, social-emotional, cognitive-language, and creative development of children, birth to age eight.

TE 546 EARLY CHILDHOOD: ENVIRONMENTS AND PROGRAMS (3-0-3)(S). The student will examine critical elements in the development and administration of 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 (3-0-3)(F). 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 549 COUNSELING TECHNIQUES FOR CHEMICAL DEPENDENCY (3-0-3)(F/S). A study of counseling techniques and practices used in dealing with people of all ages who are chemically dependent. Special attention will be paid to the impact of chemical dependency in family members and facility and treatment strategies for adolescents. This course may be taken for either H or TE but not both.

TE 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH (3-0-3)(F/S). This course will introduce students to the elements of experimental and non-experimental research designs. Instruction in using research resources and interpreting statistics will be given and students will analyze current research related to education. Students will learn how to develop a research proposal and will write a scholarly research paper.

TE 555 SUPERVISION OF INSTRUCTIONAL PERSONNEL (3-0-3)(S). A course designed to improve the supervision skills of elementary/secondary cooperating teachers and other supervisory personnel. Emphasis will be placed on a variety of observation and evaluation strategies designed to improve instruction.

TE 559 PHILOSOPHY OF EDUCATION (3-0-3)(S). Students will analyze and evaluate past and contemporary philosophies and the values derived from them as they apply to education. A formal paper will be required.

TE 561 SCHOOL LAW FOR THE CLASSROOM TEACHER (1-0-1)(S). This course will provide school personnel with an overview of school law designed to help them be 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.

TE 562 SCHOOL ORGANIZATION AND FINANCE (1-0-1)(S). 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.

TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(S). Students will explore ideological positions that have shaped the instructional 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.

TE 564 INSTRUCTIONAL TECHNIQUES—SECONDARY SCHOOLS (1-0-1)(S). In this course, students will investigate instructional techniques which have sound basis in research and theory and which promote development of thinking skills in students.

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(S). 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.

TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(S). Students will investigate major contemporary learning theories and their implications for instruction and curriculum development.

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(S). This course will explore approaches to effectively working with students in elementary and secondary classrooms. Skill development and theoretical considerations related to developing healthy and productive learning environments will be emphasized.

TE 569 TESTING AND GRADING (1-0-1)(S). 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.

TE 570 GRADUATE CORE ISSUES IN EDUCATION (3-0-3)(S). 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 education.

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.

TE 576 FUNDAMENTALS OF BILINGUAL EDUCATION/ESL (3-0-3)(DEMAND). This course is designed to give experienced teachers a study of Bilingual Education and English as a Second Language. Students study the historical and cultural foundations, the current legal issues, psycholinguistic research, issues in language assessment, and biocognitive processes. Also presented are the prevalent methodologies and approaches used throughout the country. Offered on demand.

TE 578 PARENTS IN THE EDUCATIONAL PROCESS (1-0-1)(S). This course will give students a broad understanding of the role of parents in education and the role of the teacher in initiating and/or implementing parental involvement. Particular attention will be given to ways of involving parents who typically do not participate in the educational process.

TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3)(F/S). This is a general course for practicing teachers intended to give them a foundation in curriculum theory and practice. They will develop understanding of how curriculum is developed, organized, implemented and evaluated. Current issues and trends in curriculum with some historical perspective will be explored.

TE 582 INSTRUCTIONAL THEORY (3-0-3)(F/S). This course includes investigations of research and theory about educational contexts, motivation, learning and development as they relate to models of instruction. Students will develop skills in selecting appropriate instructional models to achieve specific purposes in a variety of educational settings.

TE 590 PRACTICUM (Variable).

TE 591 PROJECT (0-0-6).

TE 593 THESIS (0-0-6).

Master of Arts in Education—Art Emphasis

1. The Master's Degree in Education, Art Emphasis, is designed to meet the needs of art specialists.

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 for pursuing graduate study.
   b. A minimum of twenty (20) slides or portfolio of recent art work.
   c. A statement of the student's professional objectives and philosophy of art education and how these will be furthered by graduate study.

3. Program areas of study are as follows:
   a. Required Courses:
      Art Appreciation in the Educational Program AR 501 ............. 3
      Special Methods: Curr & Develop in Art Educ AR 551 ............. 3
      Project AR 591 ........................................ 6
      or
      Thesis (or additional hours) AR 593 .............................. 6
      Education Core courses ....................................... 6

   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

See page 20 for definition of course numbering system

AR ART

AR 501 ART APPRECIATION IN THE EDUCATIONAL PROGRAM (3-0-3)(F). Emphasis will be placed on understanding the motivations behind interpretation of ideas and symbols. Also emphasized will be communication of this understanding to the various age groups represented on the secondary school level. PREREQ: Graduate status or PERMISSION.

AR 521 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-2)(SU). (Previously approved for Elementary Master's Degree.) Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as written paper. PREREQ: Graduate standing. Summers only by request.

AR 522 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-3)(SU). Varied and unusual experimental art media to be used in conjunction with individual
teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to the teaching experiences. Some outside reading will be required, as well as a written paper. PREREQ: Graduate standing. Sum- mers only by request. Alternate years.

AR 551 SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION (3-0-3)(F). Designed for the secondary school art teacher, this course will be geared to creative curriculum planning. It will be held in a workshop seminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. PREREQ: Graduate status and PERM/INST.

AR 550-559 SERIES SELECTED TOPICS (3-0). 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 seven 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—SCULPTURE.

AR 583 SELECTED TOPICS—PHOTOGRAPHY.

AR 584 SELECTED TOPICS—SCULPTURE.

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.

1. A scholarly paper embodying results of original research which are used to substantiate a specific view.
2. Art show with a full faculty review.
3. A submitted portfolio of work with a full faculty review.

PREREQ: Graduate status.

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:

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 a written form which could be considered for implementation in the schools.

PREREQ: Graduate status.

AR 598 SEMINAR IN ART (3-0-3s). (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 Science in Education—Earth Science Emphasis

The curriculum for the Master of Science in Education, Earth Science emphasis, stresses current developments in the earth science disciplines. In addition to subject matter knowledge emphasis is placed on the varied methods that can be used for teaching earth science. Because of the varied backgrounds of candidates, the course offerings are designed to allow flexibility in planning individual programs. A preliminary examination, oral or written, will be administered to each candidate.

Required courses include the Graduate Core, and a 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 the graduate committee. A final comprehensive oral and/or written examination over course work and the thesis or project is required.

Course Offerings

See page 20 for definition of course numbering system

GO GEOLOGY

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses that may be taken for graduate credit.

GO 403G ENGINEERING GEOLOGY (2-3-3)(S)(Field trip required).

GO 412G HYDROGEOLOGY (3-0-3)(S)(Field trip required).

GO 460G VOLCANOLOGY (2-0-2)(F)(Field trip)(odd years).

GO 471G REGIONAL FIELD STUDY (1, 2, or 3 CRH/SSU).

Master of Arts or Science in Education

Graduate

GO 502 GREAT MYSTERIES OF THE EARTH (3-0-3)(F). The Earth abounds with mysteries that are seemingly related to natural phenomena. Lost continents, UFO's, Loch Ness Monster, Bermuda Triangle, Big Foot, ancient astronauts, witching, and other mysteries, both real and contrived as discussed in terms of evidence and interpretation in the context of natural laws and processes. Techniques and analytical instruments are applied to develop critical thinking. PREREQ: Graduate standing and PERM/INST.

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 reports required, field trips required. This course can be taken for undergraduate credit by filing necessary forms. PREREQ: GO 221 or PH 220.

GO 514 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F)(Alternate years). Geometric, kinematic and dynamic analysis of plutonic rocks and metamorphic tectonics. Structural elements in plutons, their formation and interpretation as indicators of the tectonic environment during emplacement. Mesoscopic and microscopic study of rock fabrics, the mechanisms and processes of their formation and deformation, and their use as kinematic and strain indicators. PREREQ: GO 310, GO 314, GO 323 and GO 324 or PERM/INST.

GO 523 ADVANCED IGNEOUS PETROLOGY (3-0-3)(S)(Odd years). A study of igneous rocks with emphasis on their origin and the processes responsible for their diversity. Exercises will make use of the petrographic microscope and the departmental computer facilities. A field trip is required. PREREQ: GO 323, GO 324, C 131.

GO 531 REGIONAL GEOLOGY OF NORTH AMERICA (3-0-3). A systematic study of the geologic provinces of North America with special emphasis on geological relationships and tectonic evolution. Each province is investigated in terms of its structural and geologic history and mineral resources. PREREQ: Graduate status or PERM/INST.

GO 561 EARTH SCIENCE TEACHING TECHNIQUES (3-0-3 or 4-0-3)(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 a student with internship experience in the laboratory and lecture classroom. PREREQ: Graduate status or PERM/INST.

GO 571 GEOCHEMISTRY (3-0-3)(S). Chemical equilibrium applied to natural water systems. Oxidation and reduction in sedimentation and ore genesis, methods of exploration geochemistry, crystalization of magmas, ore-forming solutions, isotope geochemistry. This course can be taken for undergraduate credit by filing necessary forms. Field trip required. PREREQ: GO 101, C 133, M 284.

GO 591 PROJECT (7-3 to 9-6). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. PREREQ: Graduate status and 15 credits in Earth Science or PERM/INST.

GO 593 THESIS (0-3 to 0-5). The scholarly pursuit of original work on a field or laboratory project or the formulation of new and logical interpretations of existing data collected by library research. A final report suitable for presentation at a meeting of Earth Science professionals is required. PREREQ: Admission to candidacy.

GO 596 DIRECTED RESEARCH (0-1 to 0-4). Field, laboratory or library research project. Students may work on an individual problem or select a problem from a list provided by the instructor. Weekly progress meetings, final report. PREREQ: Physical Geology or Fundamentals of Geology and/or PERM/INST.

GO 598 GRADUATE SEMINAR (0-1 to 0-3). The preparation and presentation of oral and written reports on topics in earth science and related sciences. Presentation of oral reports may take the form of debate. Preparation of visual aids and geologic illustrations will be emphasized. PREREQ: Admission to candidacy or PERM/INST.

GS GENERAL SCIENCE

GS 501 HISTORY OF SCIENCE (3-0-3)(F/S). This is a survey of humanity's efforts to understand the natural world. "Ancient Science" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is presented with emphasis on 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 Science in Education—Mathematics Emphasis

This degree requires 30 hours of coursework, including the Graduate Core in Education (see page 187), a mathematics sequence and seminar, and electives in mathematics and other areas chosen in consultation with a committee. The student must complete all requirements in item 1 below, plus those in one of the three options 2a, 2b, or 2c.
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 503 THE TEACHING OF ALGEBRA (3-0-3). Contemporary approaches to teaching secondary school algebra; treatment of selected topics in modern algebra; methods and materials; research relevant to the teaching of algebra. PREREQ: M 302.

M 504 THE TEACHING OF GEOMETRY (3-0-3). Contemporary approaches to teaching secondary school geometry; treatment of selected topics in geometry; methods and materials; research relevant to the teaching of geometry. PREREQ: M 311.

M 505 FOUNDATIONS OF MATHEMATICS (3-0-3). The axiomatic method and its role in modern mathematics. The role of the theories of sets and groups in the development of mathematics. Modern philosophies of mathematics. PREREQ: M 302 or PERM/INST.

M 511 GENERAL TOPOLOGY (3-0-3). Set separation axioms, topologies, connectedness, compactness, generalized convergence, continuity, product spaces. PREREQ: M 401 or M 501 or PERM/INST.

M 541-542 ABSTRACT ALGEBRA I, II (3-0-3). Mappings, the integers, groups, 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 school. 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 564 MATHEMATICAL MODELING (3-0-3)(5). 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 CS 122 or PERM/INST.

M 571 MATHEMATICS 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. PREREQ: 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; curriculum with teaching materials. PREREQ: The student must be admitted to candidacy.

Mathematics for Operations Research (4-0-4)(F/S). The mathematics techniques used to solve problems involving several variables. Linear systems, matrices, linear programming with the simplex method, differential and integral calculus with emphasis on applications in management decision situations. PREREQ: PERM/INST.

Graduate Credits In Chemistry

There are 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

See page 20 for definition of course numbering system

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

C 401G-402G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F).

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


C 456G LINEAR PROGRAMMING (4-0-4)(S).

Graduate

C 401 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, mass spectroscopy. Emphasis will be placed on use of instruments and interpretation of spectra. Prior knowledge of spectroscopy not required. PREREQ: Eight hours of general chemistry and six hours of organic chemistry. Offered on demand.

C 509 CHEMISTRY OF LIFE PROCESSES (3-0-3). The course introduces the student to basic concepts of biochemistry associated with a coverage of current topics ranging from allied health field areas to environmental chemistry. Classroom demonstration material will be correlated with lecture material. PREREQ: One year of general chemistry and organic chemistry. Offered on demand.

C 511 ADVANCED ANALYTICAL CHEMISTRY (3-0-3). Stoichiometry involved in separations and instrumental methods of analysis. The course will be flexible in nature, presented to the various background of the expected students. PREREQ: Quantitative Analytical Chemistry of PERM/INST. Offered on demand.

C 515 NUCLEAR AND RADIOCHEMISTRY (3-0-3). Atomic and nuclear structure, radioactivity, nuclear reactions, radioactive decay laws, interaction of radiation with matter, detection chemistry. Offered on demand.
Master of Arts in English
College of Arts and Sciences

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

Program Requirements

The course of study for the Master of Arts in English will consist of a minimum of 33 hours to be chosen by the students and their advisory committee from one of two alternatives.

1. An introductory seminar, twelve hours of graduate English courses and fifteen general graduate electives. At least nine hours of the English courses must be at the 500 level.

   E 500 Introductory Seminar (3-0-3) (F/S)
   Graduate English electives (except E 501) ................................. 15
   *General Graduate electives (may include E 501) .......................... 12
   TOTAL .......................... 33

2. An introductory seminar, fifteen hours of graduate English courses and fifteen general graduate electives and a comprehensive exam. At least nine hours of the English Courses must be at the 500 level.

   E 500 Introductory Seminar (3-0-3) (F/S)
   Graduate English electives (except E 501) ................................. 15
   *General Graduate Elective (may include E 501) ........................... 15
   Comprehensive Exam (Not credit related) ...................................... 0
   TOTAL .......................... 33

*Students wishing an Advanced Secondary Certificate should take at least 9 credits in the College of Education.

The introductory Seminar (E 500) is prerequisite to other 500 level seminars. However, with the consent of the student's committee, the student may concurrently take another seminar. With the exception of E 501 and E 597, all seminars will be in specified areas of American and British literature and linguistics, though they may cover influences from other literatures. A maximum of 6 hours in 400C English courses may be substituted for seminar work in the English core. E 501 may be taken as a general elective, but may not be counted toward a student's English core.

Since the content of courses E 510, 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

See page 20 for definition of course numbering system

ENGLISH

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

E 412G Women Writers (3-0-3) (S)
E 487G Modern British and American Poetry (3-0-3) (S)
E 488G Methods and Theories of Literary Criticism (3-0-3) (S)

Graduate

E 500 Introductory Seminar (3-0-3) (F/S). An introduction to bibliography and orientation to sources of information. Students research a concept or problem in literature or writing under supervision. PREREQ: Admission to graduate program or PERM/CHAIR.

E 501 Teaching of Writing (3-0-3) (F/S). Theories and methods of teaching writing for experienced teachers. Special emphasis on discovery of 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/CHAIR.

E 502 Advanced Technical and Professional Writing (3-0-3) (S). Advanced work in the researching, writing, editing, and designing of technical documents. Major projects are related to each student's field of interest. Topics of study include editing technical documents, audience analysis, graphic design, and the rhetoric of technical writing. PREREQ: E 202 or PERM/INST.

E 503 Technical Editing (3-0-3) (F). Advanced course in the editing of technical documents. Major projects are related to each student's field of interest. Topics of study include the theory and ethics of editing, as well as text screening, copywriting, typemarking, keying, troubleshooting, and graphics. PREREQ: E 502 or PERM/INST.

E 505 Linguistics (3-0-3) (F). Modern linguistic theories and their application to literature and teaching English. An examination of how various grammatical models represent the complexities of language sound, sequence, and structure. Application of theory to language at work. PREREQ: E 500 and LI 305 or equivalent or PERM/CHAIR.

E 508 Writing for the Market (3-0-3) (F). A writing course which studies literary journals, trade journals, and little magazines, contrasts the slick of the popular magazines market, and looks at tradebook publication with the intention of preparing the student to complete manuscripts for publication. PREREQ: An advanced writing course or PERM/INST.

E 509 Book Arts (3-0-3) (F). A historical survey of various aspects of bookmaking, including papermaking, typography, printing, binding, and desktop publishing, as well as book distribution/marketing, and production of artist's and fine press bookworks. Course culminates in production of a classroom edition of each student's original writings or art works in an appropriate format devised by the student. PREREQ: E 305 or E 306 or PERM/INST.

E 510 Major Author (3-0-3) (F). A consideration of minor and major artistic creations of an author with attention devoted to major influences on the writer and his/her influences on others. Aspects of investigation to include the life of the author and its relationship to his/her work, the society and culture of the times, his/her place in the literature in the genre in which he/she worked, his/her use or disregard of tradition, as well as an investigation of contemporary criticism and critical evaluation since the writer's time. PREREQ: E 500 or PERM/CHAIR. (Repeatable for credit.)

E 520 Genre (3-0-3) (F). 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/CHAIR. (Repeatable for credit)

E 525 Creative Writing Workshop (3-0-3) (F). An advanced workshop in poetry and fiction. Students will study the form and theory of poetry and fiction from the perspective of practicing writers and will apply these principles to the analysis and criticism of one another's work. PREREQ: E 305, 306, or PERM/INST.

E 530 Period (3-0-3) (F). A study of a selected chronological period of American or British literature with focus on major authors, genres, or topic. PREREQ: E 500 or PERM/CHAIR. (Repeatable for credit)

E 540 Myth in Literature (3-0-3) (F). 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, and of myths in the works of major authors may be explored. PREREQ: E 500 or PERM/CHAIR. (Repeatable for credit)

E 550 Literature and Culture (3-0-3) (F). 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/CHAIR. (Repeatable for credit)

E 554 Introduction to Applied Research and Projects in the English Language Arts (3-0-3) (F). Methods of and approaches to conducting applied research in classrooms and the workplace and developing projects in the English Language Arts from such research. This course is recommended for students electing the project option for the M.A. in English. Intended primarily for classroom teachers, the course is appropriate for others who offer instruction, including technical writing trainers and teachers of literacy in GED centers, workplace literacy projects, and community education projects. PREREQ: E 501 or E 581 or PERM/CHAIR.

E 560 Folklore (3-0-3) (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/CHAIR. (Repeatable for credit)

E 561 Theories of Rhetoric and Composition (3-0-3) (F). A study of the theoretical context of current writing and writing pedagogy. Influential theories of invention, arrangement, and style, from ancient and modern times, are examined and compared. Special attention is paid to the relationships of current rhetorical and cognitive theories to writing processes and written products. PREREQ: Admission to Graduate Program or PERM/CHAIR.

E 570 Literary Movements (3-0-3) (F). A focus on a significant literary movement, the works of its major and minor contributors, its theories and its practice, its relation to its time, its place in literary history, its influence on writers past and present. PREREQ: E 500 or PERM/CHAIR. (Repeatable for credit)

E 581 Literature for Use in Junior and Senior High Schools (3-0-3). A literature content course for prospective teachers of secondary school English. Primary emphasis is on critical reading of literature for adolescent in secondary
Master of Science in Exercise and Sport Studies
College of Education

Objectives

The objective of this program is to provide a scholarly approach to the academic discipline of exercise and sport studies. Along with the required core, students will elect an area of focus from the scientific or behavioral dimensions and culminate their study with some form of scholarly endeavor (project or thesis).

Degree Requirements

Master of Science in Exercise and Sport Studies

CORE REQUIREMENTS 15 CREDITS

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<th>Course Title</th>
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<tr>
<td>Functional Anatomy PE 500</td>
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<tr>
<td>Physiology of Activity PE 510</td>
<td>3</td>
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<tr>
<td>Biomechanics PE 520</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Exercise &amp; Sport PE 530</td>
<td>3</td>
</tr>
<tr>
<td>Motor Learning PE 560</td>
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RESEARCH TOOLS 6 CREDITS

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<tr>
<td>Advanced Statistical Methods P 405G</td>
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<tr>
<td>Stat Meth in Physical Education TE 551</td>
<td>3</td>
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<tr>
<td>Fund of Educational Research TE 551</td>
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<td>Research Design in Phy Educ PE 551</td>
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ELECTIVES 6-9 CREDITS

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<tr>
<td>Psych/Soc Aspects of Act PE 401G</td>
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<tr>
<td>Adv Athletic Training PE 402G</td>
<td>3</td>
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<tr>
<td>Exercise Physiology Lab PE 515</td>
<td>3</td>
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<tr>
<td>Mechanical Analysis of Motor Act PE 525</td>
<td>3</td>
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<tr>
<td>Sociology of Exercise &amp; Sport PE 535</td>
<td>3</td>
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<tr>
<td>Appr Prin of Conditioning PE 540</td>
<td>3</td>
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<tr>
<td>Exercise Testing &amp; Prescription PE 545</td>
<td>3</td>
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<tr>
<td>Philosophy of Exercise &amp; Sport PE 550</td>
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<td>Health Promotion PE 570</td>
<td>3</td>
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<td>Computers in Exercise &amp; Sport PE 575</td>
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<td>Practicum PE 590</td>
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<td>Directed Research PE 596</td>
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<td><strong>TOTAL</strong></td>
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</table>
Cooperative MPE degree in Athletic Administration between ISU and BSU (students would be limited to taking a maximum of 15 BSU credits, subject to approval from their ISU advisor).

**Course Requirements**

**Leadership & Management HPE 605 (AA 505) .................................................. 3**

**Philosophy of Athletics PE 615 (AA 515 or PE 550) ........................................... 3**

**Athletics & the Law PE 631 (AA 531) .............................................................. 2**

**Management of Athletics PE 635 (AA 535) ...................................................... 3**

**Research & Writing HPE 640 (AA 540 or PE 551) .............................................. 3**

**Issues in Administration HPE 649 (AA 549) ....................................................... 3**

**Thesis Option**

**Thesis HPE 650 (AA 550) ................................................................. 6**

**Approved Electives ................................................................. 7**

**Non-Thesis Option**

**Advanced Theory of Competitive Coaching PE 610 (AA 510 or PE 530) ........... 3**

**Sports Medicine PE 645 (AA 545) ......................................................... 2**

**Approved Electives .............................................. 11**

**Master of Science, Geology**

**College of Arts and Sciences**

A Cooperative Graduate Studies Program

Boise State University and Idaho State University have a cooperative agreement which allows students to obtain a Master of Science degree and complete all but 12 credit hours while in residence at BSU. 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. The student may include one or more fields in their studies, such as biostatigraphy, tectonic geology, environmental geology, geomorphology, exploration geophysics, hydrogeology, mineral exploration, ore deposits, paleontology, petrography and petrology of igneous rocks, stratigraphy, structural geology, shallow subsurface seismic, and volcanic stratigraphy. University of Idaho hydrology courses taken at BSU may also be counted toward the cooperative MS degree.

**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 based on grade point, GRE scores and letters of recommendation 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 the Department of Geosciences, Boise State University, 1910 University Drive, Boise, ID 83725 or from the Chairperson, Department of Geology, Idaho State University.

**Course Offerings**

- GO 403G Engineering Geology
- GO 410G Exploration Well Logging
- GO 412G Hydrology
- GO 431G Petroleum Geology
- GO 460G Volcanology
- GO 471G Regional Field Geology
- GO 511 Environmental Geology
- GO 514 Advanced Structural Geology
- GO 523 Advanced Igneous Petrology
- GO 531 Regional Geology of North America
Credit Requirements: The BSU Master of Science in geophysics requires 30 semester credits distributed as follows:

A. 12 credits in BSU GP 500-level geophysics courses (see selection below).
B. 6 credits for research leading to a written thesis (BSU GP 593).
C. 12 additional credits in courses approved by the supervisory committee (normally selected from geophysics, geology, hydrology, engineering, physics, mathematics, chemistry, or economics/business).

A maximum of 9 transfer credits from institutions other than Uol and ISU may be applied to meet requirement C; all 12 credits of requirement C may be satisfied with transfer credits from Uol and/or ISU. Transfer credits may not be used for requirements A or B except that a maximum of 6 credits of requirement A may be satisfied with Uol 500-level geophysics courses. Certain courses are normally ineligible for requirements A and C including courses applied to a previously obtained degree, courses used to meet admission requirements, and courses required to remedy background deficiencies. In all cases the courses applied to meet the credit requirements must be approved by the chairman of the student's supervisory committee, and the majority of the 30-credit total requirement (i.e., at least 16 credits) must be earned in residence at BSU.

Thesis Requirements: A thesis representing research of sufficient quality to warrant publication in a peer-reviewed journal is required of all candidates for the Master of Science in geophysics. Actual publication is not required, but is held out as a goal for all graduate students. The final written thesis must be approved by the supervisory committee and the research results must be presented at a formal public defense.

Graduate College Requirements: The general requirements of the BSU Graduate College also govern the Master of Science in geophysics degree program.

BSU Course Offerings

See page 20 for definition of course numbering system

GP GEOPHYSICS
See appropriate department listing for detailed description of undergraduate courses (400G level) which may be taken for graduate credit.

GP 410G EXPLORATION WELL LOGGING (2-3-3)(F).

GP 420G GEOPHYSICAL APPLICATIONS OF DIGITAL SIGNAL PROCESSING (3-0-3)(S).

GP 439G MATHEMATICAL MODELING IN GEOPHYSICS (3-0-3)(S).

Graduate

GP 510 INTEGRATED GEOLOGY AND GEOPHYSICS IN PETROLEUM, MINERAL AND GROUNDWATER EXPLORATION AND DEVELOPMENT (4-0-4)(F). Role of integrated geological and geophysical methods in the design and implementation of natural resource exploration and development projects. Emphasis depends on class interests, but typical examples will be drawn from petroleum, mineral, and groundwater industries. Requires extensive outside reading and study of case histories. Project and report required. PREREQ: GPRM/INST.

GP 515 STRATIGRAPHIC INTERPRETATION OF SEISMIC DATA (3-0-3)(S). Seismic sequence and seismic facies analysis, isochronous reflections, seismic stratigraphy of depositional systems, sea level cycles, seismic modeling, hydrocarbon indicators, lithology from velocity and seismic amplitude with offset, use of shear waves and vertical seismic profiling. Interpretation project involving seismic modeling. PREREQ: GP 330G.

GP 520 ENGINEERING GEOPHYSICS (3-0-3)(F). Geophysical techniques applied to the evaluation of shallow subsurface structure and physical properties at engineering, industrial, waste disposal, and construction sites. Application of high-resolution geophysical methods to problems in seismic hazards, groundwater, hazardous waste, land subsidence, construction of critical facilities and landslides. Field and laboratory exercises. PREREQ: GP 301, GP 410G.


GP 530 INVERSION THEORY AND GEOPHYSICAL APPLICATIONS (3-0-3)(S). Backus-Gilbert theory; objective functions and relation to distribution of measurements error; linear least squares including linearization of forward problem, eigenvalue decomposition, generalized inverse, statistics. Nonlinear op-
timization including grid search, Monte Carlo method, iterative methods. Examples selected from geophysical applications. Computer laboratory exercises. PREREQ: GP 301, M 331. Offered alternate years.

**GP 535 TECTONOPHYSICS (3-0-3)**. Application of physics and mathematics to the investigation of tectonic processes. Basic continuum mechanics, heat transfer, and fluid mechanics. Elastic flexure of the lithosphere, cooling of oceanic lithosphere, thermal and subsidence history of sedimentary basins, frictional heating on faults, thermal structure of subducted lithosphere, isostatic compensation, postglacial rebound, creep in rocks, mantle convection. Project and report required. PREREQ: PERM/INST.


### Uol Course Offerings

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Geoph 502</td>
<td>Directed Study</td>
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</tr>
<tr>
<td>Geoph 520</td>
<td>Exploration Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>Geoph 521</td>
<td>Mining Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>Geoph 523</td>
<td>Seismic Stratigraphy</td>
<td>3</td>
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<tr>
<td>Geoph/Geol 540</td>
<td>Probabilistic Methods</td>
<td>3</td>
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<td>Geoph/Geol 590</td>
<td>Isotopes</td>
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<td>Geoph/Min 503</td>
<td>Photogeology</td>
<td>3</td>
</tr>
<tr>
<td>Geoph/Min 504</td>
<td>Advanced Rock Mechanics</td>
<td>3</td>
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</tbody>
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### Master of Arts in History

#### College of Social Sciences and Public Affairs

**Objective**

The Master of Arts in History at Boise State University is designed to provide the candidates with advanced study in the area of history.

#### Admissions

Application for admission to the graduate program in History 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, $15.00 application processing 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. Applicants are also required to submit two letters of recommendation regarding the applicant's potential for graduate work in history, and a sample of the applicant's writing skills.

Admission will be granted to applicants who hold a Bachelor's degree in History from an accredited institution or who have a strong history background in their degree. Those students without a strong history background may be required to remove deficiencies before admission. Applicants for regular status in the program must have maintained a GPA of at least 3.00 overall; a 3.20 overall in the last two years; and a 3.20 in history for the last two years of undergraduate study. Students not meeting minimum requirements for regular status are encouraged to apply for provisional status.

The department offers the following fields of emphasis in the program: American, European, Third World and thematic areas such as women, religion, public, and diplomatic. Applicants must be aware that some fields of emphasis require foreign language skills or some other research tool.

#### Program Requirements

The Master of Arts in History will consist of a minimum of thirty-three hours planned by the student and his/her advisory committee from the following alternatives.

1. **Option 1:** 33 hours with thesis
   - Core: 6
   - Major field: 12
   - Minor field: 9
   - Thesis: 6

2. **Option 2:** 33 hours with project
   - Core: 6
   - Major field: 15
   - Minor field: 9
   - Project: 3

**REQUIRED COURSES (CORE):** All students must take HY 500 Historians and Historical Interpretations, 3 credits. Depending on students' major field they must choose one course from the following:

- Sources of American Values HY 520
- Sources of Western Traditions HY 512
- 3 in courses of Nonwestern Traditions HY 513
- 3

A maximum of six hours in 300G or 400G History courses may be substituted for seminar work in the History offerings. Elective courses are additional courses from History or allied fields as planned by the student and his/her graduate committee to meet program requirements.

#### Course Offerings

See page 20 for definition of course numbering system

**HY HISTORY**

**Undergraduate**

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

**HY 334G UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)**

**HY 423G EUROPEAN DIPLOMATIC HISTORY 1871—PRESENT (3-0-3)**

**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. Emphasis is on the interpretation of history. Oral and written participation and a major paper are required. PREREQ: Admission to graduate program or PERM/CHAIR.

**HY 512 SOURCES OF WESTERN THOUGHT (3-0-3)**. Selected topics in the History of Western Thought beginning with the Classical Greeks through the present era. A study of intellectual and cultural trends reflected in the Western philosophical tradition, both secular and religious. PREREQ: Admission to the graduate program or PERM/CHAIR.

**HY 513 SOURCES OF NONWESTERN TRADITION (3-0-3)**. Selected topics dealing with the problems and possibilities of the historical study of societies other than one's own, with special reference to Africa, Asia and Latin America. PREREQ: Admission to the graduate program or PERM/CHAIR.

**HY 520 SOURCES 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 an exploration of American values on the eve of the Civil War; laissez-faire capitalism thereafter and the reaction to industrialism. PREREQ: Admission to graduate program or PERM/CHAIR.

**HY 580 GRADUATE SEMINAR IN U.S. HISTORY (3-0-3)**. A study of the principal themes or problems with well-defined periods of particular fields of U.S. History. Emphasis will be placed in reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. PREREQ: Admission to the graduate program or PERM/CHAIR.

**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/CHAIR.

**HY 582 SEMINAR IN THIRD WORLD HISTORY (3-0-3)**. Critical analysis of source materials and historical literature on a topic of restricted scope in Third World history. Primary emphasis will be placed on reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. PREREQ: Admission to the graduate program or PERM/CHAIR.

**HY 590 PRACTICUM**

**HY 591 PROJECT (2 credits)**

**HY 592 HISTORY COLLOQUIUM (3 credits)**

**HY 593 RESEARCH AND THESIS (6 credits)**

**HY 594 WORKSHOP**

**HY 595 READING AND CONFERENCE (Variable 1 to 3)**. This is a rigorous reading course designed to fit the personal interests of the student in collaboration with the directing faculty member. It is not intended to duplicate courses already taught in a classroom setting, but to supplement those offerings. Requirements will be established by the directing faculty member based on the difficulty of material to be analyzed and the number of credits to be granted.

**HY 596 DIRECTED RESEARCH (3-0-3)**. The purpose of this course is to provide the student with an opportunity to do individual research on a topic within one of the areas of specialization offered by the department. While it is expected that a research paper will result from this work, the directing faculty member will determine the requirements for the course.

**HY 597 SPECIAL TOPICS**

**HY 598 HISTORY SEMINAR (3 credits)**
Master of Arts or Science in Interdisciplinary Studies

General Information
Boise State University offers a Master of Arts/Master of Science degree program in Interdisciplinary Studies. In consultation with faculty, students may combine courses from more than one school or college or more than one department to create an individualized pattern of educational experience. The program is designed for mature students who wish to continue education at the graduate level but do not seek specialized training concentrated in a major area. This program is not a substitute for the traditional master's degree; rather, it is intended for students with broader interests in several fields or those whose career goals do not match fully with a single identifiable academic unit or department. Emphasis is placed on continued intellectual and cultural development in a constantly changing society where new career interests may extend over several traditional specializations.

The Interdisciplinary Studies Program is administered by the Graduate College, housed in the College of Arts and Sciences and directly supervised by the Director of Interdisciplinary Studies who is the Associate Dean of that College. A university-wide Interdisciplinary Studies Committee consisting of the Graduate Dean and one member from each academic School of College oversees the program. The Director of Interdisciplinary Studies serves as the chairperson of that committee. Each student in the program will also have a graduate committee composed of three faculty members from the disciplines making up the interdisciplinary program. The student's graduate committee will have the responsibility of helping the student select his or her particular course of study and will recommend to the Interdisciplinary Studies Committee that it be accepted as the student's formal Plan of Study. The Interdisciplinary Studies Committee shall be responsible for approving the members of the student's graduate committee and approving the student's plan of study.

Admission Requirements
1. File application for admission to the Graduate College in room MG 118, and request official transcripts from each institution attended previously to be sent directly to the Graduate Admissions Office.
2. The standard admission policy for applicants to the BSU Graduate College will be followed.
3. The applicant must submit an application for entrance into the Interdisciplinary Studies Degree Program to the Director of Interdisciplinary Studies in room SN 106.
4. The applicant must have an undergraduate cumulative GPA of 3.00.
5. The applicant must submit to the Director of Interdisciplinary Studies a two page written justification and rationale of why the courses in his or her Degree Plan are included in the Plan and how they will enable the applicant to accomplish identified intellectual, professional, or vocational goals.

Degree Requirements
Each program is developed individually according to the student's interests and background but must be intellectually defensible and clearly interdisciplinary in nature. The following must be incorporated into the program:
1. Course work must be selected from a minimum of two academic areas.
2. As many as 11 credits of 300-400G courses may be applied toward the program.
3. Courses may not be challenged for credit; if comparable content can be demonstrated, other courses will be substituted. No more than 9 transfer credits will be accepted toward the program.
4. The degree will consist of a total of 33 credits, of which no more than 16 credits may be earned in the College of Business. Students may select from a thesis/project or from a written examination option. The thesis/project will carry 6 credits.
5. For those students selecting the examination option, the student's graduate committee will draw up the examination questions. Following the written examination, the student will meet with the committee for an oral review of the results.
6. For students selecting the thesis/project option, upon completion of the work, the student will meet with his her committee for a final review of the work.
7. The thesis/project option and the examination option must both require the student to draw critically upon the two or more disciplines studied and to integrate disciplinary insights.
8. All work offered toward the MA/MS Degree Program in Interdisciplinary Studies must be completed within a period of seven academic calendar years.

Procedures
Following an interview, the Director of Interdisciplinary Studies will assist the students in forming a graduate committee. The student will develop the program with the committee; the Interdisciplinary Studies Committee (composed of one representative from each academic College or School and the Graduate Dean) will judge whether the plan is in keeping with the policies established, and approve said plan for acceptance for the degree. Revisions to the plan of study must be approved by the student's graduate committee chairperson, the Director of Interdisciplinary Studies, and the Graduate Dean.

Master of Science in Instructional/Performance Technology

College of Technology
The Master of Science in Instructional/Performance Technology is intended to prepare students for careers as training and development professionals in industry and government. The program prepares students with skills needed to identify, analyze, and solve a variety of human performance problems in work settings. Students are equipped with a broad range of skills in instructional design, program development, consulting, and using a variety of instructional delivery systems.

Requirements:
Intro Instructional Technology IP 536 .................................................. 3
Instructional Design IP 537 ................................................................. 3
*Fundamentals of Educational Research TE 551 .......................... 3
*Instructional Theory TE 582 ............................................................ 3
*Instructional Courseware Design TE 538 .................................. 3
Selected Topics—Instructional Technology IP 583 ....................... 3
Video Delivery Systems IP 520 ......................................................... 3
Project IP 591 .............................................................................. 6

Requirements sub-total ................................................................. 27
Electives ......................................................................................... 6

Students are expected to take at least 6 credits of relevant elective course work. Appropriate electives will be selected by the student and his/her advisor based on an evaluation of the student's educational and professional goals.

Electives sub-total ................................................................. 33

*See pages 190 and 191 for definition of course descriptions.

Course Descriptions
See page 20 for definition of course numbering system

IP INSTRUCTIONAL/PERFORMANCE TECHNOLOGY
IP 520 VIDEO DELIVERY SYSTEMS (3-0-3(S)). Students will investigate the video and audio applications of technology for instruction such as Instructional Television Fixed Service (ITFS), teleconferences, and educational television. PREREQ: IP 537.
IP 536 INTRODUCTION TO INSTRUCTIONAL TECHNOLOGY (3-0-3(F)). This course provides students with an overview of the field of Instructional/Performance Technology, its products and processes. Students learn the historical, philosophical, and theoretical foundations of the field.
IP 537 INSTRUCTIONAL DESIGN (3-0-3(F)). This course gives an overview of the processes involved in designing instructional interventions, such as analyzing
Master of Music
College of Arts & Sciences

Master of Music—Music Education Emphasis

1. The Master's in Music—Music Education emphasis is designed to meet the needs of music specialists. Admission will be granted to applicants who hold a Bachelor's degree from an accredited college or university, and who give promise of meeting the standards set by the Music Department.

2. All regular and provisional graduate students will be required to take diagnostic examinations during the first part of their program. The purpose of these examinations is to determine the student's strengths and weaknesses so that the student and her/his committee will be able to set up a program according to the student's needs. The examinations will be in the areas of music theory, music history, and performance. After taking the core courses in music education, the student will take a comprehensive examination in the area of music education. The results of these examinations will be interpreted by the Music Department faculty. The student's advisor will consult with the student about action regarding 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 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.

a. Required Music Core Classes
   - Intro to Music Research MU 503 3
   - New Developments in Music Education MU 570 3

b. Required College of Education Core Classes
   - Issues in Education TE 570 3
   - Conflicting Values Influencing Education TE 563 1

Elective courses (Select two from the following):
1. Law for the Clsrn Teacher TE 561 1
2. School Organ & Finance TE 562 1
3. Instuct Tech-Second School TE 564 1
4. Interpreting Educ Research TE 565 1
5. Learn Theory & Clsrn Instuct TE 566 1
6. Tech of Clsrn Mgmt TE 568 1
7. Testing & Grading TE 569 1
8. Instuct Techniques-Elem School TE 573 1

c. Elective Courses 15

A minimum of 10 elective music credits must be taken in the areas of performance, conducting, theory and analysis and/or history and literature. These courses include all MC 500 (private lessons) courses, ME 510, ME 515, ME 520, MU 501, MU 511, and MU 561. Additional courses will be planned by the student and his graduate committee.

d. Culminating Project
   - Thesis MU 593 OR 3-6
   - Project MU 591 OR 6
MU 501 HISTORY OF MUSIC IN THE UNITED STATES (3-0-3)(F/S). Designed for 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 MUSIC RESEARCH (3-0-3)(F/S). This course will provide an introduction to the basic research literature pertinent to the student's major area of emphasis; an interpretation of research findings; and the means to develop skills and techniques needed for the writing of an extended research paper, thesis and/or dissertation, articles for publication and book/performance reviews.

MU 505 SEMINAR IN CHORAL MUSIC: PERFORMANCE PRACTICES AND STYLES (3-0-3)(F/S). An historical, generic survey of the repertoire in choral literature. Emphasis will be placed on facets of interpretation through a study of representational compositions from the standard, practical analytic techniques, and the reading of primary sources of pertinent information.

MU 506 SEMINAR IN INSTRUMENTAL MUSIC: PERFORMANCE PRACTICES AND STYLES (3-0-3)(F/S). Analysis and study of works from the Baroque through the present era. Particular attention will be paid to performance practices of ornamentation, style, tempo, scoring, dynamics, etc. Band transcriptions also included.

MU 511 20TH CENTURY MUSICAL STUDIES (3-0-3)(F/S). A study of 20th century compositional techniques and performance practices through analysis, discussion of aesthetics, listening, performance, and creative writing. Contemporary techniques (and their notation), such as quartal harmonies, serialization, improvisation, electronic music, microtones, and multi-media, will be explored and their application to the secondary school music classroom will be discussed.

MU 512 ELECTRONIC MUSIC APPLICATIONS (3-0-3)(F/S). A historical overview of electronic music and music technology. Hands-on experience with digital and analog synthesizers, effects processors, sampling, tape decks, computers and related software, and MIDI. Emphasis will be placed on the application of fundamental techniques of electronic music to creative composition.

MU 551 SEMINAR IN MEDIEVAL THROUGH BAROQUE PERFORMANCE PRACTICES (3-0-3)(F/S). The study of music literature in Western Europe from the late Middle Ages through the Baroque period through the historical survey of performance practices and their practical application.

MU 552 SEMINAR IN MODERN MUSIC: FORM AND STYLE (1750-1980)(3-0-3)(F/S). The study of art music in the Western World from 1750 through the present, with emphasis on selected masterworks, including score analysis, performance practice, textual background and historical context.

MU 557 MAJOR INSTRUMENT LITERATURE (3-0-3)(F/S). Advanced survey of the major instrument literature. The student will prepare a research paper on several typical or important works in the repertoire.

MU 561 ADVANCED CONDUCTING (3-0-3)(F/S). Designed for secondary music teachers, this course provides opportunity to discover and analyze technical conducting problems, both instrumental and choral, in music of the various historical eras, which forms a significant part of the secondary school repertoire.

MU 563 MAJOR INSTRUMENT PEDAGOGY I (3-0-3)(F/S). An advanced and in-depth investigation of pedagogical techniques, materials and principles used in the private teaching studio. Readings in the philosophy of teaching will be included.

MU 564 MAJOR INSTRUMENT PEDAGOGY II (3-0-3)(S). Development of lesson plans and supervised studio teaching in both private and group settings. Recommended preparation: MU 563.

MU 570 NEW DEVELOPMENTS IN MUSIC EDUCATION (3-0-3)(F/S). Designed to acquaint the music specialist with recent ideas in music education, including major trends in curriculum, new methodology, music in integrated courses, and reports of major conferences and symposia.

MU 571 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING MUSIC IN THE ELEMENTARY SCHOOL (3-0-3)(F/S). Designed for the general classroom teacher or music specialist, the course deals with old and new approaches to teaching music in the classroom, teaching materials, current research on problem singers, creating 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 chorale 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 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.

Master of Public Administration
College of Social Sciences and Public Affairs

In 1984 the State Board of Education designated Boise State University as the primary emphasis institution for public affairs education within the state of Idaho. The Master of Public Administration (MPA) program is an important component of BSU's public affairs commitment.

The Master of Public Administration (MPA) is a professional graduate degree designed to prepare students for positions of leadership in public service. Professionals in all levels of government, nonprofit organizations, and private sector governmental affairs departments take advantage of the general administrative and policy analysis skills offered by the MPA program. The curriculum also provides the theoretical and practical dimension of public management necessary to assist students seeking public service careers. Four areas of emphasis are offered leading toward the MPA degree: (1) general public administration; (2) human services administration; (3) criminal justice administration; and (4) environmental and natural resources administration.

Admission to the MPA Program

Persons who wish to enter the MPA Program must submit a graduate application to the Graduate Admissions Office. After submitting the graduate application, applicants receive a certificate of admission to enroll in courses at BSU. This certificate of admission is a PREREQUISITE to admission into the MPA program, but does not by itself guarantee admission. It is the student's responsibility to contact the MPA Program Director to consult the Graduate College section of this catalog for more detail, including requirements for admission to the Graduate College.

All applicants to the MPA Program must meet the following requirements prior to enrollment in MPA courses:

1. Meet with the Director of the Public Affairs Program to discuss the admission process, the applicant's career interests, and reasons for entering the MPA Program.
2. Possession of a baccalaureate degree from an accredited institution.
3. Demonstration of satisfactory academic competency by attaining an overall GPA of 3.0 and a minimum combined 1000 on the Graduate Record Examination (GRE) verbal and quantitative sections.
4. Submittal of official transcripts from all previous academic institutions to the Graduate Admissions Office.
5. Submittal of three letters of reference, in which the applicant's educational and career objectives.
6. Submittal of the MPA Data Form, and a brief statement explaining the applicant's educational and career objectives.

Completion of the following academic prerequisites (through academic coursework or approved equivalent experience):


b. State and Local Government (3 semester credits).

c. Introduction to Public Administration (3 semester credits).

d. At least three semester credits in each of the following disciplines: Sociology, Economics, or Psychology.

e. At least three semester credits in one of the following: accounting, data processing, computer skills, or statistics.
8. For those students selecting Human Services Administration as their area of emphasis, completion of at least 9 semester credit hours in sociology or social work.
9. For those students selecting Criminal Justice Administration as their area of emphasis, completion of at least 9 semester credit hours in Criminal Justice.

Applicants who do not meet these requirements may be recommended by the MPA Admissions Committee for admission with provisional graduate status. However, these students must remove all deficiencies before they will be recommended for regular graduate status.

MPA students must successfully complete at least 33 semester credit hours of approved MPA course work. Some students may also be required to complete the public service internship, which is explained below. Eighteen semester credit hours are in courses selected from the prescribed "core area." The fifteen additional semester credit hours are in the student's "area of emphasis."

As a final project, all MPA students must complete three credits of directed research (included in the 15 credits of emphasis) and take the written and oral comprehensive exams based on their course work. Each MPA student must complete a program development form in consultation with the student's MPA academic advisor. In completing this form, courses from the "core area" and "area of emphasis" are selected.

**Transfer of Graduate Courses:** Because of a cooperative agreement made with Idaho State University and the University of Idaho, the MPA credits earned at those institutions are accepted into the Boise State University program. Transfer of credit from all other institutions is limited to nine (9) semester credits.

**Core Area Requirements:** Each MPA student is required to complete 18 semester credit hours of approved MPA course work in the following "core areas."

1. Administration in the Public Sector
2. Research Methods in Public Administration
3. Budgeting in the Public Sector
4. Public Policy Process
5. Human Resources Management
6. Organization and Management Concepts and Behavior

The core courses emphasize the knowledge and skills necessary to be effective in public service management and leadership. Each class includes an exploration of student values and public service ethics.

**"Area of Emphasis" Requirements:** Each MPA student is to complete a minimum of 15 additional semester credit hours. These credit hours are in the student's "area of emphasis." Areas of emphasis are concentrations or majors in the program. Included in the 15 semester credit hours of the selected area of emphasis is the directed research project (3 semester credits).

**Public Service Internship:** Those MPA students with less than one year of work experience in a public sector or other public affairs agency are to complete a "public service internship." The internship is served in a government office at the local, state, or national level or in appropriate public affairs organizations, such as private, nonprofit agencies. The credits received for the internship are in addition to the 33 semester credit hours from the core area and area of emphasis. The internship component comprises 6 semester credit hours.

The internship is meant to be a meaningful experience for both the MPA student and the organization in which the internship is served. Through the internship, students can further enhance their preparation for administrative work. At the same time, they are expected to make a valuable contribution to their assigned organizations. Therefore, the internship is usually served when the student is near completion of the MPA Program.

**Course Selection**

**Designated Core Area**

NOTE: Selection of courses is to be made in consultation with the student's academic advisor.

- **a. Administration in the Public Sector:** Administration in the Public Sector PA 500.
- **b. Research Methods in Public Administration:** Techniques of Analysis in Public Administration PA 503.
- **c. Budgeting in the Public Sector:** Public Budgeting and Financial Administration PA 504.

**d. Public Policy Process:** Public Policy Process PA 501.
**e. Human Resources Management:** Public Personnel Administration PA 505.
**f. Organization and Management Concepts and Behavior:** Organizational Theory PA 502.

**Optional "Areas of Emphasis"**

- **a. General Public Administration:** This area of emphasis is provided to accommodate those students desiring preparation in public administration as a "generalist," rather than as a "specialist" in a particular area of specialization. At BSU the student may select the remaining 15 credit hours of coursework from these courses: Administrative Law PA 530, Intergovernmental Relations PA 521, Program Evaluation PA 510. Any of the courses identified as "selected topics," which will be offered as staff availability permits, may be selected to satisfy the General Public Administration area of emphasis. Arrangements may also be made in the following courses: Reading and Conference PA 595, Directed Research PA 596, Conference/Workshop PA 599.
- **b. Criminal Justice Administration:** Special Programs in Correctional Treatment CR 510, Special Problems of the Juvenile and Youthful Offender CR 511, Reading and Conference CR 595, Seminar in Criminal Justice Administration CR 598.
- **c. Human Resources Administration:** Conflict & Change in Socio-Cultural Systems SO 510, The Sociology of Age Group Stratification SO 511, Social Demography SO 512, Selected Topics—Human Services Administration SO 580, Reading and Conference SO 595.
- **d. Environmental and Natural Resource Policy and Administration:** Natural Resource Policy and Administration PA 540, Environmental and Regulatory Policy and Administration PA 541, Energy Politics PA 542, and Public Land Policy and Administration PA 543. "Selected Topics" courses will be offered to supplement area of emphasis requirements.
- **e. State and Local Government Administration and Human Resources Management** may be offered in the near future.

**Course Offerings**

See page 20 for definition of course numbering system

**PA PUBLIC AFFAIRS COURSES**

- **PA 500 ADMINISTRATION IN THE PUBLIC SECTOR (3-0-3/F/S).** Designed to introduce students to the broad field of public administration at the graduate level. The course surveys a number of important issues in contemporary public administration, including an emphasis on political, legal, economic and social institutions and processes.
- **PA 501 PUBLIC POLICY PROCESS (3-0-3/F/S).** Process of policy-making both within an agency and within the total governmental process, emphasizing policy and program planning, policy implementation and the value system of administrators.
- **PA 502 ORGANIZATIONAL THEORY (3-0-3/F/S).** Theories of organizational behavior and management, with special attention given to public sector organizations. Focus will be on the interface between technocratic and political process.
- **PA 503 TECHNIQUES OF ANALYSIS IN PUBLIC ADMINISTRATION (3-0-3/F/S).** An introduction to quantitative and qualitative data analysis with an emphasis on using descriptive and inferential statistics as tools in both public policy analysis and public program analysis. The use of qualitative analysis to support management decision making is examined. Computers, especially microcomputers, will be used in the analysis of quantitative data.
- **PA 504 PUBLIC BUDGETING AND FINANCIAL ADMINISTRATION (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.
- **PA 505 PUBLIC PERSONNEL ADMINISTRATION (3-0-3/F/S).** An examination of the personnel/human resource management role as it has evolved in the public sector. The multiple responsibilities of personnel managers in the public sector will be examined, and the link between public policy and personnel management will be identified.
- **PA 510 PROGRAM EVALUATION (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.
- **PA 511 QUANTITATIVE METHODS FOR PUBLIC DECISIONS (3-0-3/F/S).** Methods for operations research and management science are used to analyze decisions as well as to plan and monitor program implementation. The usefulness of these methods in public sector and other public affairs organizations is considered.
- **PA 520 GOVERNMENT PLANNING (3-0-3/F/S).** A study of the theories, objectives, techniques, and problems of governmental planning within cities, metropolitan areas, and regions, as well as at the national level of government in the United States. A discussion of the planning profession and the politics of planning.
PA 521 INTERGOVERNMENTAL RELATIONS (3-0-3)(F/S). Interunit cooperation and
conflict in the American federal system, including national-state-local, and inter-
local relations. PREREQ: PO 101, 102, 303.

PA 522 POLICY ISSUES AND THE PUBLIC ADMINISTRATOR (3-0-3)(F/S). Approp-
riate, relevant topics dealing with public policy and the roles of public ad-
ministrators are discussed using concepts from organization and administrative
theory and policy analysis.

PA 530 ADMINISTRATIVE LAW (3-0-3)(F/S). Sources of power and duties of ad-
ministrative agencies, rules and regulations made by agencies through investiga-
tion and hearings, judicial decisions and precedents relating to administrative
activities. PREREQ: PO 303 or PERM/INST.

PA 531 LABOR RELATIONS LAW IN THE PUBLIC SECTOR (3-0-3)(F/S). A case study
of the trends and development of the legal context of labor-management rela-
tions in the public sector, including collective bargaining relationships, manage-
ment rights and responsibilities, political and civil rights of public employees,
and alternative modes of dispute resolution. Collective bargaining and grievance
exercises will be conducted.

PA 540 NATURAL RESOURCE POLICY AND ADMINISTRATION (3-0-3)(F/S). Ex-
amines the major issues, actors, and policies in the area of natural resources.
Topics include: land and water management and use, the natural resource policy
environment, the roles and behaviors of natural resource agencies, and alter-
native natural resource policy futures.

PA 541 ENVIRONMENTAL AND REGULATORY POLICY AND ADMINISTRATION
(3-0-3)(F/S). Examines aspects of environmental regulatory politics and policy.
Topics examined include the politics of regulation, pollution and waste policy,
and intergovernmental environmental management.

PA 542 ENERGY POLITICS (3-0-3)(F/S). Topics to be discussed in this energy policy
related course include: alternative energy policies, energy and environmental
protection, and the policies of the formulation of a national energy policy.

PA 543 PUBLIC LAND POLICY AND ADMINISTRATION (3-0-3)(F/S). Examines the
major issues, actors, and policies affecting the public lands of the United States.
Special attention to the processes, institutions, and organizations which influence
how public land policy is made.

PA 571 ETHICS IN THE PUBLIC SECTOR (3-0-3)(F/S). Examination of ethical dilem-
mas facing civil servants and elected officials utilizing case studies, current ethics
statutes, and approaches in the public administration literature to the subject.

SELECTED TOPICS (3-0-3). To be offered on a staff availability permits.
PA 580 ADMINISTRATIVE THEORY, ORGANIZATION AND BEHAVIOR
PA 581 TECHNIQUES AND SKILLS
PA 582 PUBLIC POLICY AND POLICY ANALYSIS
PA 583 ADMINISTRATIVE LAW AND ETHICS
PA 584 THE EXECUTIVE AND THE ADMINISTRATIVE PROCESS
PA 585 INTERGOVERNMENTAL RELATIONS
PA 586 COMMUNITY AND REGIONAL PLANNING
PA 587 COMPARATIVE PUBLIC ADMIN AND PLANNING SYSTEMS

PA 590 PUBLIC SERVICE INTERNSHIP (variable credit). Arranged as field ex-
perience for those students with no prior experience in governmental or other
organizational assignments. Such internships will be established and ar-
rangements made for placement through the director of the MPA Program.

PA 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.

PA 596 DIRECTED RESEARCH (1-3 credits). A special project undertaken by the
MPA student as advanced tutorial study in a specialized area according to
the needs and interests of the student. Course embodies research, discussions of
the subject matter and procedures with a designated professor and a documenta-
tal paper covering the subject of the independent study.

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

CR 510 SPECIAL PROBLEMS IN CORRECTIONAL TREATMENT (3-0-3)(F/S). Analysis
of contemporary problems in the correctional programs of American society.

CR 511 SPECIAL PROBLEMS OF THE JUVENILE AND YOUTHFUL OFFENDER
(3-0-3)(F/S). Examination of current processes in juvenile justice, rehabilita-
ion programs, probation and utilization of community-based resources. Emphasis
will be placed on preventive rehabilitative measures at the local level.

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 596 DIRECTED RESEARCH (variable credit). Research on problems in the
field of criminal justice administration in the student's area of specialization.

CR 597 SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION (2-0-2)(F/S). Intensive
analysis of selected subject areas of the system of criminal justice administra-
tion. PREREQ: CR 301.

SO 501 THE SOCIOLOGY OF EDUCATION (3-0-3)(F/S). 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). Examina-
tion 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 analyz-
ing 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 in Raptor Biology
College of Arts and Sciences
General Information

The Master of Science degree program in Raptor Biology is designed for
students, holding or expecting a bachelor degree in one of the
disciplines of the biological sciences, to enhance their knowledge and
understanding of raptor biology and ecology. The affiliation of the pro-
gram with the World Center for Birds of Prey, affords students a uni-
que opportunity to study the techniques of captive breeding and release
of rare and endangered birds of prey. In addition, the Snake River Birds
of Prey Natural Area, with the largest concentration of nesting raptors
in North America, provides a unique circumstance to study raptor
biology and ecology.

Admission Requirements

1. Submit a graduate application along with the $15.00 matriculation
fee to the Graduate Admissions Office. Please submit the applica-
tion PRIOR to submitting any additional items.

2. Have the Registrar(s) of ALL post-secondary institutions attended send
official transcripts.

3. Submit three letters of recommendation.

4. Have Graduate Record Exam scores forwarded.

All of the above materials are to be sent directly to the Graduate Ad-
missions Office, Boise State University, 1910 University Drive, Boise,
ID 83725. In addition, the applicant should send a cover letter, discuss-
ing the applicant's professional goals and his or her reasons for wishing
to study raptor biology, directly to the Biology Graduate Studies
Coordinator.

REGULAR STATUS may be granted to those students who submit the
above materials if they have maintained a 2.75 GPA over the last two
years of undergraduate study and average a 50 percentile in verbal,
quantitative, and analytical portions of the GRE.

PROVISIONAL STATUS may be granted to those applicants who do
not meet the requirements for regular status or who may required to
complete additional requirements as determined by the Biology
Department.

Students may apply for admission at any time; however, applications
must be completed by March 1 (for Fall Semester admission) in order to
be considered for assistantships. Other forms of financial aid, such as
loans or the College Work Study Program, are available to graduate
students. Prospective students should contact the Financial Aid Office and consult the BSU catalog. Enrollment in the program is limited.

Degree Requirements

Once accepted, the student and the student's major professor (thesis advisor) select two additional faculty to comprise the student's thesis committee. This committee reviews the student's program and thesis. The committee also determines if there are any specific academic deficiencies that the student must meet in addition to the M.S. degree requirements.

A minimum of thirty (30) credits are required. Two (2) credits of graduate seminar (B 598) and six (6) credits of thesis (B 593) are required as part of the minimum 30 credits. The final copy of the thesis must be approved by the student's thesis committee and submitted to the Dean of the Graduate College at least three (3) weeks before commencement.

Course List (BSU)

Organic Evolution B 401G ........................................ 3
General Parasitology B 412G .................................... 3
Applied and Environmental Microbiology B 415G ........ 4
Immunology B 420G ............................................. 3
Ecology B 423G .................................................... 4
Biometry B 501 ..................................................... 4
Population and Community Ecology B 502 ............... 3
Raptor Ecology B 506 ............................................. 3
Seminar B 598 (1 credit) ....................................... 2
Thesis B 593 ....................................................... 6
Directed Research B 596
(6 credits maximum in a semester) ......................... 1-9
Mycology BT 330G ................................................. 4
Advanced Writing E 401 .......................................... 3
Mathematical Modeling M 564 ................................ 3
Public Policy Process PA 501 ................................ 3
Entomology Z 305G .............................................. 4
Ornithology Z 341G .............................................. 4
General & Comparative Physiology Z 409G ............. 4
Mammalogy Z 421G .............................................. 3

In addition, approved upper division and graduate courses at Idaho State University and/or the University of Idaho may serve as part of the graduate program at the determination of the student's thesis committee.

Thesis/Project

By the end of the eighth week of the second semester in which the student is enrolled, an outline of the proposed research project must be submitted to the committee members. A budget must be included as part of the research proposal. During the second semester, the student must present a seminar on the proposed research which may consist of a literature review, current research, or progress on the research project.

Course Offerings

See page 20 for definition of course numbering system

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

B BIOLOGY

B 401G ORGANIC EVOLUTION (3-0-3)(S).
B 412G GENERAL PARASITOLOGY (2-3-3)(S).
B 415G APPLIED AND ENVIRONMENTAL MICROBIOLOGY (3-3-4)(S).
B 420G IMMUNOLOGY (3-0-3)(S).
B 423G ECOLOGY (3-3-4)(F/S).

BT BOTANY

BT 330G MYCOLOGY (3-3-4)(F).

Z ZOOLOGY

Z 305G ENTOMOLOGY (2-6-4)(F).
Z 341G ORNITHOLOGY (2-3-3)(S).
Z 409G GENERAL AND COMPARATIVE PHYSIOLOGY (3-3-4)(S).
Z 421G MAMMALOGY (2-3-3)(S).

Graduate

B BIOLOGY

B 501 BIOMETRY (4-0-4)(F). An application of statistical methods to problems in the biological sciences. Basic concepts of hypothesis testing; estimation and confidence intervals; t-tests and chi-square tests. Linear and nonlinear regression theory and analysis of variance. Techniques in multivariate and nonparametric statistics. PREREQ: M 111 or equivalent, or PERM/INST.
B 502 POPULATION AND COMMUNITY ECOLOGY (3-0-3)(F). The structure of populations and communities. Competition, predation, life history strategies, demography, population regulation, and species diversity are examined from experimental and theoretical perspectives. PREREQ: B 423 or equivalent, or PERM/INST.
B 506 RAPTOR ECOLOGY (3-0-3)(S). Theoretical ecology as applied to birds of prey. Strategies of reproduction, habitat selection, foraging and spacing; theory of competition and predator-prey interactions; niche theory and community structure; raptor management. PREREQ: B 423 or equivalent, or PERM/INST.
### Boise State University Faculty

#### Full-Time Official Faculty as of February, 1991

**NOTE:** The date in parentheses is the year of first appointment.

| A | Ackley Louise | 1969 | Assistant Professor, English; A.M., University of Washington |
| B | Affleck Stephen B | 1981 | Associate Professor, Engineering; Ph.D., Iowa State University |
| C | Allen John W | 1971 | Professor, Physics; Ph.D., Harvard University |
| D | Allen Robert L | 1976 | Program Head; Senior Instructor, Industrial Mechanics/Automation; B.A., Boise State University |
| E | Alm Leslie | 1991 | Assistant Professor, Political Science; Ph.D., Colorado State University |
| F | Anderson Calvin Kent | 1990 | Assistant Professor, English; M.F.A., University of Montana |
| G | Anderson Holly L | 1989 | Assistant Professor, Teacher Education; M.A., University of Utah |
| H | Anderson Jeffrey M | 1986 | Director, Clinical Education, Respiratory Therapy; Assistant Professor, Respiratory Therapy; B.S., University of Wisconsin, Madison |
| I | Anderson Michael R | 1990 | Assistant Professor, Mathematics; Ph.D., University of Michigan |
| J | Anderson Robert | 1970 | Professor, Mathematics; Ph.D., Michigan State University |
| K | Annooshian Linda James | 1988 | Department Chair and Professor, Psychology; Ph.D., University of California, Riverside |
| L | Anson Robert | 1990 | Assistant Professor, Computer Information Systems & Production Management; Ph.D., Indiana University |
| M | Aramburri Gary | 1976 | Manager, Technical Division; Senior Instructor, Welding; Diploma, Boise State University |
| N | Ashworth Lonny J | 1977 | Associate Professor, Respiratory Therapy; M.Ed., College of Idaho |
| O | Atkanson Phillip | 1985 | Assistant Professor, Theatre Arts; M.A., State University of New York, Binghamton |
| P | Ayers Kathleen L | 1983 | Associate Professor, Mathematics; Ph.D., University of Idaho |
| Q | Bahruth Robert | 1988 | Assistant Professor, Teacher Education; M.A. University of Texas, San Antonio |
| R | Bain Craig E | 1986 | Assistant Professor, Accounting; Ph.D., Texas A & M |
| S | Baker Charles W | 1968 | Professor, Biology; Ph.D., Oregon State University |
| T | Baker Richard P | 1973 | Professor, Sociology; Ph.D., Washington State University |
| U | Baldassarre Joseph A | 1975 | Associate Professor, Music; D.M.A., Case Western Reserve University |
| V | Balderon Ronald | 1978 | Program Head; Senior Instructor, Welding; M.Ed., University of Idaho |
| W | Baldwin John B | 1971 | Professor, Music; Ph.D., Michigan State University |
| X | Bammel Brad P | 1988 | Assistant Professor, Chemistry; Ph.D., University of New Mexico |
| Y | Banks Richard C | 1966 | Chairperson, Chemistry Department; Professor, Organic Chemistry; Ph.D., Oregon State University |
| Z | Barney Lloyd Dwayne | 1986 | Associate Professor, Finance; Ph.D., Texas A & M |
| A | Barrett Gwinn W | 1968 | Professor, History; Ph.D., University of Texas |
| B | Barneis Wylla D | 1968 | Professor, Psychology; Ph.D., University of Minnesota |
| C | Bartoszyński, Tomasz | 1990 | Assistant Professor, Mathematics; Ph.D., Warsaw University, Poland |
| D | Bawens Jeanne | 1984 | Associate Professor, Teacher Education; Ed.D., University of Idaho |
| E | Bechard Marc Joseph | 1983 | Graduate Program Coordinator, Raptor Biology; Professor, Biology; Ph.D., Washington State University |
| F | Beckman Terrie L | 1990 | Instructor, Dental Assisting; Certificate, Boise State University |
| G | Belley Jeanne Marie | 1983 | Associate Professor, Music; Ph.D., University of Kentucky |
| H | Belfy Jeanne Marie | 1983 | Associate Professor, Art; Ed.D., University of Idaho |
| I | Bentley Elton B | 1980 | Professor, Geoscience; Ph.D., University of Oregon |
| J | Benton Danny | 1983 | Standard Instructor, Drafting Technology; B.S., La Salle Extension University |
| K | Berg Lynn R | 1984 | Associate Professor, Music; D.M.A., Univ. of Wisconsin, Madison |
| L | Bernstein Louis | 1989 | Assistant Professor, History; Ph.D., University of Kansas |
| M | Bieter J Patrick | 1969 | Professor, Teacher Education; Ed.D., University of Idaho |
| N | Bigelow John D | 1982 | Professor, Management Systems; Ed.D., Washington State University |
| O | Bixby Michael B | 1986 | Associate Professor, Management; J.D., University of Michigan |
| P | Blain Michael | 1983 | Associate Professor, Sociology; Ph.D., University of Illinois |
| Q | Blankenship Jim | 1977 | Professor, Art; M.F.A., Otis Art Institute |
| R | Boren Robert R | 1971 | Chairperson, Communication Department; Professor, Communication; Ph.D., Purdue University |
| S | Borman LeAnne | 1987 | Instructor, Practical Nursing; B.S., Idaho State University; B.S., University of Colorado |
| T | Bounds Karen J | 1973 | Professor, Business and Office Education; Ed.D., North Texas State University |
| U | Boyer Dale K | 1968 | Professor, English; Ph.D., University of Missouri, Columbia |
| V | Bratt J Wallis | 1970 | Associate Professor, Music; M.M., University of Utah |
| W | Breder Susan I | 1969 | Professor, Computer Systems; Ph.D., University of Idaho |
| X | Briney Amy P | 1975 | Chair, Philosophy Department; Professor, Philosophy; Ph.D., University of Minnesota, Minneapolis |
| Y | Brown Marcellus | 1989 | Associate Professor, Music; M.M., University of Michigan |
| Z | Brown Timothy | 1977 | University Librarian; Associate Professor, Library Science; M.S., University of Illinois |
| A | Brownfield Theodore E | 1979 | Advanced Instructor, Heavy-Duty Mechanics (Diesel) |
| B | Buhler Peter | 1980 | Professor, History; Ph.D., University of California, San Diego |
| C | Burley Ralph | 1973 | Program Head; Senior Instructor, Drafting Technology |
| D | Burmaster Orvis | 1968 | Assistant Professor, English; M.A., University of Montana |
| E | Buss Stephen R | 1979 | Chairperson, Theatre Arts Department; Associate Professor, Theatre Arts; Ph.D., Washington State University |
| F | Butler Diana A | 1981 | Advanced Instructor, Business & Office Education; Diploma, Boise State University |
| G | Button Sherman G | 1976 | Professor, Physical Education; Ph.D., University of Utah |

### C

| Cade Tom J | 1987 | Director, Raptor Research; Professor, Raptor Biology; Ph.D., University of California, Los Angeles |
Cadwell Dan E. ........................................ (1981)
Senior Instructor, Business Systems & Computer Repair; A.A.S.,
Boise State University

Callaghan Kathleen .................................. (1988)
Assistant Professor, Nursing; M.S., University of Wyoming

Carlton Janet ........................................ (1974)
Senior Instructor, Business & Office Education; M.A., Boise State
University

Carpenter Connie S. .................................. (1986)
Associate Professor, Nursing; Ed.D., Oklahoma University

Carter Loren S. ....................................... (1970)
Professor, Chemistry; Ph.D., Washington State University

Centanni Russell ..................................... (1973)
Professor, Biology; Ph.D., University of Montana

Chastain Garvin ...................................... (1978)
Professor, Psychology; Ph.D., University of Montana

Chevalier Susan M. ................................... (1990)
Assistant Professor, Teacher Education; Ph.D., University of
Missouri-Columbia

Christensen Steve .................................... (1988)
Assistant Professor, Teacher Education; Ph.D., University of Idaho

Clark Marvin A. ...................................... (1969)
Professor, Computer Information Systems; Ph.D., University of
Minnesota, Minneapolis

Colby Conrad .......................................... (1970)
Chairperson, Respiratory Therapy; Professor, Respiratory Therapy;
Ph.D., University of Montana

Corbin A Robert ...................................... (1967)
Assistant Professor, Sociology; Th.M., Iliff School of Theology

Cornwell Robert ...................................... (1969)
Professor, Business Communication; Ed.D., Arizona State
University

Cox T Virginia ........................................ (1967)
Associate Professor, Anthropology; Ph.D., University of Georgia

Cox Marvin ............................................ (1977)
Professor, Communication; Ph.D., University of Mississippi

Craner G Dawn ........................................ (1975)
Associate Professor, Communication; M.A., Purdue University

D

Dahm Norman .......................................... (1953)
Chairperson, Construction Management & Pre-Engineering Depart-
ment; Professor, Engineering; M.Ed., University of Colorado

Dalton Jack L ......................................... (1958)
Professor, Chemistry; M.S., Kansas State University

Davis Charles ........................................ (1963)
Director, Interdisciplinary Studies Program; Professor, English;
Ph.D., University of North Carolina, Chapel Hill

Dayley Jon Philip ...................................... (1982)
Associate Professor, English; Ph.D., University of California, Berkeley

Dennis Gerald R ....................................... (1989)
Instructor, Water/Wastewater Technology

Dodson Jerry .......................................... (1970)
Professor, Psychology; Ph.D., Purdue University

Dodson Robert B ...................................... (1979)
Senior Instructor, Electronics Service Technology; B.S.E.E., Seattle
University

Donaldson Paul R .................................... (1975)
Professor, Geoscience; Ph.D., Colorado School of Mines

Donoghue Dennis J .................................. (1973)
Professor, Political Science; Ph.D., Miami University of Ohio

Dorman Patricia ...................................... (1967)
Professor, Sociology; Ph.D., University of Utah

Douglas Dorothy P .................................... (1981)
Professor, Biology; Ph.D., University of California, Berkeley

Douglass J D Jr ...................................... (1972)
Professor, Art; M.F.A., Cranbrook Academy of Art

Downs Richard R ..................................... (1975)
Counseling Psychologist, Counseling & Testing Center; Associate
Professor, Psychology; Ed.D., Ball State University

Drayer Gerald F ...................................... (1976)
Director, Center for Economic Education; Associate Professor,
Economics; Ph.D., Ohio University

Duffy Alfred M ....................................... (1988)
Assistant Professor, Zoology; Ph.D., State University of NewYork,
Binghamton

Dykstra Dewey I, Jr ................................ (1981)
Associate Professor, Physics; Ph.D., University of Texas, Austin

E

Eastman Phillip ...................................... (1977)
Associate Dean, Arts & Sciences; Professor, Mathematics; Ph.D.,
University of Texas

Edmundson Eldon .................................... (1976)
Dean, College of Health Science; Professor, Public Health, Health
Services; Ph.D., Washington State University

Edmundson Phyllis J ............................... (1974)
Professor, Teacher Education; Ed.D., University of Northern
Colorado

Egland Barbara ....................................... (1984)
Manager, Business and Service Division; Instructor, Business and
Office Education; M.S., University of Idaho

Eisley Clark ........................................... (1990)
Program Head and Assistant Professor, Instructional/Performance
Technology; Ph.D., Brigham Young University

Elison Patt ............................................ (1986)
Chairperson, Medical Record Science; Assistant Professor, Medical
Record Science; M.A., Boise State University

Elliott Catherine ................................... (1986)
Associate Professor, Music; M.A., Boise State University

Elliott Wilber D ...................................... (1969)
Chairperson, Music Department; Professor, Music; M.Ed., Central
Washington University

Ellis Robert W ........................................ (1971)
Professor, Biochemistry; Ph.D., Oregon State University

English Denise M ..................................... (1987)
Assistant Professor, Accounting; Ph.D., Indiana State University

English Thomas J ..................................... (1987)
Assistant Professor, Accounting; Ph.D., Arizona State University

Ericson Robert E ..................................... (1970)
Associate Professor, Theatre Arts; Ph.D., University of Oregon

Evett Stuart D .......................................... (1972)
Assistant Professor, English; M.A., Vanderbilt University

F

Fahleson Genger A .................................. (1974)
Associate Professor, Physical Education; Ph.D., Univ. of Wyoming

Farnsworth Judy ...................................... (1985)
Assistant Professor, Nursing; Ph.D., University of Utah

Feldman Alex .......................................... (1989)
Assistant Professor, Mathematics; Ph.D., University of Wisconsin,
Madison

Ferguson David J .................................... (1970)
Associate Professor, Mathematics; Ph.D., University of Idaho

Fletcher Allan W ...................................... (1970)
Professor, History; Ph.D., University of Washington

Foraker-Thompson Jane ........................... (1982)
Associate Professor, Criminal Justice Administration; Ph.D., Stanford
University

Fountain Carol E .................................... (1967)
Director, B.S.Nursing Program; Associate Professor, Nursing; M.N.,
Montana State University

Fox Roy F ............................................ (1978)
Coordinator, Composition, English Department; Associate Professor,
English; Ph.D., University of Missouri, Columbia

Frankle Alan .......................................... (1984)
Professor, Finance; Ph.D., University of Arizona

Frederick E Coston ................................. (1971)
Director, Reading Education Center; Professor, Teacher Education;
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