

BOISE STATE UNIVERSITY



Catalog
1990-91

Contents

Calendar, 3
General Information, 5
Admissions, Fees, Financial Aid, and Housing, 8
Academic Information, 17
Majors and Degrees, 27
Academic Enrichment and Special Programs, 28
Student Services, 37
College of Arts and Sciences, 40
School of Social Sciences and Public Affairs, 72
College of Business, 91
College of Education, 105
College of Health Science, 127
College of Technology, 144
School of Applied Technology, 145
School of Vocational Technical Education, 149
Graduate College, 171
Faculty, 193
Index, 201
Administration, 206



CONTACTS

Admissions: Administration Building, Room 101, 1910 University Drive; Telephone (208) 385-1156.

Admissions Counseling: Visitor's Center, 2065 University Drive; Telephone (208) 385-1401, 1-800-632-6586 within Idaho, or 1-800-824-7017 from outside Idaho.

Advising Center: Math-Geology Building, Room 102, 2000 University Drive; Telephone (208) 385-3664.

College of Business Student Services Center: Business Building, B-203; Telephone (208) 385-3859.

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

Career Planning and Placement: Administration Building, Room 123, 1910 University Drive; Telephone (208) 385-1747.

Cashier/Business Office: Administration Building, Room 211, 1910 University Drive; Housing Telephone (208) 385-1612.

Continuing Education and Summer Sessions: Library, Room 247; Telephone (208) 385-3706

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

Financial Aid: Administration Building, Room 117, 1910 University Drive; Telephone (208) 385-1664.

Graduate Admissions: Math-Geology Building, Room 218, 2000 University Drive; Telephone (208) 385-3903.

Registrar: Administration Building, Room 102-110, 1910 University Drive; Telephone (208) 385-3486.

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

Student Residential Life: Administration Building, Room 214, 1910 University Drive; Telephone (208) 385-3986.

Dean of Student Special Services Office: Administration Building, Room 114, 1910 University Drive; Telephone (208) 385-1583.

Vocational Student Services: Technical Building, Room 114, 1405 University Drive; Telephone (208) 385-1144.



Boise State University Calendar—1990-91

Summer Session 1990

For Registration Information, See Summer Class Schedule

May 1, Tuesday	Last day to file 1989-90 CSS Financial Aid Form to be considered for summer need-based financial aid.
May 30, Wednesday	Fee payment deadline for summer session.
June 4, Monday	Classes begin for 8-week, 10-week, and first 5-week sessions. (For refund information, see summer class schedule.)
June 15, Friday	Last day to file with department for admission to candidacy for Master's Degree—departmental office.
June 15, Friday	Last day to file application for graduation for Master's, Baccalaureate, and two-year or less degrees, diplomas, and certificates—Registrar's Office.
July 4, Wednesday	Independence Day Holiday (school closed).
July 6, Friday	First 5-week session ends.
July 9, Monday	Classes begin for second 5-week session.
July 27, Friday	End of 8-week session.
August 10, Friday	End of 10-week session and second 5-week session.

Fall Semester 1990

For Registration Information, See Fall Class Schedule

February 1, Thursday	Last day to file CSS Financial Aid Form to be considered for 1990-91 need-based scholarships.
March 1, Thursday	Last day to file BSU scholarship application to be considered for 1990-91 merit scholarships and need-based scholarships.
March 1, Thursday	Recommended date to file CSS Financial Aid Form and supporting documents for best chance of receiving 1990-91 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.)
June 1, Friday	Last day to complete federal verification process for campus based financial aid for 1990-91 school year.
July 23, Monday	Bills will be mailed to students registered for fall semester.
August 1, Wednesday	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.
August 10, Friday	Last day to register or drop/add for fall semester 1990 prior to fee payment deadline.
August 13-17, Monday-Friday	No registration or drop/add services during this period.
August 15, Wednesday	Fee payment deadline for registered students.
August 20, Monday	Drop/add for registered and paid students (8:30 a.m.-5:00 p.m.)
August 20-24, Monday-Friday	Faculty orientation/meetings.
August 21, Tuesday	Registration for fall semester 1990 reopens, drop/add continues.
August 22-24, Wednesday-Friday	Advising.
August 23, Thursday	Residence Halls open (noon).
August 23-26, Thursday-Sunday	New Student Orientation Program.
August 27, Monday	Classes begin.
August 31, Friday	Last day to register except by petition (8:30 a.m.-5:00 p.m.). Last day to add except with consent of instructor and department head. Last day to drop except with consent of instructor.
September 3, Monday	Labor Day Holiday (school closed).
September 4, Tuesday	Registration by petition only.
September 10, Monday	Last day for 100% refund for dropping a class or withdrawing from the University. Last day for student health insurance refund.
September 28, Friday	Last day to file with department for admission to candidacy for Master's Degree—departmental office.
September 28, Friday	Last day to file application for graduation for Master's, Baccalaureate and two-year or less degrees, diplomas, and certificates—Registrar's Office.
September 28, Friday	Last day to make class changes or register by petition for first 8-week block courses.
September 28, Friday	College of Business: last day to petition for upper division admission for spring semester, 1991.
October 12, Friday	Notification of incompletes from previous semester.
October 12, Friday	Mid-semester grades submitted to Registrar's Office by Noon.
October 12, Friday	Last day to file application with department for final Master's written exam.
October 15, Monday	Second 8-week block begins.
October 19, Friday	Last day to submit names for faculty initiated withdrawal notifications.
November 2, Friday	Last day to make class changes or register by petition.
November 3, Saturday	Final day for written exam for Master's Degree.
November 7, Wednesday	Advising for spring semester, 1991 begins for continuing students.
November 12-30, Monday-Friday (3 weeks)	Registration for spring semester, 1991 begins for continuing students.
November 14, Wednesday	Last day for final oral and project/thesis defense.
November 16, Friday	Last day to make class changes or register by petition for second 8-week block courses.
November 22-25, Thursday-Sunday	Thanksgiving Holiday (school closed).
November 26, Monday	Classes resume.
November 30, Friday	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 7, Friday	Last day to submit final signed copy of Masters project/thesis with department.
December 11, Tuesday	Classroom instruction ends. Last day for complete withdrawal.
December 12, Wednesday	Reading/Preparation Day.
December 13-14 and 17-18, Thursday-Friday and Monday-Tuesday	Final Semester Examinations.
December 19, Wednesday	Residence Halls close.
December 21, Friday	Grade Reports due to Registrar (Noon).

Spring Semester 1991

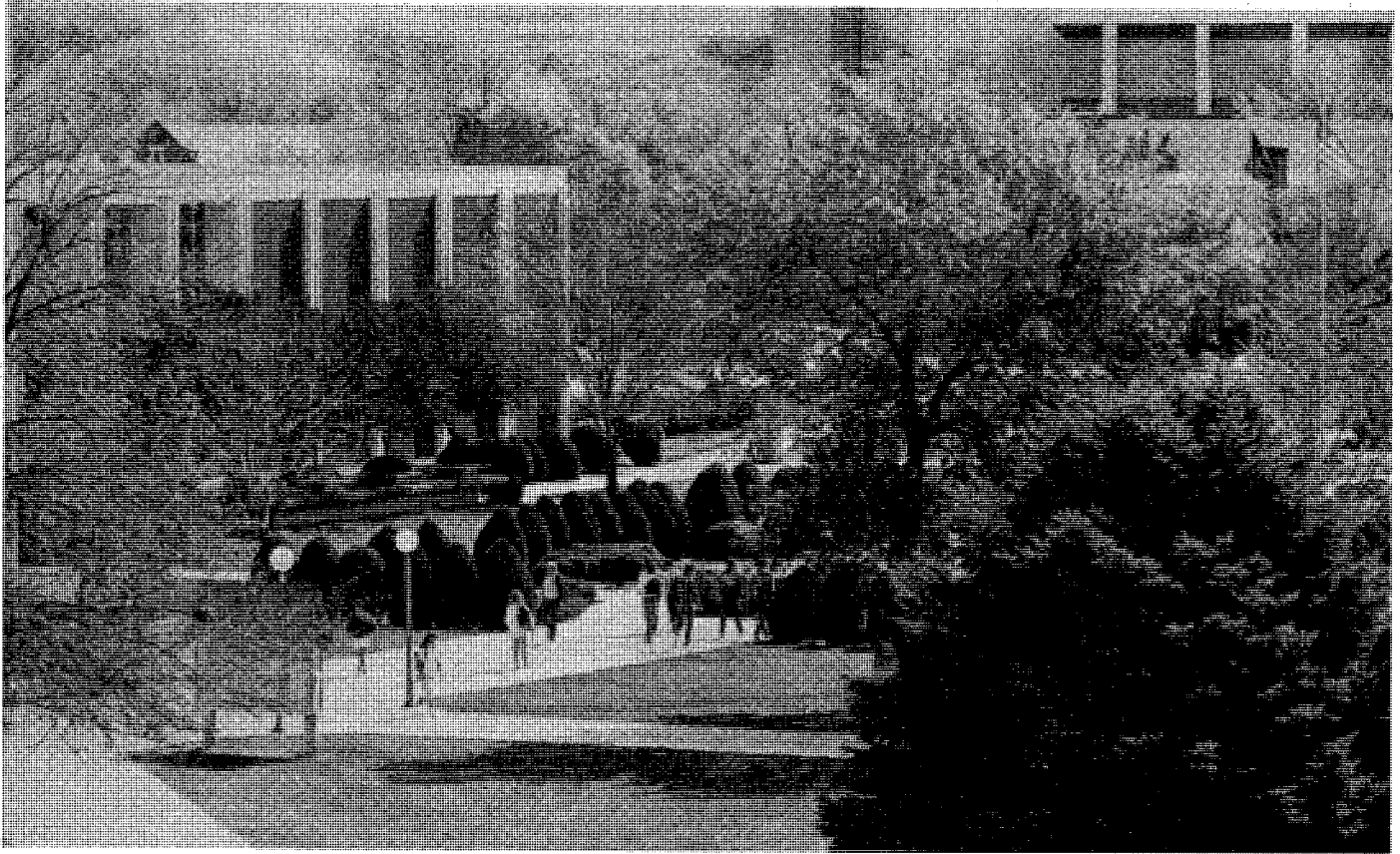
For Registration Information, See Spring Class Schedule

November 30, Friday	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 14, Friday	Bills will be mailed to students registered for spring semester.
December 21, Friday	Last day to register or drop/add for spring semester 1991 prior to fee payment deadline.
December 24-January 7	No registration or drop/add services during this period.
January 3, Thursday	Fee payment deadline for registered students.
January 7-11, Monday-Friday	Faculty meetings.
January 8, Tuesday	Drop/add for registered and paid students (8:30 a.m.-5:00 p.m.).
January 9, Wednesday	Registration for spring semester 1991 reopens, drop/add continues.
January 9-11, Wednesday-Friday	Advising/Registration.
January 10, Thursday	Residence Halls open (Noon).
January 14, Monday	Classes begin.
January 18, Friday	Last day to register except by petition (8:30 a.m.-5:00 p.m.). Last day to add except with consent of instructor and department head. Last day to drop except with the consent of instructor.
January 21, Monday	Registration by petition only.
January 25, Friday	Last day for 100% refund for dropping a class or withdrawing from the University. Last day for student health insurance refund.
January 25, Friday	Last day to file with department for admission to candidacy for Master's Degree—departmental office.
January 25, Friday	Last day to file application for graduation for Master's, Baccalaureate, and two-year or less degrees, diplomas, and certificates—Registrar's Office.
February 1, Friday	Last day to file CSS Financial Aid Form to be considered for 1991-92 need-based scholarships.
February 15, Friday	Last day to make class changes or register by petition for first 8-week block courses.
February 18, Monday	President's Day Holiday (school closed).
March 1, Friday	Last day to file BSU scholarship application to be considered for 1991-92 merit scholarships and need-based scholarships.
March 1, Friday	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.)
March 1, Friday	College of Business: last day to petition for upper division admission for summer session and fall semester, 1991.
March 1, Friday	Last day to submit names for faculty initiated withdrawal notifications.
March 8, Friday	Notification of incompletes from previous semester.
March 8, Friday	Mid-semester grades submitted to Registrar by Noon.
March 8, Friday	Last day to file application with department for final Master's written exam.
March 11, Monday	Second 8-week block begins.
March 22, Friday	Last day to make class changes or register by petition.
March 25-31, Monday-Sunday	Spring Vacation.
April 1, Monday	Classes resume.
April 3, Wednesday	Advising begins for continuing students for summer/fall, 1991.
April 6, Saturday	Final day for written exam for Master's Degree.
April 8-26, Monday-Friday (3 weeks)	Registration for summer and fall 1991 begins for continuing students.
April 12, Friday	Last day for final oral and project/thesis defense.
April 19, Friday	Last day to make class changes or register by petition for second 8-week block courses.
April 26, Friday	Last day to submit final signed copy of Master's project/thesis with department.
May 3, Friday	Classroom instruction ends. Last day for complete withdrawal.
May 6-10, Monday-Friday	Final Semester Examinations.
May 11, Saturday	Residence Halls close.
May 12, Sunday	Commencement — Pavilion (2:00 p.m.).
May 14, Tuesday	Grade reports due to Registrar (Noon).

Summer Session 1991

For Registration Information, See Summer Class Schedule

May 1, Wednesday	Last day to file 1990-91 CSS Financial Aid Form to be considered for summer need-based financial aid.
June 10, Monday	Classes begin for 8-week, 10-week, and first 5-week sessions. (For refund information, see summer class schedule.)
July 4, Thursday	Independence Day Holiday (school closed).
July 12, Friday	First 5-week session ends.
July 15, Monday	Classes begin for second 5-week session.
August 2, Friday	End of 8-week session.
August 16, Friday	End of 10-week session and second 5-week session.



General Information

The University

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

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

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

At Boise State, students may choose to study in any one of 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

General Information.

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.

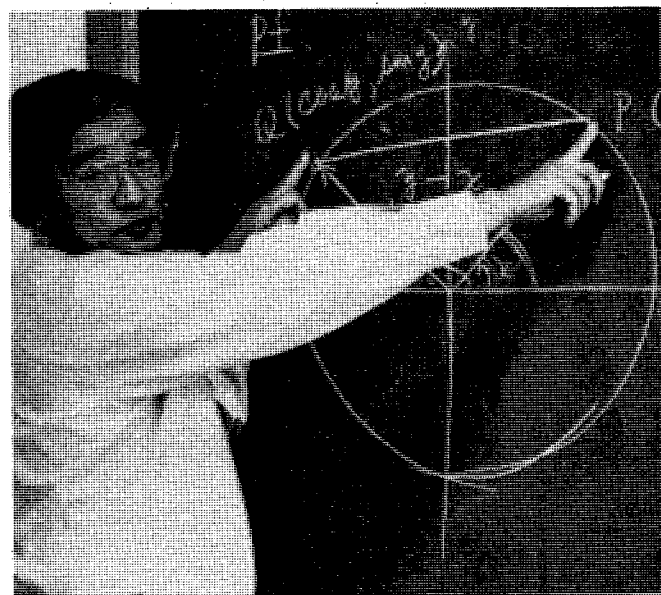
The program in Dental Assisting is accredited by the American Dental Association Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education.

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, indoor Recreation Center, lounges, art gallery, Outdoor Rental Center, Bookstore, ticket sales and information desk. With over 6,000 visitors per day and 7,000 programs and events per year, the UNION is home to University meetings, conferences, student activities, organizations, and the Associated Students of Boise State

University (ASBSU).

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 **SIMPLIOT/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 325,000 monograph volumes and 52,000 bound periodicals that support curricular and research needs, 4,400 current periodicals, newspapers and other serials, 116,000 maps, 145,000 government publications, and 840,000 microform pieces.

Access to the collections is primarily through a brand 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.

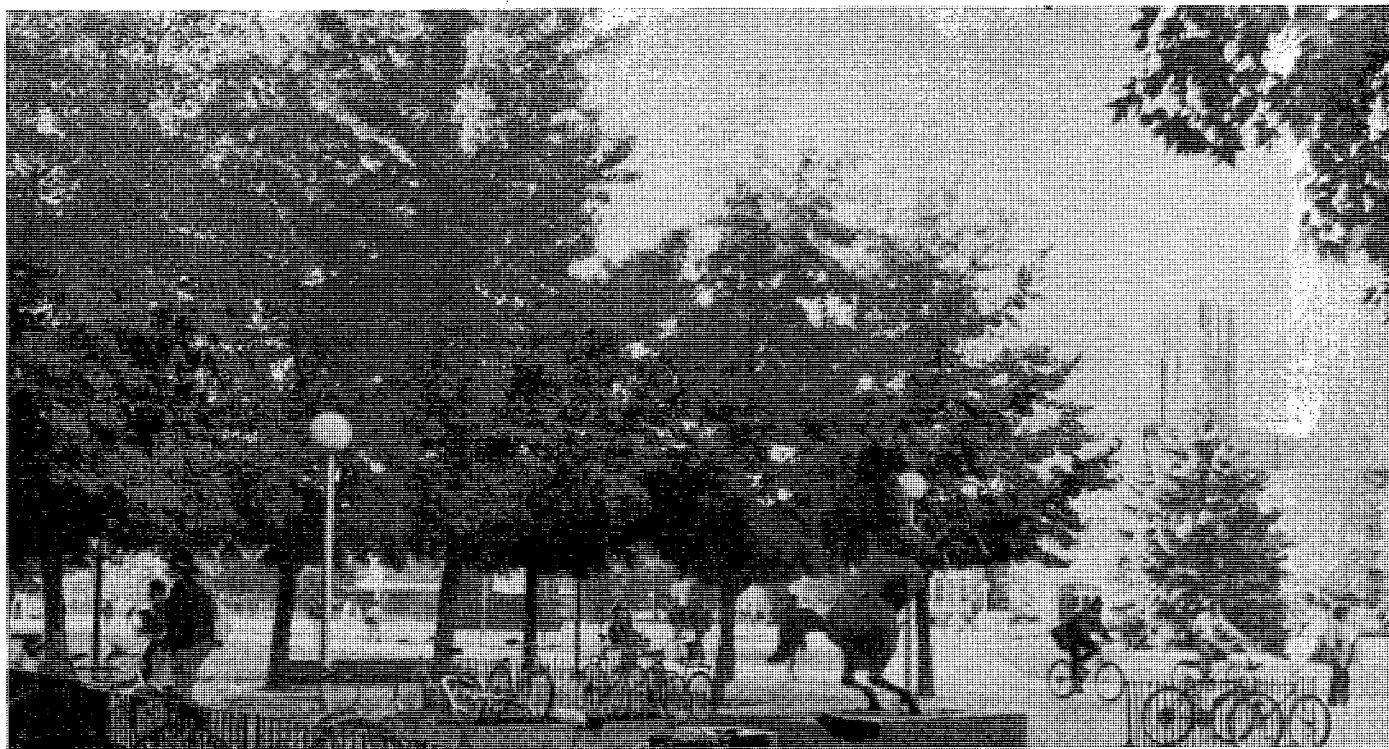
There are IBM personal computers and a variety of Apple and Commodore computers in Room 417 of the Education Building, with more than 1,200 programs on subjects ranging from English to Economics. The College of Health Science has personal computers for tutoring, clinical test simulation and teaching 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 3B2 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.

Part 2



Admission, Tuition and Fees, Financial Aid and Student Housing Information

Questions about admissions requirements should be directed to:

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

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). (Does not apply to students graduating from high school or receiving a GED prior to 1989.)
 4. Official transcript from high school showing date of graduation or a GED transcript showing acceptable 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 only.

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.

MATHEMATICS 4 credits minimum,
6 credits recommended

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 4 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.

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 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 petition 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 students 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: August 1
Spring Semester Deadline: November 30

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. Note: This is **not** a probationary status. Students admitted with Provisional status must apply for regular status within three (3) registration periods, 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 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 pro-

gram 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); VEAP 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 encouraged 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

The School of Vocational Technical Education admits applicants who are high school graduates or who have successfully completed the GED test to regular full-time preparatory programs.

Students wishing to enter the BSU School of Vocational Technical Education must submit the following to the School of Vocational Technical Education Student Services office prior to the deadline date:

1. A completed BSU application submitted to the Student Services Office of the School of Vocational Technical Education.
2. A \$15.00 non-refundable application processing fee.

Admissions Information

- An official high school transcript from an accredited high school showing date of graduation or a GED certificate showing individual test scores.
- An official college transcript from all colleges attended showing good academic standing.

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

The transcript(s) become the property of the university and cannot be returned or forwarded to any person, institution or agency. Copies of transcripts will be made only for BSU academic advising purposes.

- A completed ASSET Assessment.
- Personal interview.
- \$75 advance security registration deposit.

The Health programs have additional requirements.

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

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.

- All students holding a bachelor's or higher degree must submit a graduate application for admission to the Graduate College and pay a non-refundable \$15.00 application processing fee.
- All graduate students, except the categories listed 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 BSU Graduate Admissions Office.

Exempt categories: Students enrolling for 7 or fewer credits 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 course work 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, Geophysics, Geology or Interdisciplinary Studies must provide GRE (Graduate Record Examination) results.

In addition to the academic records and official TOEFL scores, all applicants must submit the following:

- A Foreign Student Application for Admission.
- A non-refundable application processing fee of \$15.00.
- 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 about tuition and fees should be directed to:

Business Office
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 registration are due and payable on the day the registration occurs. Special fees are due at the time registration fees are paid.

Questions about 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

Tuition or Fees	Idaho Resident	Non-Resident
Tuition (per semester)	\$ 0.00	\$ 950.00
Institutional fees (Undergraduate)	622.00	622.00
Institutional fees (Graduate)	789.00	789.00
Total (Undergraduate)	622.00	1572.00
Total (Graduate)	789.00	1739.00

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:

- At least 40 percent of fees and tuition must be paid at the time of registration.
- 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.
- Service charges for the deferred payment plan are based upon the amount deferred as follows:

AMOUNT DEFERRED	SERVICE CHARGE
\$100-\$299	\$10
\$300-\$499	\$15
\$500-\$799	\$20
\$800 and over	\$25

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.

- The deferred balance is payable in two equal installments, which

Admissions Information

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.

- 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.
- 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.
- 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.
- 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 Admissions Office. Section 33-3717, Idaho Code, specifies that a resident student shall be:

- Any student whose parents or court-appointed guardians are domiciled in the State of Idaho and provide more than fifty percent (50%) of his support. Domicile means an individual's true, fixed and permanent home and place of habitation. It is the place where he intends to remain and to which he expects to return when he leaves without intent to establish a new domicile elsewhere.
To qualify under this section, the parents or guardian must be residing in the state on the opening day of the term for which the student matriculates.
- 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.
- 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.
- 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.
- A member of the armed forces of the United States, stationed in the State of Idaho on military orders.
- 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.
- 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.
- 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).....	\$61.75 per Sem Hr
(7 or fewer credit hours)	
Part-fees (Graduate).....	\$78.75 per Sem Hr
(7 or fewer credit hours)	
Summer (Undergraduate).....	\$61.75 per Sem Hr
Summer (Graduate).....	\$78.75 per Sem Hr
Application Processing Fee (Non-refundable).....	\$15.00
Overload Fee (Per credit hour cost over 19 credits).....	Variable
Duplicate 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 year of study and each semester thereafter until successful completion. No more than four semesters of fees for this purpose will be waived.

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

Insurance Coverage: All 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 dependent's 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 10 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 nonresident 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 information concerning refund policy.

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

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

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

No private music lesson refunds will be allowed after the 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 expenses. The primary responsibility for meeting educational costs rests with the individual student and/or parents.

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

To be eligible to apply for financial aid, a student must be a U.S. citizen or permanent resident, enroll for credit for at least 6 semester hours and show financial need. Financial aid is determined by the 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 ensure fair distribution of the resources available to the university.

Application Procedures

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

1. Financial Aid Form (FAF)

The FAF is one of two forms that must be completed by students applying for need-based aid, including need-based scholarships. The FAF must be sent directly to the 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. BSU Application for Scholarship (Optional)

This form must be submitted to apply for most scholarships available through the university. It should be sent directly to the Financial Aid Office. The "Boise State University Scholarships" brochure lists all scholarships available through Boise State University and is available on request from the Financial Aid Office. Need-based scholarship applicants must submit the FAF by February 1.

3. 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.

4. Other Documents

Other documents may be required to process a financial aid application and will be requested by the Financial Aid Office. These documents can include, but are not limited to: tax returns, proofs of citizenship, proof of veterans benefits, permission to release private records and so on.

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 remaining 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 mid-summer billing.

Summer Session: The university has financial aid available on a restricted basis during the summer. Students in need of financial aid who 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 award 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 (SSIG) are awarded to undergraduate students who show exceptional financial need.
3. Perkins National Direct Loan (Perkins/NDSL). Perkins/NDSL is a long-term, low interest (5%) loan that must be repaid to the university according to specific Federal guidelines. Repayment 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)

Loan Amount	Number of Payments	Amount of Payments	Total Interest	Total Amount
\$ 1,000	36	\$ 30*	\$ 78.85	\$ 1,078.85
2,000	79	30*	347.90	2,347.90
4,000	120	42.42	1,090.40	5,090.40
6,000	120	63.63	1,635.60	7,635.60
8,000	120	84.85	2,182.00	10,182.00
10,000	120	106.06	2,727.20	12,727.20

(*Final payment will be slightly less.)

4. College Work Study Program (CWSP) provides an opportunity for students to work and pay for a portion of their educational expenses. Checks are payable directly to the student who is then responsible for paying outstanding debts. CWSP is awarded to selected undergraduate and graduate students who show need.
5. Idaho Work Study Program provides funds through student employment. 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 CWSP, but who desire to work to pay a portion of their educational expenses.
8. Scholarships may be based on academic achievements, special skills, talent, or a combination of financial need and academic achievement.

Admissions Information

ment. 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.

- 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.
 - 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.
 - Congressional 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 Guaranteed Student Loan (GSL). Guaranteed Student Loan 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 Guaranteed Student Loans are accepted and processed throughout the year. Repayment begins 6 months after graduation or 6 months after the student has dropped below 6 credit hours (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. GSL is 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)

Loan Amount	Number of Payments	Amount of Payments	Total Interest	Total Amount
\$ 2,500	60	\$ 50.70*	\$ 541.46	\$ 3,041.46
5,000	60	101.39*	1,082.92	6,082.92
10,000	120	121.33*	4,559.31	14,559.31
12,500	120	151.67*	5,699.14	18,199.14
25,000	120	303.33*	11,398.28	36,398.28

(*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 a 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 two 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 Guaranteed Student 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:

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

Enrollment Status

Full-time Undergraduate	= 12+ credits per semester
Part-time Undergraduate	= 6*-11 credits per semester
Full-time Graduate	= 9+ credits per semester
Part-time Graduate	= 5*-8 credits per semester

*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 on probation 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 can file an appeal for 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:

SEM	Bachelor's		Associate		Master's	
	Full time	Part time	Full time	Part time	Full time	Part time
1	9	6	9	6	9	5
2	18	12	18	12	18	10
3	30	18	30	18	27	15
4	42	24	42	24	30	20
5	54	30	54	30		25
6	66	36	66	36		30
7	78	42		42		
8	90	48		48		
9	102	54		54		
10	114	60		60		
11	126	66		66		
12	128	75				
13		84				
14		93				
15		102				
16		111				
17		120				
18		128				

Maximum Time Allowed for Completion of Degree/Certificate Objectives

Type of Degree/Certificate	Maximum time allowed for completion of degree	
	Full-time	Part-time
Master's	2 years	3 years
Bachelor's	6 years	9 years
Associate	3 years	5.5 years
Vo Tech & Certificate Programs	Within normal program length: (E.g., 11 months for an 11-month program)	

To qualify for the part-time completion time frame, the student must have enrolled part-time at least 50% of the time. 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:
Student Residential Life
Boise State University
1910 University Drive, A 214
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.

Admissions Information

Meal Options and 1989-90 Prices

	Room Choices	
	Double	Single
Option 1 (19 meals per week, 3 each weekday and 2 on Saturday and Sunday)	\$2640	\$3025
Option 2 (any 15 meals of the 19 available)	\$2556	\$2947
Option 3 (any 10 meals of the 19 available)	\$2427	\$2812

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 security deposit. 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 (\$100.00), and pay one month's rent prior to receiving confirmation to move into the apartment. A \$10.00 processing fee is taken from the \$150.00 security deposit upon termination of the lease.

Rental Rates Per Month (1989-90 prices)

University Courts	
Small One Bedroom.....	\$170.00
Large One Bedroom.....	\$215.00
Two Bedroom.....	\$250.00
Three Bedroom.....	\$280.00
University Heights	
One Bedroom.....	\$250.00
Two Bedroom.....	\$275.00
University Manor	
One Bedroom.....	\$250.00
Two Bedroom.....	\$275.00

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

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

Sororities and Fraternities

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

Two national sororities—Alpha Chi Omega and Gamma Phi Beta, and one local sorority—Lambda Delta Sigma—and three national fraternities—Kappa Sigma, Sigma Phi Epsilon, and Tau Kappa Epsilon and one local fraternity—Sigma Gamma Chi—are actively involved at Boise State University. Membership is open to all full-fee students.

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

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

Off Campus Student Housing

Lists of available housing are on file in the Office of Student Residential Life, 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:
Full-time: 12 or more undergraduate semester hours
3/4-time: 9-11 undergraduate semester hours
1/2-time: 6-8 undergraduate semester hours
Less than 1/2-time: 5 or fewer undergraduate semester hours

Graduate:
Full-time: 9 or more graduate semester hours
3/4-time: 6-8 graduate semester hours
1/2-time: 4-5 graduate semester hours
Less than 1/2-time: 3 or fewer graduate semester hours

Academic Information

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.

Right of Petition

Each student has the right to petition for an exception to an academic policy or requirement if its strict application would result in undue hardship. The intent of "undue hardship" is to address a situation or condition which is considerably more serious in its implications than an "inconvenience." Petitions should be addressed to the academic dean of the appropriate college/school utilizing the form(s) prescribed by that unit.

Grading System

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

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

Computation of the Grade Point Average:

1. In computing the 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 such

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

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

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

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

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

Repeat of a Course: A student 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 the 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 course(s) 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 date to make class changes for that semester (refer to academic calendar for exact date). The list must include student name, student number and corresponding course and section number. It is the responsibility of the faculty member and department to notify the student of this action.

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

Administrative Hold 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).

Academic Information.

The Vice-President for Student Affairs, Dean of Admissions, Director of Administrative 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.

Total Cumulative Credits Earned	Minimum BSU Cumulative GPA
0-6	1.00
7-32	1.60
33-64	1.80
65 or more	2.00

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

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

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

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

(3-0-3)	Indicates a typical three hour lecture class for three credits.
(3-4-5)	Indicates three hour lecture, 4 hours laboratory and 5 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 chairman or his representative.

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

Admission to Upper Division Courses: Upper-division courses are open to students who have completed the stated course prerequisites and 58 semester credits of college work.

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

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

University-Wide Course Numbers

Undergraduate

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

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.

239-439 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.

NOTE: 297 or 497 Honors or Interdisciplinary Humanities courses may be allowed to apply toward core requisites; however, other departmental Special Topics courses may apply toward graduation.

297 SPECIAL TOPICS (1-4 credits).

299 TELECOURSE (1-3 credits). Telecourses provide an opportunity for home study through the medium of television augmented with appropriate textbooks and written assignments. Each course carries regular college credit which fulfill general elective requirements ONLY. No more than 12 Telecourse credits may be applied toward university graduation requirements. Graded Pass/Fail.

496 INDEPENDENT STUDY (1-4 credits). Individual study of either a reading or project nature. Offered on demand. Student must make application well in advance of this special study experience. May be repeated for a maximum of 9 credits; 6 credits in any one academic year. **PREREQ:** Consent of instructor and department chairman, upper division standing.

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

498 SEMINAR (1-4 credits).

499 SEMINAR (1-4 credits).

Graduate

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

580-589 SELECTED TOPICS Subjects normally offered and studied in one department can be divided into no more than 10 areas. Each area will be assigned one number of the 580-589 group. Although the topics considered in the courses in any one area may vary from semester to semester, repeated use on any one number implies that the topics continue to be selected from the same area.

590 PRACTICUM

591 PROJECT

592 COLLOQUIUM

593 THESIS

594 EXTENDED CONFERENCE OR WORKSHOP (Graded A through F OR Pass/Fail).

595 READINGS AND CONFERENCE

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

597 SPECIAL TOPICS

598 SEMINAR

599 SHORT TERM CONFERENCE OR WORKSHOP (Graded Pass/Fail). Generally the 599 number is used for courses meeting 3 weeks or less and the 594 for courses meeting more than 3 weeks. The decision, however, is made by the department or school offering the course.

Graduation Requirements

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

Academic Information

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:

Test Score %	Class Indicated
0-19	E 010 Developmental Writing
20-89	E 101 English Composition
90-100	E 111 Honors English
	or
	E 101-099 English Challenge

For testing times and locations, contact Sherry Gropp, 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 are general education requirements required of all students seeking a Baccalaureate degree. Courses in the following lists have been approved to satisfy the core requirements.

Area I—Arts and Humanities

- AR 101, 102 Survey of Western Art
- AR 103 Introduction to Art
- AR 105, 106 Basic Design
- E 215 Far Eastern Literature in Translation
- E 230 Western World Literature
- E 235 Western World Literature
- E 240 Survey of British Literature to 1790
- E 260 Survey of British Literature: 1790 to Present
- E 271 Survey of American Literature: Begin to Civil War
- E 272 Survey of American Literature: Civil War to Present
- F 201, 202 Intermediate French
- G 201, 202 Intermediate German
- HU 207, 208 Introduction of Humanities
- IH 101 Humanities: A View of Human Nature, I

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

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

Area II—Social Sciences

- AN 101 Physical Anthropology
- AN 102 Cultural Anthropology
- AN 103 Introduction to Archaeology
- CM 111 Fundamentals of Speech Communication
- CM 112 Reasoned Discourse
- EC 201 Principles of Economics-Macro
- EC 202 Principles of Economics-Micro
- GG 101 Introduction to Geography
- GG 102 Cultural Geography
- HY 101, 102 History of Western Civilization
- HY 105 Eastern Civilization
- HY 151, 152 United States History
- HY 201, 202 Problems in Western Civilization
- HY 251, 252 Problems in U.S. History

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

- PO 101 American National Government
- PO 141 Contemporary Political Ideologies
- PO 231 International Relations
- P 101 General Psychology
- SO 101 Introduction to Sociology
- SO 102 Social Problems
- SO 230 Intro to Multi-Ethnic Studies
- SW 101 Intro to Social Work
- TE 201 Foundations of Education

Area III—Natural Science-Mathematics

- B 100 Concepts of Biology
- BT 130 General Botany
- C 100 Concepts of Chemistry
- C 107 Essentials of Chemistry
- C 108 Laboratory for Essentials of Chemistry
- C 109 Essentials of Chemistry
- C 110 Laboratory for Essentials of Chemistry
- C 131 College Chemistry
- C 132 Laboratory for College Chemistry
- C 133 College Chemistry
- C 134 Laboratory for College Chemistry
- EN 100 Energy for Society
- GO 100 Fundamentals of Geology

NOTE: Concurrent enrollment in the appropriate lecture is required.

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

NOTE: Concurrent enrollment in the appropriate lecture is required.

NOTE: Concurrent enrollment in the appropriate lecture is required.

NOTE: Students CANNOT receive credit for C 133 if they received credit for C 100.

NOTE: Concurrent enrollment in the appropriate lecture is required.

- GO 101 Physical Geology
- GO 103 Historical Geology
- M 100 Mathematics for Liberal Arts Students
- M 105, 106 Mathematics for Business Decisions
- M 111 Algebra and Trigonometry
- M 204, 205, 206 Calculus and Analytic Geometry
- M 211, 212 Accelerated Calculus
- PS 100 Foundations of Physical Science
- PH 101, 102 General Physics
- PH 105 Introduction to Descriptive Astronomy
- PH 211 Mechanics, Wave & Heat
- PH 212 Mechanics, Wave & Heat Lab
- PH 213 Electricity, Magnetism and Optics
- PH 214 Electricity, Magnetism and Optics Lab
- Z 130 General Zoology
- Z 111, 112 Human Anatomy & Physiology

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.

Application for Graduation

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

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

Baccalaureate Degrees

Minimum Graduation Requirements (Credits)

All Baccalaureate Degrees

General College Requirements (minimum)

- Total credits for graduation must equal 128. These must include:
English Composition E 101, 102.....3-6
Upper Division credit hours.....40

- Grade Point Average for all courses taken must equal 2.0 or greater.
- Other College Requirements:

- Meet minimum requirements for one of the degrees offered.
- Meet specific requirements for a departmental major.
 - Students must have a minimum cumulative 2.00 GPA in all courses required by their major.
 - Students will not be allowed credit toward their major department requirements for any grade of "D" in upper division courses in their major department.
 - 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.
- A minimum of 15 credit hours of electives outside of the major field.
- Minimum credit hours in residence: The last 30 credit hours prior to graduation must be taken at the university during the regular or summer sessions.
- 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.

Requirements for Additional Baccalaureate Degree:

- A minimum of 30 additional semester hours of resident work, beyond the hours required for their first degree, for each subsequent degree.
- 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.
- 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.

Bachelor of Arts Degree

Minimum Credit Requirements

- General University Requirements
English Composition E 101, 102.....3 or 6
NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
- Area I Requirements
Arts & Humanities.....12
 - Three credits in Literature
 - Three credits in a second field
 - Three credits in a third field
 - Three credits in any Area I field
- Area II Requirements
Social Sciences.....12
 - Three credits in History
 - Three credits in a second field
 - Three credits in a third field
 - Three credits in any Area II field
- Area III Requirements
Natural Science-Mathematics.....12
 - 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
 - Any three of the following courses except no more than two from a single department:
 - Biology—Concepts of Biology
 - Chemistry—Concepts of Chemistry
 - Geology—Fundamentals of Geology
 - Mathematics—Mathematics for Liberal Arts Students
 - Physics, Engineering, and Physical Science
 - Energy for Society
 - Introduction to Descriptive Astronomy
 - Either Foundations of Physical Science or A Cultural Approach to Physics, but not both
- 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
• Economics	• Political Science
• Foreign Language (201 or higher of one language)	• Psychology
• Geography	• Social Work
• History	• Sociology
• Humanities	• Teacher Education
	• Theatre Arts

- Departmental major

Academic Information

Bachelor of Science Degree

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 exam. See General University Requirements (Core) for details.

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

a. A year's sequence chosen from:

- 1) Biological Sciences
- 2) Mathematics
- 3) Physical Sciences

NOTE: The Physical Sciences include courses in Chemistry, Geology, Physical Science and Physics.

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

OR

b. Any three of the following courses except no more than two from a single department:

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

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

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

6. Departmental Major

Bachelor of Business Administration Degree

Minimum Credit Requirements

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

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

2. Area I Requirements
Arts & Humanities 6
3. Area II Requirements
Social Sciences 12
Economics 6
Area II credits other than in Economics 6
4. Area III Requirements
Total Area III Requirements 12
Two-semester sequence in math 8
One-semester physical or biological science 4

Suggested science courses:
Concepts of Biology, B 100

Concepts of Chemistry, C 100
Fundamentals of Geology, GO 100
Foundations of Physical Science, PS 100
Introduction to Descriptive Astronomy, PH 105

5. An additional 16 hours are required in lower or upper division courses outside the College of Business. These additional credits, which are not restricted to the university Core courses, must include courses from at least two of the three areas listed below (but shall not include more than three credits in fitness activity courses).

Area I

- Art
- Foreign Language
- Literature
- Humanities
- Music
- Philosophy
- Theatre Arts

Area II

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

Area III

- Biological Sciences
- Mathematics
- Physical Sciences

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..... 3 or 6

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

2. Area I Requirements
Arts & Humanities 9
Literature 6
Other courses 3
No fewer than 3 credits selected from:
Introduction to Music
Introduction to Theatre
Introduction to Humanities
Introduction to Philosophy or Ethics
Foreign Language (201 or higher of one language)

3. Area II Requirements
Social Sciences 9
Lower Division History 3
Other courses 3
No fewer than 3 credits selected from:

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

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

4. Area III Requirements
Natural Science-Mathematics 8

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
- Fundamentals of Geology
- Foundation of Physical Science
- Intro to Descriptive Astronomy
- Mathematics for Liberal Arts Students

5. Individual departmental major listings in other parts of the catalog may specify how Area I, II, and III requirements are to be fulfilled.
6. A candidate for the BFA degree must have Art Department approval during his/her junior year.

Bachelor of 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 9
 - Arts & Humanities 9
 - Literature 3
 - Three credits in a second field 3
 - Three credits in any of the following fields 3
 - Art
 - Humanities
 - Literature
 - Music
 - Philosophy
 - Theatre Arts
3. Area II Requirements 9
 - Social Sciences 9
 - History 3
 - Three credits in a second field 3
 - Three credits in any of the following fields 3
 - Anthropology
 - Communication
 - Economics
 - Geography
 - History
 - Political Science
 - Psychology
 - Social Work
 - Sociology
 - Teacher Education
4. Area III Requirements 8
 - 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 12
Social Sciences 12
Three fields must be represented
4. Area III Requirements 12
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) minimum of 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 12
Social Sciences 12
Three fields must be represented
5. Area III Requirements 12
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

Academic Information

- Chemistry
- Communication
- Economics
- Engineering
- Geography
- Geology
- History
- Physics
- Political Science
- Psychology
- Social Work
- Sociology
- Teacher Education

7. Upper Division
Electives 13

NOTE: Students seeking the B.A.S. degree must earn a minimum of 22 upper division credits.

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 Minor and Gerontology Minor.

Art	English	Philosophy
Art History	Mathematics	Physics
Business	Multi-Ethnic Studies	Political Science
Chemistry	Music	Theatre Arts
Construction Management		

Pre-Law Curriculum

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

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

Associate of Applied Science Degree

Some programs in the School of Vocational Technical Education lead to an Associate of Applied Science degree. The standard requirements for this degree are as follows:

1. Technical Education Requirements—56 credit hours or equivalent clock hours.
 - a. Technical Coursework: 42-46 credit hours or equivalent clock hours.
Program elements which contain instruction directly related to a specific technical area (i.e., skills and knowledge that a person must possess to function as a technician). Course content is determined through a task analysis of the occupation for which training is provided. Local advisory committees may provide additional information.
Example: Technical Mathematics/Technical Science/Etc.
 - b. Technical Support Coursework: 10-14 credit hours or equivalent clock hours.
Coursework which supports and relates to the technical content of the program. Content provides the basic tasks needed for the individual to function at an acceptable level within the technical field.
Example: Mathematics/Physical Science/Etc.
2. General Education Requirements: 12 credit hours or equivalent clock hours.
Six credits in the area of Communication Skills; the remaining credits are in economics, industrial relations, or human relations.

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

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

Major Names and Degree Abbreviations

- 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)
 - Word Processing Option (AAS)
- Business Machine Technology (AAS)
- Chemistry (BS)
- Chemistry, Secondary Education (BS)
- Child Care Studies: Day Care Assistant (CC)
- Child Care Studies: Teacher-Supervisor (AAS)
- Communication/English Combination (BA)
 - Communication
 - Journalism
- Communication (BA)
 - Communication
 - Communication Training & Development
 - Mass Communication/Journalism
 - Communication, Secondary Education
- Communication (MA)
- Computer Information Systems (BBA, BA, BS)
- Construction Management (BS)
- Criminal Justice Administration (AS, BA, BS)
 - Criminal Justice Administration
 - Corrections/Counseling
 - Courts/Law
 - Law Enforcement
 - Planning and Administration
- Culinary Arts (CC, AAS)
- Dental Assisting (CC)
- Drafting Technology (AAS)
- Earth Science Education, Secondary Education (BS)

- Economics (BBA, BA, BS)
 - Social Science emphasis
 - Quantitative emphasis
- 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)
 - Areas of Specialization:
 - Early Childhood Education (Certification)
 - Library Science (Endorsement)
 - Reading (Endorsement)
 - Special Education (Certification)
- Elementary Education-Bilingual-Cultural (BA)
- English (BA)
 - Liberal Arts Option
 - General Literature Option
 - General Option
 - General Option with emphasis in:
 - American Literature
 - British Literature
 - Linguistics
 - World Literature
 - Writing
- English, Secondary Education (BA)
- English (MA)
- Environmental Health (BS)
- Exercise and Sport Science (MS)
- Finance (BBA, 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 Environmental Technician (AAS)
- Industrial Mechanics/Automation (CC)
- Interdisciplinary Studies (BIS, MA, MS)
- Machine Shop (AAS, Diploma)
- Management (BBA, BA, BS)
 - Entrepreneurial Option
 - Human Resource Management Option
 - Transportation Option
- Manufacturing Technology (AAS)
- 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
 - Performance
 - Theory-Composition
- Music Education (BM, MM)
- Pedagogy (MM)
- Masters in Education (MA, MS)
 - Art
 - Curriculum and Instruction
 - Early Childhood
 - Earth Science
 - Instructional Technology
- Mathematics
 - Reading
 - Special Education
- Nursing (AS, BS)
- Philosophy (BA)
- Physical Education (BS)
 - Secondary Education Option
 - Non-Teaching Option
- Physics (BS)
- Physics, Secondary Education (BS)
- Political Science (BA, BS)
 - American Government Systems & Process
 - International Relations
 - Political Philosophy and Public Law
 - Public Administration
- Political Science, Social Science, Secondary Education (BA, BS)
- Practical Nursing (CC)
- Pre-Architectural Program (—)
- Pre-Dental Hygiene (—)
- Pre-Dietetics (—)
- Pre-Engineering (—)
- Pre-Forestry & Wildlife Management (—)
- Pre-Medical & Pre-Dental (BS)
 - Biology
 - Chemistry
- Pre-Occupational Therapy (—)
- Pre-Optometric (—)
- Pre-Pharmacy (—)
- Pre-Physical Therapy (—)
- Pre-Technical Sequence (—)
- Pre-Veterinary Medicine Studies (BS)
- Production & Operations Management (BBA, BA, BS)
- Psychology (BA, BS)
- Public Affairs (MPA)
- Radiologic Technology (AS, BS)
- Raptor Biology (MS)
- Refrigeration, Heating & Air Conditioning (CC)
- Respiratory Therapy (AS, BS)
- Respiratory Therapy Technician (CC)
- 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)

(*Off-Campus Locations only)

Minors Offered

- Accounting
- Anthropology
- Art
- Biology
- Business
- Chemistry
- Construction Management
- Economics
- English
- International Business
- Mathematics
- Multi-Ethnic Studies
- Music
- Philosophy
- Physics
- Political Science
- Theatre Arts

Part 4



Academic Enrichment and Special Programs

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.

Additional Academic Opportunities: The Honors Program is both directly and indirectly involved in several other programs that benefit its students. They include: Independent Study, Advanced Placement, Internship, Credit by Examination (Challenge), College Level Examination Program (CLEP), and Honors Studies Abroad.

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

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

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

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

HP 198 H, 298 H, 398, 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.

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

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

HP 391 H PROSPECTUS PREPARATION FOR SENIOR HONORS PROJECT (1 credit)(F/S). The student shall prepare a prospectus for the Senior Honors Project, consisting of three parts: a description of the proposed project, a preliminary bibliography, and a topical or procedural outline.

HP 491 H SENIOR HONORS PROJECT (3 credits)(F/S). A senior honors project shall be required of all students wishing to graduate with honors or distinguished honors. Such a project shall be the result of significant individual effort by the student, with appropriate faculty supervision. The project may involve library, laboratory, or field work or may be creative if appropriate to the discipline as determined by the department involved and the director of the honors program.

Bachelor of Interdisciplinary Studies Degree

The Bachelor of Interdisciplinary Studies Degree is offered by Boise State University and administered by the College of Arts and Sciences.

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 Studies in the 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 School of Social Sciences and Public Affairs participate.

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

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

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)(F). 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)(F). As a continuation of IH 101, this lecture/discussion course focuses on humanistic perceptions and assumptions concerning how people understand and respond to society and 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 beings. PREREQ: IH 101.

IH 111 HUMANITIES: A VIEW OF HUMAN NATURE, III, "Consciousness and Human Imagination" (3-0-3)(S). This course will examine the human imagination as a necessary constituent of each person's consciousness of his lived experience, i.e., it will analyze the role that human imagination plays for each of us in making our everyday lives, private and social, livable, understandable, and worthwhile. 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)(S). This course assumes that the future will be shaped through human choice and will explore the role of the humanities in understanding and defining the conditions necessary to making human choices: self-knowledge, understanding language, and understanding ways of knowing. Since the humanities are involved with a constant examination of human values, it will also consider plans and strategies for maintaining conditions for genuine human choice. This course focuses on methods of conceptualization, the way in which

Academic Enrichment and Special Programs

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 E 101.

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

Student Government Courses

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), (2) 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.

SG 188, 496 STUDENT GOVERNMENT INDEPENDENT STUDY (1-3 credits).

Canadian Studies Minor

The Canadian Studies Minor, consisting of 18 credit hours, of which six are required, is designed to compliment any university major. The program is interdisciplinary in its approach and at the same time permits students to pursue their interest areas in Canadian Studies. Students in business, health, education and the liberal arts are encouraged to pursue the program. Upon successful completion of the 18 credit hours, the student will receive a certificate of completion, which will be noted on the transcript.

Canadian Studies Courses

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

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

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

AN 307	Indians of North America
AN 312	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	Lectures avances de la poesie et de la prose francaises
F 359	Les grandes oeuvres contemporaines (1939 to the present)
F 376	La Civilization francaise historique
F 377	La Civilization francaise moderne
HY 335	Diplomatic History of the United States
HY 380-480	United States Canadian Accords
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.....	4
or	
Concepts Human Anatomy & Physiology Z 107.....	8
or	
*Human Anatomy & Physiology Z 111, 112.....	8
TOTAL	10-14

UPPER DIVISION REQUIREMENTS:

Sociology of Aging SO 325.....	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.....	6
TOTAL	21

*Lower Division required courses meet core requirements.
**Prerequisites are SO 325, P 313, B 300 or PERM/INST.

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
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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 chairman.

Upper division students are eligible for one to four credits of Independent Study per semester. A total of nine credits counted toward graduation can be taken, with no more than six credits taken in any given academic year.

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

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

Advanced Placement and Credit

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

Registrar's Office
Boise State University
Administration Building — Room 102
1910 University Drive
Boise, Idaho 83725
(208) 385-~~4477~~ 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 studies, completing advanced high school courses, auditing college courses, completing non-collegiate training sessions, on-the-job training and/or other experiences.

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

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

College Level Equivalency Program (CLEP)

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

ENGLISH COMPOSITION	(score of 498 or above) 3 hrs, LD elective
NATURAL SCIENCES	(score of 447 to 529) 4 hrs, Area III Core
	(score of 530 or above) 8 hrs, Area III Core
MATHEMATICS	(score of 446 or above) 4 hrs, Area III Core
HUMANITIES	(score of 452 to 513) 3 hrs, Area I Core
	(score of 514 or above) 6 hrs, Area I Core
SOCIAL SCIENCES & HISTORY	(score of 453 to 506) 3 hrs, Area II Core
	(score of 507 or above) 6 hrs, Area II Core

CLEP Subject Exams by the CEEB: The CLEP Subject Exams are designed to test achievement in specific college subjects in a variety of areas. A currently enrolled Boise State University student may earn

a minimum of two hours of lower division elective credit for any CLEP Subject Exam passed with a score at or above the 50th percentile (national norms) providing that the credit earned does not duplicate college credit earned previously for the same subject material.

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

Analysis and Int of Lit (51)*	E 102, English Composition (3)
Biology (49)**	B 100, Concepts of Biology (4)
General Chemistry (50)	C 107, 108, Essentials of Chem (4)
	or C 131, 132, College Chemistry (4)
College Algebra (48)	M 108, Intermediate Algebra (4)
College Algebra & Trig (50)	M 111, Algebra and Trig (5)
Calculus with Elem Functions (49)	M 204, Calculus and Anal Geom (5)
Introduction to Accounting (50)	AC 205, Intro to Finan Acctng + AC 206, Intro to Manag Acctng (6)
Intro to Management (49)	MG 301, Mgmt & Organ Theory (3)
Introduction Marketing (50)	MK 301, Principles of Marketing (3)
American Government (50)	PO 101, American National Govt (3)
Introductory Sociology (50)	SO 101, Introduction to Sociol (3)
General Psychology (50)	P 101, General Psychology (3)
Educational Psychology (49)***	P 220, Educational Psychology (3)
Western Civilization I (49)	HY 101, History of Western Civ (3)
Western Civilization II (49)	HY 102, History of Western Civ (3)
American History I (49)	HY 151, U.S. History (3)
American History II (49)	HY 152, U.S. History (3)
College French Level 1 (44)	F 101, 102, Elem French (8)
College French Level 2 (56)	F 201, 202, Inter French (8)
College German Level 1 (43)	G 101, 102, Elem German (8)
College German Level 2 (55)	G 201, 202, Inter German (8)
College Spanish Level 1 (45)	S 101, 102, Elem Spanish (8)
College Spanish Level 2 (55)	S 201, 202, Inter Spanish (8)

*To receive credit for E 102, the student must meet with the English Department Chairman and receive a letter of authorization. This letter must be taken to the Registrar's Office, Administration Building Room 102, and processed with the request for credit.

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

***To receive credit for P 220, the student must meet with Dr. Ram Singh (E 305) and receive a letter of authorization. This letter must be taken to the Registrar's Office, Administration Building Room 102, and processed with the request for credit.

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

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

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

American History	HY 151, 152, U.S. History (6)
History of Art	AR 101, 102, Survey of Western Art (6)
Studio Art	AR 111, 112, Drawing (4) or AR 113, 114, Painting (4)
Biology	BT 130/Z 130, General Botany & General Zoology (9)
Computer Science	CS 125, Intro Computer Science I (3)
Chemistry	C 131-134, College Chemistry (9)
English (score of 5)	E 101, 102, English Composition (6)
English (score of 3)	E 101, 102, English Composition (6)
	(or 4 and favorable evaluation of essay)

Academic Enrichment and Special Programs

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

English (score of 3 or 4)	E 101, English Composition (3)
European History	HY 102, Western Civilization (3)
French Level 3, Language	F 101/102, Elementary French (8)
French Level 3, Literature	F 201/202, Intermediate French (8)
German Level 3, Language	G 101/102, Elementary German (8)
German Level 3, Literature*	G 201/202, Intermediate German (8)
Math., Calculus AB	M 204, Calculus & Analytic Geometry (5)
Math., Calculus BC	M 204/205, Calculus & Analytic Geometry (9)
Theory of Music	MU 201, Music Fundamentals (2)
Listen/Literature of Music	MU 133, Introduction to Music (3)
General Physics B	PH 101, General Physics (4)
Spanish Level 3, Language	S 101/102, Elementary Spanish (8)
Spanish Level 3, Literature	S 201/202, Intermediate Spanish (8)

*To receive credit for G 202, the student must meet with Dr. George Jocums (LA-213) for a conversation in German and receive a letter of authorization. This letter must be taken to the Registrar's Office, Administration Building Room 102, and processed with the request for credit.

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

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

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

Microbiology (50)	B 205, Microbiology (4)
Abnormal Psychology (50)	P 301, Abnormal Psychology (3)
Statistics (50)	P 305, Statistical Methods (3)

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

DANTES - DANTES was created in May 1974, after the USAFI program terminated. The examinations offered through the DANTES Examination Program are available to personnel currently on active duty in the Army, Navy, Air Force, Marine Corps, and Coast Guard, or the cadets and midshipmen of their respective academies, and other appropriate persons.

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

The DANTES Subject Standardized Tests (DSST's) are an extensive series of subject-matter examinations in college and technical subjects and are essentially course achievement tests. The American Council on Education (ACE) has reviewed and evaluated each DSST and has formulated credit recommendations. BSU will follow the ACE recommendations and will grant as lower division elective credit the number of hours credit recommended by the 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 chairmen 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
- YMCA/YWCA

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

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

Military Science: Currently enrolled Boise State University students who have successfully completed two or more years active military service (any branch) are eligible to request evaluation by the Military Science Department. In general, prior 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 Chairman, Military Science Department, Boise State University.

NCO School: Currently enrolled Boise State University students who successfully complete the USAF Certified Command NCO Leadership School, Phase III, at MHAFB or elsewhere, or a comparable NCO Leadership School for the other branches of military service, can request lower division elective credit for that experience. To receive consideration, students must provide a copy of their DD214, DD295, DA1059, or similar

Academic Enrichment and Special Programs

documentation that shows successful completion of the program to the BSU Registrar's Office (Evaluator's Office) and request receipt of credit.

Basic or Recruit Training: Currently enrolled students who have completed basic or recruit military training are eligible to receive 4 semester hours credit in Fitness Activities (FA). No more than eight semester hours total of Fitness Activity credit can be counted toward graduation requirements, however, it is the student's responsibility to furnish the BSU Registrar's Office (Evaluator's Office) a copy of the official DD295 or DD214 and to request receipt of 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 a student to challenge a University course when he feels that because of his past background, education, and experience he can pass an examination covering the subject matter of the course. Requests for consideration are made through the chairman 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 one 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 by Examination form (available from department chairmen, or academic deans) 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 chairman 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 chairmen and deans will determine which course(s) can qualify for this credit. An examination covering the content of the prerequisite courses may be required.

Other Opportunities

Continuing Education

Regular university courses, non-credit 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 and vocational-technical programs at Gowen Field for military personnel. 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 vocational technical and academic programs. Students can contact the Canyon County Center, BSU Vocational Technical, BSU Continuing Education, or their advisor for information on specific programs and courses offered each semester.

Televised Courses: BSU offers a series of academic courses through television each semester. These courses are for regular academic credit and are usually pass/fail. Students can register by mail and do not need to come to campus at any time during the semester. Students should contact Continuing Education or their advisor to make certain that these courses fit into their degree plans.

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 campuses 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.

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;

Academic Enrichment and Special Programs

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 Interstate Commission for Higher Education (WICHE). WUE is a program through which students in 12 participating states may enroll in designated institutions and programs in other participating states 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, 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 School 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.

Educational Talent Search: Educational Talent Search is located in Room 217 of the Education Building. ETS is a TRIO program, federally funded, which encourages low-income youth between the ages of 14 and 27 to attend college by providing admissions and financial aid counseling. ETS also through another grant provides an intensive stay in school program for 7th and 8th graders. This program is sponsored by the Department of Teacher Education.

Upward Bound Program: Upward Bound, second of the TRIO programs, is a federally funded program designed to assist potential high school dropout youth. It provides them with academic and counseling assistance to help them remain in high school and become better

prepared for college. The program operates in the high schools in Nampa, Parma, and Wilder and is sponsored by the Department of Teacher Education.

Student Support Program: The third TRIO program, SSP, is a federally funded program which offers extensive tutoring assistance, small-group study sessions, reading and writing skills development, English as a second language, as well as career, academic and personal counseling. Students eligible for this program sponsored by the Department of Teacher Education include the physically handicapped, those from low-income families or who are first generation college students.

High School Equivalency Program: The High School School Equivalency Program (HEP) offers a program of counseling, financial aid, and assistance in obtaining a GED to migrant and seasonal farmworker students who have dropped out of high school, as well as placement in post-GED training. Sponsored by the Department of Teacher Education, HEP offers an on-campus program and also operates off campus sites based on community need.

College Assistance Migrant Program: CAMP, sister program to HEP, assists migrant and seasonal farmworkers, or their dependents, to complete their first year as University students. Tutorial assistance, skill building classes, personal and career counseling are provided. CAMP provides eligible students with room, board, transportation, tuition, books, supplies, and a small stipend as needed. The program is sponsored by the Department of Teacher Education.

Elementary Bilingual Teacher Training Program: This program assists potential teachers in learning to teach bilingually, to teach English as a second language, and in obtaining teacher certification for a non-bilingual classroom as well. Scholarships are offered which include room, board, transportation, tuition, books, supplies, and stipends based on individual need. The program is administered by the Office for Educational Opportunities and sponsored by the Department of Teacher Education.

Graduate Studies in Bilingual Education Scholarships: Administered by the Office for Educational Opportunities and sponsored by the Department of Teacher Education, these scholarships are available to teachers working with limited English proficient children. They must be Master of Arts in Education candidates in Curriculum and Instruction, Bilingual Education and English as a second language option.

Foreign Language Student Services: Services provided foreign language students by the Office for Educational Opportunities within the Department of Teacher Education include the following:

Foreign Language Laboratory: The laboratory is open from 8:30 a.m. to 5:00 p.m. weekdays during Fall and Spring Semesters, and on a limited basis during the First Five Week Summer Session.

Placement Examinations: To ensure that students with language abilities in French, German and Spanish enroll in the appropriate level of coursework commensurate with their ability, placement examinations are given at the beginning of Fall, Spring, and Summer Sessions. Specific time and place are listed in the academic calendar in the class schedule.

Foreign Language Challenge Examinations: Students with abilities in languages other than English may be able to arrange to take challenge examinations and to earn credit for these skills even when the known language is not a regular course offering of the University.

Petitions for Foreign Language Credit: Once a student enrolls in and successfully completes a language course beyond the 101 level with a grade of 'C' or higher, he or she may petition to receive credit for all courses prerequisite to the level successfully completed.

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

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

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

Educational Media: 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 prepared 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, 385-1577.

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

University Band	Traveling Art Exhibits
Theatre Productions	Concerts and Recitals
Opera Workshop	Faculty Lecture Series
Choirs	Forums of Particular Arts

BSU Community Symphony Orchestra
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. On-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 at locations convenient to students. 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 request. These transcripts may be submitted to employers and others as evidence of completion. There is no relationship between CEUs and university credit. The two are NOT interchangeable.

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

television programs of wide cultural and public interest to the citizens of Idaho.

Instructional Television for Students: ITFS is a special multi-channel television service that allows the university to transmit courses and other activities on campus to specific sites, primarily to businesses, industries, corporations, hospitals and schools within a 60-mile radius. The broadcasts are live and "interactive" — instructors and participants communicate by telephone.

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

BSU Radio Network: Boise State operates an FM radio station that is affiliated with the National and American public radio networks. At 90.3 on the dial, the station features news, information and a variety of musical programming.

Idaho Business & Economic Development Center: A variety of assistance programs available to businesses throughout the State of Idaho is offered through BSU's Idaho Business and Economic Development Center. Through the resources of the faculty and staff at Idaho's universities and colleges, the private sector, and local, state and federal government agencies, the Center provides skill development and technical assistance. The Center has compiled several directories of resource information and has developed the Idaho Business Consultant Registry, a data base listing of consultants with particular areas of expertise who are available to business owners and managers.

Marching Band: Boise State students may join the marching band sponsored by the Department of Music. Scholarships are available to members of the marching band. If interested, contact the Department of Music.

Internships/Cooperative Education

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

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

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

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

1. College of Arts and Sciences
 - a. Art: design graphics for advertising agencies and corporations; assist in architecture and interior design firms, television studios, newspapers, art galleries and print shops.
 - b. Biology: assist in research concerning rangeland, plant ecology, wildlife, endangered plant and animal species, raptor biology, or microbial pathogenesis; educate public on Birds of Prey Center or on environmental issues; work in microbiology lab.
 - c. Chemistry: research drug metabolism; analyze water quality; do forensic research: collect evidence, match blood, identify drugs, and analyze breath alcohol.
 - d. English: revise manuals; write histories; work on student newspaper or other campus publications or work for off campus publications; write press releases and promotional materials; assist in classes; staff the Writing Center.
 - e. Geology and geophysics: evaluate waste disposal sites; analyze chemistry of rocks for mining industry; work with Boise Water Corporation.
 - f. Mathematics: analyze mathematical data.
 - g. Music: intern at elementary level if student teaching at secondary level; assist in management of community orchestra; do audio recording and sound reinforcement for audio portion of videos.
 - h. Physics: assist faculty research.
 - i. Theatre Arts: operate cameras; work on public relations for plays; perform and direct; explore mechanical engineering of theatre; assist stage crew.

Academic Enrichment and Special Programs

2. School of Social Sciences and Public Affairs

- a. 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.
- b. Communication: 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.
- c. 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.
- d. History: perform research for public and private agencies; work with archival materials, develop historical tours; assist with census work; edit public documents; assist in historical preservation work; assist in preparing museum exhibits; conduct oral histories; assist with Idaho History Day; help manage cultural resources with the U.S. Bureau of Land Management.
- e. 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.
- f. 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.
- g. Political Science: work with the Idaho Legislature, Governor's Office, Attorney General's Office, political parties, campaigns and public agencies.
- h. 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.
- i. 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

- a. Accounting: assist in general corporate accounting or corporate tax/financial accounting; perform cost/managerial accounting—computer support, banking, Internal Revenue Service, governmental agencies, public accounting.
- b. 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.
- c. Economics: assist local business, state legislature, local consulting firms, Department of Health and Welfare, and Idaho Public Utilities Commission.
- 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, pre-physical 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.
 - 5) Auto Body/Auto Mechanics/Heavy Duty Mechanics-Diesel/Small Engine Repair/Industrial Mechanics-Automation/Welding and Metals Fabrication/Machine Shop: work in program related industries.
 - 6) Business Machine Technology/Electronic Service Technology/Drafting Technology/Refrigeration, Heating and Air Conditioning/Electrical Lineworker: Work in program related industries.
 - 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.

Women In The Curriculum

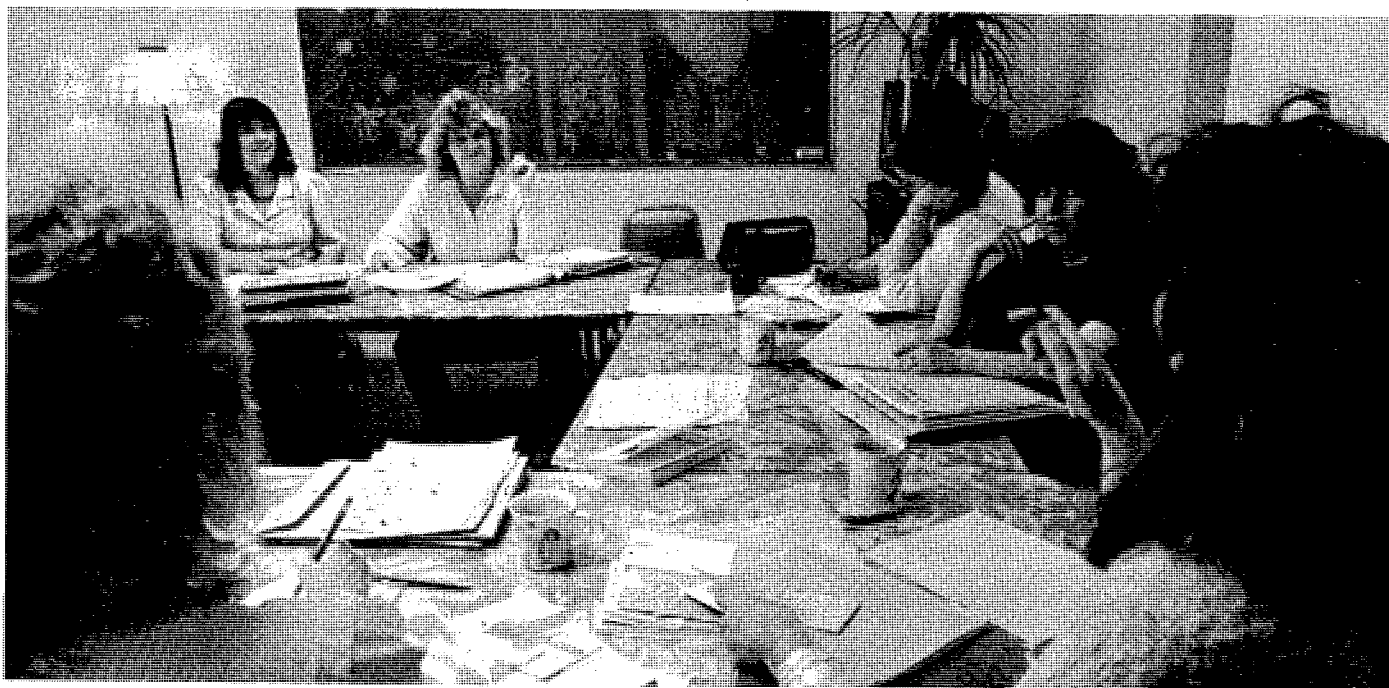
The purpose of the Women in the Curriculum enrichment program is three-fold: to assure that students are able to recognize the contributions and significance of women's activities to our culture; to provide students with an enhanced awareness of the major changes in roles and responsibilities of individuals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

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

Faculty and staff in many departments at Boise State have been exploring the new scholarship and integrating women's issues into their disciplines, resulting in several popular courses. Students have joined faculty and staff in new scholarly research on women's roles and activities. Examples of this exciting work include Women in Management, Contemporary Women Artists, and Sex Roles and Authoritarianism.

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

Taken together, the people and materials of The Women in the Curriculum Project comprise a valuable community resource.



Student Services

Questions about Student Services should be directed to:

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

Boise State provides a variety of services, programs and activities to help students achieve the maximum benefit from their university experience. These services are under the direction of the Vice President for Student Affairs (Room 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 Office of Admissions Counseling, located in the Visitors Center at 2065 University Drive, 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.

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.

Reading and Study Skills: For students who need special help in reading or improving their study skills the University offers a Reading and Study Skills course (TE-108) each semester. 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.

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.

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 aca-

Student Services

demical 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 4:30 p.m., Monday through Friday, or by coming to the Center on the sixth floor of the Education Building. Interviews are generally scheduled for 30 to 60 minutes. Referrals from faculty, residence advisors and others are welcomed by the staff.

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 Vocational Rehabilitation Service 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 talking calculator, Visualtek, 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, MECHA, 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 9:00 a.m. to 4:00 p.m., Monday through Friday each day classes are in session. Outpatient medical care is rendered to full-time registered students within the capability of the facility at no additional cost after the general registration fee is paid. Minimal fees are charged for tests and procedures not within the capability of

the Student Health Service. Patient referrals are made as necessary. The Student Health Service is equipped to care for more than 90 percent of student health care needs.

Medical Expense Insurance: All full-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 vacation periods. Each full-fee paying student is covered 24 hours a day during the policy period 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 (Room 123, Administration Building) offers career information, advising, planning, and placement opportunities to students and alumni. Some of the equal opportunity 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 to encourage active student participation in university life. The ASBSU sponsors and promotes a well-rounded program of educational, cultural, social and recreational activities. The ASBSU Executive Branch includes the President, who acts as the voice and representative of the students at university functions; the Vice-President, who is the chief officer of the Senate; and the Treasurer, who administers the budget. The Senate, as the legislative branch, consists of senators elected in campus-wide balloting. This body develops and coordinates activities, passes legislation for the general welfare of all students, and grants 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 honoraries representing every 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.

Cultural Opportunities: The Art, Music, and Theatre Arts Departments stage a number of shows throughout the year, most often with students as participants. The Art Department sponsors shows of both regionally and nationally known artists, and 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—High Country Athletic Conference, and Wrestling—PAC-10 Athletic Conference.

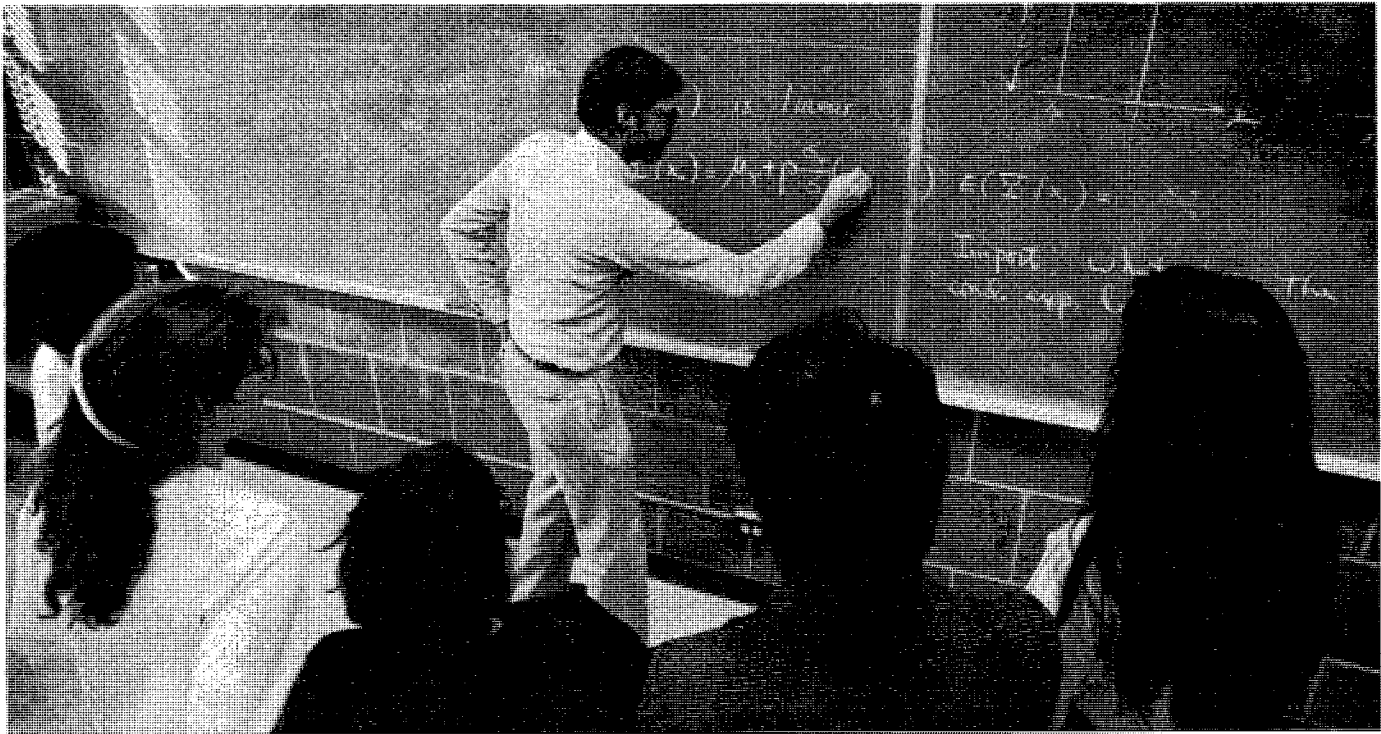
It is the philosophy of the Athletic Department to offer student athletes the best possible coaching, equipment, facilities, and competition available to allow them to reach their full potential. The university fields men's teams in football, basketball, track, wrestling, tennis, cross-country, and golf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



Part 6



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, 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
- **Sciences** — Biology, Chemistry, Earth Science, Geology, Geophysics, Mathematics, and Physics.

Degrees available in the above areas, including the Secondary Education Options offered by all departments, include the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts (in Art, Art Education, and Advertising Design), 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. 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

BIOLOGY 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	21-22
TOTAL	21-22

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 271, 272	3
English & Linguistics electives (6 upper division)	9
TOTAL	21

MATHEMATICS MINOR

Calculus & Analytical 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) 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 Intern 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; *Associate Professors:* Benson, Douglass, Hoopes, Miller, Oravez, Shurtleff, Smith, Taye, Taylor; *Assistant Professor:* Lee; *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	9
Design AR 105, 106	6
Ceramics AR 225	2
Sculpture AR 231	2
Printmaking AR 209	2
Art Metals AR 221	2
*Senior Show AR 410	1
Senior Seminar AR 498	3
TOTAL	39

College of Arts and Sciences

Major Emphasis

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

*Senior show is not required of Art History majors.

Elective Credits	38
TOTAL	128

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

Art Education—Bachelor of Arts Program

General University & Basic Core Requirement Credits	51
Art Major Requirements	
Painting	6
Watercolor	4
Drawing	6
Basic Design AR 105, 106	6
Art History	6
Ceramics	2
Sculpture	2
Printmaking AR 209	2
Crafts AR 123	2
Lettering AR 107	2
Senior Show AR 410	1
Senior Seminar AR 498	3
	42

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

Intro Secondary Teach: Clsrm Obs TE 172	1
Foundations of Education TE 201	3
Educational Technology TE 356	2
Educating Exceptional Secondary Student TE 333	1
Reading in Content Subject TE 407	3
Secondary School Methods TE 381	3
Educational Psychology P 220	3
Art Methods in Secondary Schools AR 351	3
Elementary School Art Methods AR 321	3
Secondary Student Teaching	10-16
	32-38

Elective Credits	0-3
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.

Art-Advertising Design—Bachelor of Arts Program

General University & Basic Core Requirement Credits	51
Art Major Requirements	
Advertising Design AR 203, 204, 303	10
Watercolor and/or Painting	8
Drawing	6
Advertising Illustration AR 361	6
Basic Design AR 105, 106	6
Lettering-Lettering & Layout AR 107, 108	4
Art History	6
Intro to Printmaking AR 209	2
Intro to Creative Photography AR 251	2
Senior Show AR 410	1
Senior Seminar AR 498	3
	54
Elective Credits	23
TOTAL	128

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

ART MAJOR

Bachelor of Fine Arts Program

General Art—Bachelor of Fine Arts Degree

General University & Core Requirement Credits	32
Art Major Requirements	
Painting	8
Drawing	8
Art History	12
Watercolor	4

Basic Design AR 105, 106	6
Intro to Printmaking AR 209	2
Sculpture	2
Ceramics	2
Art Metals	2
*Senior Show AR 410	1
Senior Seminar AR 498	3
Art Electives	16
	66

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	30
TOTAL	128*

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

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

Art Education—Bachelor of Fine Arts

General University & Core Requirement Credits	32
Art Major Requirements	
Painting	8
Drawing	8
Art History	9
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
	49

Major Emphasis

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

Education Requirements for Qualifications Toward State Certification

Intro Second Teach: Clsm Obs TE 172	1
Foundations of Education TE 201	3
Educating Exceptional Secondary Student TE 333	1
Educational Technology TE 356	2
Reading in Content Subject TE 407	3
Secondary School Methods TE 381	3
Educational Psychology P 220	3
Secondary School Art Methods AR 351	3
Elementary School Art Methods AR 321	3
Secondary School Teaching	10-16
	32-38

Elective Credits	13-18
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-Advertising Design—Bachelor of Fine Arts Degree Advertising Design Emphasis

General University & Core Requirement Credits	32
Art Major Requirements	
Advertising Design AR 203, 204, 303	10
Painting	8
Drawing	8
Watercolor	4
Basic Design AR 105, 106	6
Sculpture, Ceramics, Art Metals	4
Lettering-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
	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	2
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

	1st SEM	2nd SEM
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
	16	17
SOPHOMORE YEAR		
Anatomy AR 211	2	-
Ceramics AR 225	-	2
**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	2	4
	15	16
JUNIOR YEAR		
Art History AR 301	3	-
Intro to Printmaking AR 209	-	2
**Studio in Painting AR 315	3	3
Area I—Area II	3	3
Area III—Area I	4	3
Upper Division Electives	4	6
	17	17
SENIOR YEAR		
Senior Seminar AR 498	3	-
Senior Show AR 410	1	-
Area II	3	-
Upper Division Electives	8	15
	15	15

**14 credits constitutes a major. If your major is drawing or art history, substitute those classes for the asterisked classes.

TOTAL: 128 credits, including 40 Upper Division Credits.

ART MAJOR

BA Printmaking Major

or Sculpture, Ceramics, Art Metals, Photography, Watercolor

	1st SEM	2nd SEM
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
	16	17
SOPHOMORE YEAR		
Painting AR 215	2	-
Intro to Printmaking AR 209, 210	2	2
Anatomy AR 211	2	-

Ceramics AR 225	-	2
Sculpture AR 231	2	-
Art Metals AR 221	-	2
Area I	3	3
Area III—Area I	4	3
Electives	4	-
	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
	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	-
	15	15

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

TOTAL: 128 Credits, including 40 Upper Division Credits.

ART MAJOR

BFA Drawing Major or Painting, Art History

	1st SEM	2nd SEM
FRESHMAN YEAR		
Survey of 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 I—Area III	3	4
	16	17
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
	17	16
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
	17	15

**20 credits constitutes a major. If your major is painting or art history, substitute those classes for the asterisked classes.

TOTAL: 128 credits, including 40 Upper Division Credits.

ART MAJOR

BFA Sculpture Major

or Printmaking, Art Metals, Photography, Ceramics, Watercolor

	1st SEM	2nd SEM
FRESHMAN YEAR		
Survey of 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

College of Arts and Sciences

English Composition E 101, 102	3	3
Area II—Area III	3	4
	16	17

SOPHOMORE YEAR

Anatomy—Life Drawing AR 211, 212	2	2
Painting AR 215	2	2
Watercolor AR 217, 218	2	2
Sculpture AR 231, 232	2	2
Area I Literature—Area II	3	3
Art Metals AR 221	2	-
Ceramics AR 225	-	2
Area III—Area I	4	3
	17	16

JUNIOR YEAR

**Studio Sculpture AR 331	3	3
Intro to Printmaking AR 209	2	-
Art History AR 301, 302	3	-
Area I Literature—Area II	3	3
Electives	6	6
	17	15

SENIOR YEAR

**Studio Sculpture AR 431	3	3
Senior Show AR 410	1	-
Senior Seminar AR 498	-	3
Upper Division Electives	11	9
	15	15

**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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Basic Design AR 105, 106 Area I-1st-Any Fld	3	3
Lettering AR 107	2	-
Survey Western Art AR 101, 102	3	3
Drawing AR 111, 112	2	2
Painting AR 113, 114	2	2
Area II-2nd Field	-	3
Elective	2	-
	17	16

SOPHOMORE YEAR

Intro Second Teach: Clsrm Obs TE 172	-	1
Found of Education TE 201 Area II-3rd Fld	3	-
Drawing AR 211	2	-
Watercolor AR 217, 218	2	2
Ceramics AR 225	-	2
Intro to Printmaking AR 209	2	-
Area II History-1st Field	3	-
Area I Literature-1st Field	-	3
Area III-1st & 2nd Field	4	4
Area II-Any Field	-	3
	16	15

JUNIOR YEAR

Sculpture AR 231	3	-
Painting AR 215	2	-
Area I-3rd Field	-	3
Area III-Any Field	-	4
Educ Except Second Student TE 333	-	1
Educational Psychology P 220	3	-
Elem School Art Methods AR 321	-	3
Secondary School Art Methods AR 351	3	-
Secondary School Methods TE 381	-	3
Read in Content Subject TE 407	3	-
Electives	3	3
	17	17

SENIOR YEAR

Senior Seminar AR 498	3	-
Senior Show AR 410	1	-
Crafts AR 123	2	-
Educational Technology TE 356	2	-

Student Teaching	-	10-16
Electives	7-12	-
	14-20	10-16

TOTAL: 128 credits, including 40 Upper Division Credits.

ART EDUCATION MAJOR BACHELOR OF FINE ARTS

	1st SEM	2nd SEM
FRESHMAN YEAR		
Art History AR 101, 102 Area I	3	3
Basic Design AR 105, 106 Area I	3	3
Lettering AR 107	2	-
English Composition E 101, 102	3	3
Drawing AR 111, 112	2	2
Painting AR 113, 114	2	2
Crafts AR 123	-	2
Elective	-	2
	15	17

SOPHOMORE YEAR

Intro Second Teach: Clsrm Obs TE 172	1	-
Found of Education TE 201 Area II-2nd Field	3	-
Drawing AR 211, 212	2	2
Watercolor AR 217, 218	2	2
Ceramics AR 225	-	2
Intro to Printmaking AR 209	-	2
Area I Literature	-	3
Area II History	3	-
Area III	4	4
	15	15

JUNIOR YEAR

Painting AR 215	2	-
Area I Literature	-	3
Area I	3	-
Area II-Any Field	-	3
Elementary School Art Methods AR 321	-	3
Secondary School Art Methods AR 351	3	-
Educ Except Second Student TE 333	-	1
Educational Psychology P 220	3	-
Secondary School Methods TE 381	3	-
Reading in Content Subject TE 407	-	3
Elective	2	3
	16	16

SENIOR YEAR

Painting AR 219	2	-
Art History AR 301	3	-
Sculpture AR 231	3	-
Senior Show AR 410	1	-
Senior Seminar AR 498	3	-
Educational Technology TE 356	2	-
Secondary Student Teaching	-	10-16
Electives	5-10	-
	18-24	10-16

TOTAL: 128 credits, including 40 Upper Division Credits.

ADVERTISING DESIGN BACHELOR OF ARTS

	1st SEM	2nd SEM
FRESHMAN YEAR		
Survey Western Art AR 101, 102	3	3
Basic Design AR 105, 106	3	3
Lettering AR 107	2	-
Lettering & Layout AR 108	-	2
Drawing AR 111, 112	2	2
English Composition E 101, 102	3	3
Area II	3	3
	16	16

SOPHOMORE YEAR

Painting AR 113, 114	2	2
Advertising Design AR 203, 204	2	2
Anatomy AR 211	2	-
Intro Creative Photo AR 251	-	2
Intro to Printmaking AR 209	-	2
Area I	3	3
Area II	3	3

Area III	4	-
Elective	2	2
	16	16
JUNIOR YEAR		
Watercolor AR 217, 218	2	2
Studio in Advertising Design AR 303	3	3
Studio in Advertising Illustration AR 361	3	3
Area I	-	3
Area III	4	-
Upper Division Electives	4	6
	16	16
SENIOR YEAR		
Senior Show AR 410	1	-
Senior Seminar AR 498	-	3
Area I	3	-
Area III	4	-
Upper Division Electives	8	13
	16	16

TOTAL: 128 credits, including 40 Upper Division Credits.

**ADVERTISING DESIGN
BACHELOR OF FINE ARTS**

	1st SEM	2nd SEM
FRESHMAN YEAR		
Survey Western Art AR 101, 102	3	3
Basic Design AR 105, 106	3	3
Lettering AR 107	2	-
Lettering & Layout AR 108	-	2
Drawing AR 111, 112	2	2
English Composition E 101, 102	3	3
Area II	3	3
	16	16
SOPHOMORE YEAR		
Painting AR 113, 114	2	2
Advertising Design AR 203, 204	2	2
Drawing AR 211, 212	2	2
Intro Creative Photo AR 251	-	2
Intro Printmaking AR 209	-	2
Area I Literature	3	3
Area II	-	3
Area III	4	-
Elective	3	-
	16	16
JUNIOR YEAR		
Painting AR 215, 315	2	3
Watercolor AR 217, 218	2	2
Ceramic, Sculpture, Metals	2	2
Studio Advertising Design AR 303	3	3
Studio Advertising Illustration AR 361	3	3
Area I	-	3
Area III	4	-
	16	16
SENIOR YEAR		
Senior Seminar AR 498	-	3
Senior Show AR 410	1	-
Upper Division Art History	3	3
Electives	7	-
Upper Division Electives	5	10
	16	16

TOTAL: 128 credits, including 40 Upper Division Credits.

PRE-ARCHITECTURAL PROGRAM

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

	1st SEM	2nd SEM
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
	16	16
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 Decoration AR 131 (Optional)	2	-
Computer Graphics for Artists AR 333	-	2
or	-	2
Digital Computer Programming EN 104	-	2
Engineering Measurement EN 216	3	-
Art Elective	-	2
	18	14

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

AR 101 SURVEY OF WESTERN ART (3-0-3)(F)(AREA I). A historical survey of painting, sculpture, and architecture from Prehistoric Art through the Middle Ages.

AR 102 SURVEY OF WESTERN ART II (3-0-3)(S)(AREA I). A historical survey of painting, sculpture, and architecture from the Renaissance to the present.

AR 103 INTRODUCTION TO ART (3-0-3)(F/S)(AREA I). A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms.

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

AR 106 BASIC DESIGN (2-2-3)(AREA I). 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,

College of Arts and Sciences

macrame, simple ceramic work, sheet plastic and others may be assigned. The proper use of hand tools and their safety will be stressed. This course is open to non-Art majors.

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

AR 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 Intermittent.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

AR 252 HISTORY OF PHOTOGRAPHY (3-0-3)(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

156
techniques learned in AR 255 Architectural Graphic Communication. Advisable to take AR 105, AR 106 and AR 255 before enrolling in AR 256 Basic Architectural Design. 156 n

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

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

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

Upper Division

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

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

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

AR 305 STUDIO IN VISUAL DESIGN (0-6-3)(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 materials of jewelry making and metalsmithing with special emphasis on forging, stone-setting, cutting, and mechanical techniques as further personal development of craftsmanship. May be repeated once for credit. PREREQ: AR 221, 222.

AR 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 Intermittent. 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/S). Structural, interpretive, or compositional study from the model or other subject matter, based on individual interests. Model fee. May be repeated once for credit. PREREQ: AR 212.

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

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

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

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

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

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

AR 331 STUDIO IN SCULPTURE (0-6-3)(F/S). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting. 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 2000. Programs available include Paintworks Plus, Pagemaker, Aldus Freehand, SuperPaint, Lumena, and AutoCad. PREREQ: PERM/INST. (Repeatable for credit)

Department of Biology

Science/Nursing Bldg., Rm. 223

Telephone (208) 385-3262

Chairperson and Professor: Marcia C. Wicklow-Howard; *Professors:* Baker, Bechard, Centanni, Fuller, McCloskey, Papenfuss, Rychert; *Associate Professors:* Douglas, Long, Wyllie; *Assistant Professors:* Dufty, Munger.

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
Algebra and Trigonometry M 111	5
Four or more credits chosen from the following:	
Applied Statistics with the Computer M 120	4
A First Course in Programming CS 122	2
Introduction to Computer Science CS 127	4
Calculus and Analytic Geometry M 204	5
Digital Computer Program EN 104 or CS 124	2
5. Recommended Electives	30
Area I & II Electives	
Biochemistry C 431	
Earth Science Electives	
BIOLOGY MINOR	
General Botany BT 130	4
One of the following:	5-8
*Concepts of Anatomy & Physiology Z 107	
Human Anatomy & Physiology Z 111, 112	
General Zoology Z 130	
200 level or higher Biology Electives	10-13
With at least one upper division course	
TOTAL	22
Secondary Education Option—Major Endorsement	
1. General University and Baccalaureate Degree Requirement	
Credits	30

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.

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

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

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

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

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

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

AR 431 STUDIO IN SCULPTURE (0-6-3)(F/S). Continued study in the material and methods of the sculptor with emphasis on welded steel and casting, carving, mixed media, and experimental. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.

AR 441 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 air-brush, 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.

College of Arts and Sciences

2. Major Requirements	
Credits	68
Biology	30-45**
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
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 45 credits	2-17
Chemistry	14
College Chemistry C 131-134	9
Organic Chemistry C 317, 319	5
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
Introduction to Computer Science CS 127	4
Calculus and Analytic Geometry M 204	5
Digital Computer Program EN 104 or CS 124	2
3. Education Requirement Credits	26-32
The following are required for Secondary Teaching	
Certification in Idaho:	29-35
Intro Second Teach: Clsrm 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 P 325	3
Secondary School Methods TE 381	3
Secondary School Science Methods TE 384	3
Secondary School Student Teaching	10-16
4. Elective Credits	0-1
*A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.	
**A Biology Major without a minor requires 45 Biology credits. A Biology Major with a minor 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—Minor Endorsement	
1. General University and Baccalaureate Degree Requirement	
Credits	30
2. Major Requirement Credits	30
3. Minor Endorsement in Biology Credits	24**
General Botany BT 130	4
General Zoology Z 130	5
Cell Biology B 301	3
Genetics B 343, 344	4
Elective course in Botany	4
Elective course in Zoology	4
4. Education Requirement Credits	29-35
The following are required for Secondary Teaching	
Certification in Idaho:	
Intro Second Teach: Clsrm 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 P 325	3
Secondary School Methods TE 381	3

Secondary School Science Methods TE 384	3
Secondary School Student Teaching	10-16
5. Elective Credits	12-18

Recommended Program

BIOLOGY MAJOR Bachelor of Science Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
General Botany BT 130	4	-
General Zoology Z 130	-	5
College Chemistry C 131-134	4	5
Mathematics	5	4-5
	16	17-18
SOPHOMORE YEAR		
Organic Chemistry C 317, 319	5	-
Cell Biology B 301	-	3
Electives (Area I)	6	3
Electives (Area II)	3	6
Other Electives	-	3
	14	15
JUNIOR YEAR		
Genetics B 343	3	-
Electives (Area I, II)	3	3
Biology Electives	5	8
Other Electives	3	3
	14	14
SENIOR YEAR		
Ecology B 423	4	-
Biology Seminar B 498	1	-
Biology Electives	4	8
Other Electives	7	9
	16	17

BIOLOGY MAJOR SECONDARY EDUCATION OPTION Bachelor of Science

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
General Botany BT 130	4	-
General Zoology Z 130	-	5
College Chemistry C 131-134	4	5
Mathematics	5	4-5
	16	17-18
SOPHOMORE YEAR		
Organic Chemistry C 317, 319	5	-
Biology Electives	4	-
Cell Biology B 301	-	3
Foundations of Education TE 201	-	3
General Psychology P 101	3	-
Electives (Area I)	3	3
Electives (Area II)	-	3
Other Electives	-	3
	15	15
JUNIOR YEAR		
Educational Psychology P 325	3	-
Secondary School Methods TE 381	-	3
Secondary School Science Methods TE 384	-	3
Electives (Area I, II)	6	3
Genetics B 343	3	-
Biology Electives	4	8
	16	17
SENIOR YEAR		
Biology Seminar	1	-
Biology Electives	5-9	-
Education Courses	4	10-16
Other Electives	3	6
	13-17	16-22

PRE-FORESTRY AND WILDLIFE MANAGEMENT

This program is designed to satisfy the lower division coursework typically completed during sophomore year in a School of Forestry.

Students wishing to earn a bachelor's degree in this area of study usually transfer to the University of Idaho School of Forestry for their junior and senior years.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
General Botany BT 130	4	-
General Zoology Z 130	-	5
Essentials of Chemistry C 107-110	4	5
Mathematics	5	5
	16	18
SOPHOMORE YEAR		
General Physics PH 101, 102	4	4
General Forestry FS 101	-	2
Systematic Botany BT 305	-	4
Fundamentals of Speech CM 111	3	-
Basic Surveying EN 215	2	-
Digital Computer Programming EN 104	2	-
Principles of Economics EC 201, 202	3	3
Physical Education	1	1
TOTALS	15	14

Course Offerings

See page 20 for definition of course numbering system

B BIOLOGY

Lower Division

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

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

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

Upper Division

B 300 BIOLOGY OF AGING (3-0-3)(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 107 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 (3-6-5)(F). A general survey of the field of Bacteriology; techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects and immunology. PREREQ: C 317, B 301, PERM/INST.

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

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

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

B 401-401G 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 415-415G APPLIED AND ENVIRONMENTAL MICROBIOLOGY (3-3-4)(S).

Microbial populations and processes in soil and water. Water and food-borne pathogens. Microbiological and biochemical methods of environmental assessment. PREREQ: B 303, PERM/INST.

B 420-420G 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 ECOLOGY (3-3-4)(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 (1-0-1)(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 (3-3-4)(F/S)(AREA III). An introduction to a plant biology which includes the study of cells, genetics, whole plant physiology and functions, ecology, classification, and economic importance.

Upper Division

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

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

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

BT 330-330G 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, PERM/INST.

BT 401 PLANT PHYSIOLOGY (3-3-4)(F). Emphasis placed on physical and chemical processes of plant body functions. Includes coverage of cell, tissue, and organ functions; mineral requirements, metabolism, water uptake, photosynthesis; soil chemistry, and the alkaloids and glucosides synthesized by plants. BT 302 and PH 101, 102 recommended. Offered odd-numbered years. PREREQ: BT 130, C 317, PERM/INST.

FS FORESTRY

Lower Division

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

Z ZOOLOGY

Lower Division

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

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4)(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)(F/S)(AREA III). Introductory study of animals. Fundamentals of structure, function, development, life cycles, diversity, heredity, evolution, and ecology.

Upper Division

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

Z 305-305G 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.

College of Arts and Sciences

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 histochemical techniques. Offered alternate years. PREREQ: Z 130, PERM/INST.

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

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

Z 409-409G 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 MAMMALOLOGY (2-3-3)(S). Mammals as examples of biological principles: classification, identification, distribution, ecology, life histories, and adaptations of mammals. Two weekend field trips. Offered 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, Hibbs, Matjeka, Mercer, Stark; *Assistant Professor:* Bammel.

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
Chemical Literature C 280	1
Organic Chemistry C 317, 318, 319, 320	10
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 Mathematics
Upper Division Chemistry	Upper Division Physics
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	
Chemistry	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)	
2. Idaho Certification Requirements 29

Intro Second Teach: Clsrm Obs TE 172	1
Foundations of Education TE 201	3
Educational Technology TE 356	2
Reading in Content Subjects TE 407	3
Education of Exceptional Secondary Stu TE 333	1
Educational Psychology P 220	3
Secondary School Science Methods TE 384	3
Secondary School Methods TE 381	3
Senior High School Student Teaching TE 483	10

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.

Recommended Programs

CHEMISTRY MAJOR Bachelor of Science

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 11, 204	5	5
Degree Requirements or Electives	3	3
TOTALS	15	16
SOPHOMORE YEAR		
Organic Chemistry C 317, 319, 318, 320	5	5
Chemical Literature C 280	-	1
Mathematics M 205, 206	4	4
Physics I & II PH 211-212, 213-214	5	5
Degree Requirements or Electives	3	2
TOTALS	17	17
JUNIOR YEAR		
Physical Chemistry C 321, 322, 323, 324	4	4
Quantitative Analysis C 211, 212	5	-
Spectrometric Identification C 440	-	3
Degree Requirements or Electives	7	9
TOTALS	16	16
SENIOR YEAR		
Advanced Inorganic Chemistry C 401, 402	3	3
Instrumental Analysis C 411	-	4
Advanced Chemical Preparations C 433	-	2
Independent Study C 496	1	1
Chemistry Seminar C 498	-	1
Degree Requirements or Electives	12	4
TOTALS	16	15

CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION Bachelor of Science Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 204	-	5
General Zoology Z 130	5	-
General Botany BT 130	-	4
Degree Requirements or Electives	5	-
TOTALS	17	17
SOPHOMORE YEAR		
Organic Chemistry C 317, 318, 319, 320	5	5
Mathematics M 205, 206	4	4
Physics I PH 211, 212	5	-
Physics II PH 213, 214	-	5
General Psychology P 101	3	-
Intro Second Teach: Clsrm Obs TE 172	1	-
Foundations of Education TE 201	-	3
TOTALS	18	17
JUNIOR YEAR		
Physical Chemistry C 321, 322, 323, 324	4	4
Quantitative Analysis C 211, 212	5	-
Educational Psychology P 220	3	-
Reading in Content Subjects TE 407	-	3
Degree Requirements or Electives	3	9
TOTALS	15	16
SENIOR YEAR		
Upper Division Chemistry Course	3	-
Chemistry Seminar C 498, 499	1	1
Educational Technology TE 356	2	-
Secondary School Methods TE 381	3	-
Secondary School Science Methods TE 384	-	3
Educating Except Second Students TE 333	1	-
Senior High School Student Teaching TE 483	-	10
Degree Requirements and Electives	4	-
TOTALS	14	14

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

Course Offerings

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

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 "BA" 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)(S)(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 (1-3-2)(S)(SU)(AREA III). The laboratory to accompany C 109. One three-hour laboratory and one one-hour recitation. The recitation will include discussion of both lecture and laboratory material. COREQ: C 109.

C 131 COLLEGE CHEMISTRY (3-0-3)(F)(SU)(AREA III). The first semester of a one-year sequence course. A thorough study of the fundamentals of Chemistry including atomic and molecular structure, stoichiometry, physical states, and solutions. PREREQ: M 111 or 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)(S)(SU)(AREA III). A continuation of C 131 to include equilibrium, redox and complex ions. PREREQ: C 131, 132.

C 134 LABORATORY FOR COLLEGE CHEMISTRY (1-3-2)(S)(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)(S). 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.

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

C 319 ORGANIC CHEMISTRY LABORATORY (1-3-2)(F). Basic organic laboratory techniques and simple organic syntheses. One three-hour laboratory and one hour of recitation per week. COREQ: Concurrent enrollment in C 317 is required.

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

C 321, 322 PHYSICAL CHEMISTRY LECTURE (3-0-3)(F/S). The fall semester will cover gases, phase equilibria, electrochemistry, adsorption spectroscopy, and the first, second and third laws of thermodynamics. The spring semester covers reaction kinetics, point symmetry, molecular structure and quantum theory (briefly). PREREQ/COREQ: PH 102 or PH 213 and 214, M 206 or equivalent, prior or concurrent enrollment in C 317 or PERM/INST.

College of Arts and Sciences

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

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

C 401-402, 401G-402G ADVANCED INORGANIC CHEMISTRY (3-0-3)(S). Atomic structure, molecular structure using valence bond and molecular orbital theories, elementary group theory, transition metal coordination chemistry, acids and bases, descriptive transition and non-transition metal chemistry. PREREQ: C 322 or PERM/INST.

C 411-411G INSTRUMENTAL ANALYSIS (2-6-4)(S). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. PREREQ: C 211 and C 322.

C 422-422G ADVANCED TOPICS IN CHEMISTRY (3-0-3). Selected advanced topics from Chemistry such as mass spectrometry, nuclear magnetic resonance spectroscopy, radiochemistry, environmental chemistry and polymer chemistry. PREREQ: C 322 or PERM/INST. Offered on demand.

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

C 432-432G BIOCHEMISTRY LABORATORY (0-3-1)(S). Identification, isolation and reactions of biologically important compounds. PREREQ: C 431.

C 433-433G BIOCHEMISTRY (3-0-3)(S). The function of biological compounds, including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material. PREREQ: C 431.

C 440-440G SPECTROMETRIC IDENTIFICATION (2-3-3)(S). Identification of compounds using modern spectrometric techniques. Two lectures and one three-hour laboratory per week. PREREQ: C 318 and C 320.

C 443-443G ADVANCED CHEMICAL PREPARATION LABORATORY (1-3-2)(S). Advanced techniques in the preparation, isolation and characterization of chemical compounds with emphasis on inorganic compounds. One three-hour laboratory and one hour of recitation per week. PREREQ: C 401 or PERM/INST.

C 496 INDEPENDENT STUDY IN CHEMISTRY (Variable credit). An individual laboratory research project in chemistry selected by the student in conjunction with a supervising member of the chemistry faculty. An appropriate amount of library research and written reports are also required. PREREQ: C 208 and C 317.

C 498 SEMINAR (1-0-1)(S). Group discussions of individual reports on selected topics in the various fields of Chemistry. PREREQ: C 280, Chemistry major and senior standing.

Graduate

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

Department of English

Liberal Arts Building, Room 228

Telephone (208) 385-1246

Chairperson and Professor: Carol A. Martin; *Professors:* Boyer, Davis, Leahy, Maguire, Martin, Sahni, Trusky, Widmayer, Willis, Zirinsky; *Associate Professors:* Dayley, Fox, Guilford, Lojek, Lvkken, Sanderson; *Assistant Professors:* Ackley, Burmaster, Evett, Hadden, King, McGuire, Nickerson, Ryder, Selander, Uehling, Warner, Zaerr.

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 imagining, 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
 - Pre-1800 British Lit E 340, 341, 348, 349, 350, 351, 356, 358, 359 6
 - Post-1800 British-American Lit E 360, 365, 366, 369, 377, 378, 384, 385, 389, 390, 487 6
- 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
 - Pre-1800 British Lit E 340, 341, 348, 349, 350, 351, 356, 358, 359 6
 - Post-1800 British-American Lit E 360, 365, 366, 369, 377, 378, 384, 385, 389, 390, 487 6
 - Writing numbered 200 or higher 6
 - Language LI 309 and 306 or 307 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. Completed the Secondary Option Writing Proficiency Exam -(SOWPE) successfully.
 - 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.
- Idaho Certification Requirements** 31-37
 - Found of Education TE 201 3
 - Educational Psychology P 220 3
 - Educ Except Secondary Student TE 333 1
 - Educational Technology TE 356 2
 - Reading in Content Subjects TE 407 3
 - Methods Courses* 6
 - Secondary School Methods TE 381 3
 - Secondary School Student Teaching 10-16

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

4. BA, English, American Literature emphasis

- Specific courses:
 - Survey of American Lit, E 271, 272 6
 - Shakespeare, E 345 or E 346 3
 - American Renaissance, E 377 3
 - American Realism, E 378 3
 - Lit of American West E 384 3
 - Folklore, E 390 3
 - Senior Seminar, E 498 3
- Area requirements:
 - Modern British & American Lit E 385, 389, 487 3
 - Lower Division Lit courses E 211, 213, 217, 219, 240 or 260 9
 - Upper Division electives in Literature or Linguistics 18
 - American Political Theory PO 331 3
 - Cultural Anthropology AN 102 (AREA II) 3
 - U.S. History HY 151, 354, 355, 356, 358, or 359 3

5. BA, English, British Literature emphasis

- Specific courses:
 - Survey of British Literature E 240, 260 6
 - Shakespeare E 345 or 346 3
 - Senior Seminar E 498 3
- Area Requirements:
 - Pre-1800 British Lit courses numbered E 340-359 12
 - Post-1800 British Lit courses numbered E 360-369 6
 - Electives in British or American Lit (15 Upper Division) 24
 - British History HY 311, 312, 338 or 432 3

6. BA, English, Linguistics emphasis

- Specific courses:
 - Intro to Language Studies LI 305 3
 - Modern English Grammar LI 306 3
 - Applied English Linguistics LI 307 3
 - History of English Language LI 309 3
 - Applied Linguistics in Teaching ESL LI 407 3
 - ESL Internship E 493 3
 - Senior Seminar E 498 3
- Area Requirements:
 - Old or Middle English Lang or Lit (i.e., E 340) or foreign Lit read in original language 3
 - Electives in Lit lower or upper division 15
 - Upper division elect in Lit (12 British Lit) 15
 - One year of a Foreign Language 6-8
 - A 2nd year of foreign language or one year of a 2nd foreign language 6-8
 - Cultural Anthropology, AN 102 (AREA II core) 3

7. BA, English, World Literature emphasis

- Specific courses:
 - Far Eastern Literature E 215 3
 - Western World Lit E 230, 235 6
 - 19th & 20th Cent Continental Lit E 336, 338 6
 - Medieval Epics & Romance, E 341 3
 - Shakespeare E 345 or 346 3
 - Folklore E 390 3
 - History of Literary Criticism E 393 3
 - Senior Seminar E 498 3
- Area Requirements:
 - Lower Division Lit—E 211, 213, 217, 240, 260, 271 or 272 6
 - English Lit courses from E 340-369 9
 - Upper Division electives in Lit or Linguistics 9
 - World Drama TA 341, 342, or 445 3
 - History, other than US or British 6

8. BA, English, Writing emphasis

- Specific courses:
 - Advanced Expository Comp E 201 3

- Technical Writing E 202 3
- Advanced Writing E 401 3
- Writing Internship E 493 6
- Senior Seminar E 498 3
- Area Requirements:
 - Creative Writing E 205, 206, 305, or 306 6
 - Additional upper division writing course 3
 - Linguistics LI 305, 306, 307, or 309 6
 - Lower Division Lit electives 6
 - Upper Division Lit electives 12
 - Additional upper division lit or ling electives 6
 - Interdisciplinary electives, CM 471, 473, 474, 6
 - 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 3
- Linguistics 3
- Survey British Literature E 240 or 260 3
- Survey American Literature E 271 or 272 3
- English and Linguistics electives (6 upper division) 9
- TOTAL** 21

MINOR TEACHING ENDORSEMENT IN ENGLISH

- Advanced Composition 3
- Linguistics 3
- Methods E 301, 381 3
- Survey of American Literature E 271, 272 3
- Lower Division Literature (To be selected from E 215, 230, 235, 240, 260) 6
- Upper Division Literature 6
- Successful completion of Secondary Option Writing Proficiency exam.

THEATRE ARTS MINOR FOR ENGLISH

- Technical Theatre (basic set draw & const) TA 117 4
- Technical Theatre (basic set design, paint, light) TA 118 4
- Acting TA 215 3
- Major Production Participation TA 331 3
- One of the following:
 - Stage Voice TA 233 3
 - World Drama, 500 B.C. to 1660 TA 341 3
 - World Drama, 1660 to 1960 TA 342 3
 - Contemporary Theatre TA 445 3
 - Directing TA 401 3
- One of the following:
 - Shakespeare: Tragedies and Histories E 345 3
 - Shakespeare: Comedies and Romances E 346 3
- TOTAL** 23

COMBINED MAJOR, COMMUNICATION AND ENGLISH

The combined major is designed for students interested in jobs in business and industry or mass communication. It offers an opportunity to combine courses in complementary subject areas. Students 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 freshman will be required to take only the essay section of the placement tests. See requirements below for remedial and advanced placement in English Composition. Nine credits of Creative Writing may be counted toward fulfillment of the major requirements.

Lower Division

E 010 DEVELOPMENTAL WRITING (1-2-0). Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or TWSE score is below 20th percentile. Also for basic review. Successful completion of competency test required.

College of Arts and Sciences

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 competency 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 writing and study of ideas through literature. Honors 111 concentrates on lyric, poetry, essays, and short fiction. Normal prerequisite: 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)(F/S). Special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. PREREQ: Admission to College, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 122 COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(F/S). Practice in college level reading and composition; development of special vocabulary skills related to individual needs, advanced English sentence structure. For Foreign students with TOEFL scores of 551-575. PREREQ: Admission to college, recommendation of Foreign Student Advisor and PERM/INST.

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

E 131 INTRODUCTION TO LITERATURE (3-0-3)(F/S). A study of popular and classic novels, short stories, plays, and poems by notable American, British, and other authors. Students will see film or television versions and hear recorded 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)(F/S). An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness. PREREQ: E 102 or PERM/CHAIR.

E 202 TECHNICAL WRITING (3-0-3)(F/S). 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 concentration 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 literacy aspects with discussions of notable concepts in major writings. PREREQ: E 102.

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

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

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

E 219 NORTH AMERICAN INDIAN FOLKLORE AND LITERATURE (3-0-3)(F). A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The content, form and style 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)(F)(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, Imperial Rome, and medieval and renaissance Europe. PREREQ: E 102.

E 235 WESTERN WORLD LITERATURE (3-0-3)(S)(AREA I). An introduction to the Western literary tradition as it has developed during the last four centuries. At-

tention 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)(AREA I). Examines the dominant cultural movements and literary forms in England from the middle ages through the 18th century. PREREQ: E 102.

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

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

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

Upper Division

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

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

E 306 ADVANCED FICTION WRITING (3-0-3)(F). Exploration of narrative technique, 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 European writers in the 19th century in translation. Reading maintains a chronological approach stressing the relationship of the literature to the socio-economic and political conditions of the times. Works of Goethe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky and Tolstoy are included. PREREQ: E 102 or PERM/CHAIR. Alternate years. Offered 1990/1991.

E 338 TWENTIETH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S). Twentieth-century philosophical trends and cultural themes are emphasized in the reading. Includes works by Mann, Mauriac, Kafka, Hesse, Grass and Solzhenitzyn, which examine mythological, existential, religious, and political themes in relation to contemporary human values. PREREQ: E 102 or PERM/CHAIR. Alternate years. Offered 1990/1991.

E 340 CHAUCER (3-0-3)(F). Emphasis on The Canterbury Tales and Troilus and Criseyde. Also representative minor works. PREREQ: Three credits, lower division literature or PERM/CHAIR. Alternate years. Offered 1990/1991.

E 341 MEDIEVAL EPICS AND ROMANCES (3-0-3)(F/S). Representative English and continental epics and romances, including Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes, Arthurian Romances, The Song of Roland, the Nibelungenlied, The Cid. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1990/1991.

E 345 SHAKESPEARE: TRAGEDIES AND HISTORIES (3-0-3)(F/S). A selection of the tragic plays including Romeo & Juliet, Hamlet and King Lear, and the best plays concerning English history. PREREQ: Three credits literature or PERM/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 348 BRITISH RENAISSANCE POETRY AND PROSE (3-0-3)(F/S). A study of the poetry and prose of the English Renaissance, including works by More, Marlowe, Spenser, Shakespeare, and Bacon. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1991/1992.

E 349 ELIZABETHAN AND JACOBAN DRAMA (3-0-3)(F/S). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster and Ford. PREREQ: Three credits literature or PERM/CHAIR. Alternate years. Offered 1990/1991.

E 350 SEVENTEENTH CENTURY POETRY AND PROSE (3-0-3)(S). The works of English authors such as Francis Bacon, Ben Jonson, John Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: Three credits literature or PERM/CHAIR. Alternate years. Offered 1991/1992.

E 351 MILTON (3-0-3)(S). A study of John Milton's major poetry and prose, with special emphasis on Paradise Lost, Paradise Regained and Samson Agonistes. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1990/1991.

E 356 BRITISH DRAMA: THE RESTORATION TO THE DECADENT MOVEMENT (3-0-3)(F/S). A study of Restoration tragedy, the comedy of manners, sentimental

comedy, and comic opera. Playwrights read include Wycherley, Dryden, Etherege, Congreve, Gay, Sheridan, Goldsmith, Gilbert and Sullivan, and Wilde. PREREQ: Three credits literature PERM/CHAIR. Alternate years. Offered 1990/1991.

E 358 RESTORATION AND EIGHTEENTH CENTURY POETRY AND PROSE (3-0-3)(F/S). A study of literary currents in the British Enlightenment—from satiric to sentimental, reasonable to fanciful. Emphasis: Dryden, Pope, Swift, and Johnson, plus works by Addison and Steele, Thomson, Boswell, Gray, Gibbon, Burke, and others. PREREQ: Three credits lower-division literature or PERM/CHAIR. Alternate years. Offered 1991/1992.

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

E 360 BRITISH ROMANTIC POETRY AND PROSE (3-0-3)(F). Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. These Romantics provide freshly imagined patterns of emotional and intellectual response to nature and our place in it. PREREQ: Three credits literature or PERM/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 find and keep artistic and moral hope amidst vital but unhealthy times. PREREQ: Three credits 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 amusement to reformation. PREREQ: Three credits literature or PERM/CHAIR. Alternate years. Offered 1990/1991.

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

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

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

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

E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(F/S). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H.L. Davis, John Steinbeck, and Willa Cather. Also discussed are regional values and Western types such as the mountain man, the cowboy, and the pioneer. PREREQ: Three credits of literature or PERM/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 389 MODERN BRITISH AND AMERICAN DRAMA (3-0-3)(F/S). An analysis of the various dynamic confrontations between 20th century audiences and actors arranged by dramatists as far apart in their times, themes, and techniques as Shaw and 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.

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

E 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, and how women writers have created their own tradition. The course may focus on writings of a particular period. Alternate years. PREREQ: 3 credits of literature or PERM/INST.

E 481 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOLS (3-0-3)(F). A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is on critical reading of literature ordinarily used with adolescents 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 radical changes Eliot, Pound, Yeats, and others made in poetry's traditional aesthetic and thematic concerns early in this century. The course traces poetry's continuing metamorphosis into the present day. PREREQ: Three credits literature or PERM/CHAIR.

E 488-488G METHODS AND THEORIES OF LITERARY CRITICISM AND RHETORIC (3-0-3)(S). Analysis 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/S)(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 meaning, sounds, words, and sentence formation in English. PREREQ: E 102 or PERM/CHAIR.

LI 306 MODERN ENGLISH GRAMMAR (3-0-3)(F/S). An approach to modern English grammar based on linguistic principles; will covers word formation and sentence structure, including transformational, structural, and newly developing theories of grammar. Alternate years.

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

LI 309 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(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 PSYCHOLINGUISTICS (3-0-3)(S). Development of a general theory of psycholinguistics through the following topics: theories of language definition, description, and development; sociological and neurological sources of language; formation, processing and production of language; semiotics. Alternate years. PREREQ: LI 305 or PERM/INST.

LI 407 APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(S). Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand 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 1991/1992.

Department of Geology/Geophysics

Mathematics-Geology Bldg., Rm. 104 Telephone (208) 385-1631

Chairperson, Associate Professor: Craig White; *Professors:* Donaldson, Hollenbaugh, Pelton, Spinosa, Waag, Wilson, Wood; *Associate Professors:* Bentley, Snyder; *Uol Assistant Professor:* Osiensky; *Visiting Research Professor:* Dougherty.

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)

College of Arts and Sciences

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

Nondegree 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	4
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	3
Structural Geology GO 314	4
Invertebrate Paleontology GO 351	3
Geophysics GP 300 or GP 301	3
Summer Field Camp GO 482	4
Summer Field Camp Report GO 483	2
Senior Seminar GO 498 or 499	1
Geology Electives	11

- 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 2202-3
- Free Electives

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	3
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 301	6
3. Supporting Sciences & Mathematics:	31
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:	29-35
Intro Second Teach: Clsrm Obs TE 172	1
Foundations of Education TE 201	3
Educational Psychology P 220	3
Educ the Except Secondary Student TE 333	1
Educational Technology TE 356	2
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.

GEOPHYSICS MAJOR Bachelor of Science Degree

1. General University and BS Degree Requirements	30
NOTE: Area III is fulfilled by the major requirements below.	
2. Major Requirements:	
Geophysics	21
Gravimetric-Magnetic Methods GP 310	3
Electrical Methods GP 320	3
Seismic Methods GP 330	3
Geophysics Field Camp GP 340	6
Exploration Well Logging GP 410	3
Geophysical App of Dig Sig Proc GP 420	3
Geology	27
Physical Geology GO 101	4
Historical Geology GO 103	4
Intro to Mineralogy GO 221	4
Field Geology GO 280	3
Igneous and Metamorphic Petrology GO 323	3
Igneous and Metamorphic Petrography GO 324	1
Sedimentation and Stratigraphy GO 310	4
Structural Geology GO 314	4
Chemistry	7
College Chemistry I C 131	3
College Chemistry I Lab C 132	1
College Chemistry II C 133	3
(C 134 not required)	
Physics	13
Mechanics, Waves and Heat PH 211	4
Mechanics, Waves and Heat Lab PH 212	1
Electricity, Magnetism and Optics PH 213	4
Electricity, Magnetism and Optics Lab PH 214	1
Electricity and Magnetism PH 381	3
Mathematics	24
Digital Computer Programming CS 124 or EN 104	2
Calculus & Analytic Geometry I M 204	5
Calculus & Analytic Geometry II M 205	4

Calculus & Analytic Geometry III M 206.....	4
Vector Calculus M 320.....	2
Differential Equations M 331.....	3
Lin Sys and Sig Proc CS 426.....	4
Electives*	6

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

Recommended Programs

GEOLOGY MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
College Chemistry C 131, 132, 133, 134.....	4	5
English Composition E 101, 102.....	3	3
Physical Geology GO 101.....	4	-
Historical Geology GO 103.....	-	4
Algebra and Trigonometry M 111.....	5	-
Calculus and Analytic Geometry M 204.....	-	5
	16	17

SOPHOMORE YEAR

Cartography GG 220 or alternate.....	-	3
Intro to Mineralogy GO 221.....	4	-
Petrology GO 323.....	-	3
Petrography GO 324.....	-	1
Field Geology GO 280.....	3	-
Mechanics, Waves and Heat + Lab PH 211, 212.....	5	-
Calculus & Analytic Geometry M 205 or alternate (see required program).....	4	-
Area I & II Electives.....	3	6
	19	13

JUNIOR YEAR

Structural Geology GO 314.....	-	4
Sedimentation & Stratigraphy GO 310.....	4	-
Geomorphology GO 313.....	3	-
Geophysics GP 300 or GP 301.....	3	or 3
Electives Area I & II.....	6	3
Upper Div Geology & Geophysics Electives.....	0-3	6-10
	16-19	16-20

SUMMER OF JUNIOR YEAR

Summer Field Camp GO 482, 483.....	6	
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SENIOR YEAR

Senior Seminar GO 498 or 499.....	-	1
Area I & II Electives.....	6	3
Free Electives at least 3 cr of upper division.....	3	6
Invertebrate Paleontology GO 351.....	3	-
Upper Div Geology & Geophysics Electives.....	4	4
	16	14

EARTH SCIENCE EDUCATION MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102.....	3	3
General Botany BT 130.....	4	-
General Zoology Z 140.....	-	5
Physical Geology GO 101.....	4	-
Historical Geology GO 103.....	-	4
Mathematics M 111.....	5	-
General Psychology P 101.....	-	3
	16	15

SOPHOMORE YEAR

College Chemistry C 131, 132, 133, 134.....	4	5
Intro to Mineralogy GO 221.....	3	-
Petrology & Petrography GO 323, 324.....	-	4
Foundations of Education TE 201.....	-	3
Intro to Secondary Education TE 172.....	1	-
Intro to Meteorology GO 213.....	3	-
Area I Core Classes.....	6	6
	17	18

JUNIOR YEAR

General Physics PH 101, 102.....	4	4
Geomorphology GO 313.....	3	-
Intro to Oceanography GO 201.....	-	3
Secondary School Methods TE 381.....	3	-
Secondary School Science Methods TE 384.....	-	3

Upper Division Earth Science Elective.....	3	3
Educational Psychology P 220.....	3	-
Reading in Content Subject TE 401.....	-	3
	16	16

SENIOR YEAR

Area II Core Classes.....	6	-
Secondary Student Teaching.....	-	10-16
Intro Descriptive Astronomy.....	4	-
Geology Seminar GO 498, 499.....	1	-
Educ Except Secondary Student TE 333.....	1	-
Educational Technology TE 356.....	2	-
Electives.....	0-3	0-3
	14-17	13-16

GEOPHYSICS MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102.....	3	3
Physical Geology GO 101.....	4	-
Historical Geology GO 103.....	-	4
College Chemistry I C 131.....	3	-
College Chemistry I Lab C 132.....	1	-
College Chemistry II C 133.....	-	3
Calculus & Anal Geometry M 204.....	-	5
Digital Computer Prog EN 104 or CS 124.....	-	2
Area I.....	3	-
Elective.....	3	-
	17	17

SOPHOMORE YEAR

Intro to Mineralogy GO 221.....	4	-
Field Geology GO 280.....	3	-
Calculus & Anal Geometry II M 205.....	4	-
Petrology GO 323.....	-	3
Petrography GO 324.....	-	1
Calculus & Anal Geometry III M 206.....	-	4
Mechanics, Waves and Heat PH 211.....	4	-
Mechanics, Waves and Heat Lab PH 212.....	1	0
Area I or II.....	-	3
	16	11

JUNIOR YEAR

Differential Equations M 331.....	3	-
Electricity, Magnetism and Optics PH 213.....	-	4
Electricity, Magnetism and Optics Lab PH 214.....	-	1
Grav-Mag Methods GP 310.....	3	-
Sed & Strat GO 310.....	-	4
Structural Geology GO 314.....	-	4
Vector Calculus M 320.....	2	-
Electrical Methods GP 320.....	-	3
Seismic Methods GP 330.....	-	3
Area II.....	6	-
Elective.....	3	-
	17	19

SUMMER OF JUNIOR YEAR

Geophysics Field Camp GP 340.....	6	
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SENIOR 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 Proces GP 420.....	-	3
Area I & II.....	6	6
Elective.....	-	3
	16	12

Course Offerings

See page 20 for definition of course numbering system

GG GEOGRAPHY

Lower Division

GG 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.

GG 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.

College of Arts and Sciences

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

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

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

Upper Division

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

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

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

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

GG 340 GEOGRAPHY OF THE SOVIET UNION (3-0-3)(F/S). A study of physical and cultural phenomena that have shaped the urban and rural landscapes of the fifteen republics of the USSR. PREREQ: GG 101 or GG 102, 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: GG 101 or 102, 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 III)(Field trip required). A study of the origin and development of the earth, its materials and processes. Topics include weathering, erosion, volcanism, earthquakes, landscapes and plate tectonics. Rocks, minerals and topographic and geologic maps are studied in the laboratory.

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

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

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

GO 201 INTRODUCTION TO 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 (3-0-3)(F). A study of the weather phenomena in terms of origin, distribution and classification. Instruments and research methods are also investigated. PREREQ: GO 101.

GO 221 MINERALOGY (2-3-3)(F). A study of 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 recognizing 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, 103, E 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)(F)(Field trips required). A study of the features of the earth's surface such as mountains, valleys, beaches, and rivers and the process by which they are formed and changed. Laboratory work consists of map studies and field investigations. PREREQ: GO 103, E 102.

GO 314 STRUCTURAL GEOLOGY (3-3-4)(S)(Field trips required). Fundamentals of descriptive, kinematic and dynamic analysis of structures within the Earth's crust, and a theoretical treatment of stress and strain. Laboratory problems in orthographic and stereographic methods, and solution of structural problems using geologic maps and cross-sections. PREREQ: M 111, GO 101, 221, 280.

GO 323 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)(F)(Field trips required). The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hardpart morphology, ontogeny, phylogeny and taxonomy of geologically important groups. Laboratory work based on standard collections. Special project. PREREQ: GO 103.

GO 403-403G ENGINEERING GEOLOGY (2-3-3)(S)(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)(S)(Field trip required). The study of subsurface water and its relationship to surface water, the hydrologic cycle and the physical properties of aquifer systems. Flow nets and flow 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, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration, and secondary enrichment, controls of ore occurrence and the economics of exploration, development, and use of ores. Laboratory work consists of detailed studies of ore and alteration suites. Transmitted and reflected-light microscopy will be used to supplement hand-specimen study.

GO 422 EXPLORATION AND MINING GEOLOGY (3-0-3)(S). The course emphasizes geologic, engineering and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematically gathering, evaluating, and presenting data pertinent to exploration and development discussions are also studied. Field trips required.

GO 431-431G 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 (2-0-2)(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 volcano-tectonic relationships will be emphasized. An independent project pertaining to volcanoes or volcanic rocks will be required of all students taking the course for graduate credit. PREREQ: GO 323.

GO 471-471G 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 photograph and topographic base. Student should expect to be in the field 8-10 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).

GO 495 SENIOR THESIS (4-6 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Problem must be well-stated and method of study designed to give a conclusive result. Project may be substituted for GO 480 upon approval of a written proposal by a committee of three department faculty members. PREREQ: Senior Standing.

GO 498, 499 GEOLOGY SEMINAR (1-0-1). Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. PREREQ: Geology, 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 310-310g GRAVIMETRIC AND MAGNETIC METHODS (3-0-3)(F). Basic potential field theory, instrumentation, reduction of observed data, methods of data interpretation. Applications to petroleum and mineral exploration, geotechnical and engineering investigations. PREREQ: GO 101; must be concurrently taking or have taken PH 213, PH 214.

GP 320-320g ELECTRICAL METHODS (3-0-3)(S). Electrical properties of earth materials. Fundamentals of instrumentation, data collection, reduction and interpretation. Application to resource exploration and other geophysical problems. PREREQ: GO 101, PH 213, PH 214.

GP 330-330g SEISMIC METHODS (3-0-3)(S). Fundamentals of seismic wave propagation in an elastic medium. Reflection and refraction at plane boundaries; energy and attenuation considerations. Instrumentation, data collection, reduction and interpretation. Application to exploration and other in-site investigations. PREREQ: GO 101, PH 213, PH 214.

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

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 420-420G GEOPHYSICAL APPLICATIONS OF DIGITAL SIGNAL PROCESSING (3-0-3)(S). Review of digital linear system theory. Digital representation of geophysical data. Geophysical applications of convolution, fast-Fourier transform (FFT), correlations, spectral analysis, least squares filters, deconvolution, multi-channel and two-dimensional operations. Emphasis in on processing of seismic reflection data, potential field maps, and earthquake seismograms. Computer laboratory exercises. PREREQ: CS 426.

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 geomotomography 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)(Alternate years). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science—both as subject matter and as processes of scientific inquiry. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curricular materials for secondary school science teaching.

Department of Mathematics

Math-Geology Bldg., Rm. 202

Telephone (208) 385-1172

Chairperson and Associate Professor: Stephen Grantham; *Professors:* Anderson, Ball, Eastman, Hausrath, Hughes, Juola, Kerr, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; *Associate Professors:* Ayers, Ferguson, Griffin, Kenny; *Assistant Professors:* Feldman, Jarratt, Porter, Scheepers.

Degrees Offered

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

Department Statement

The Department of Mathematics offers three Bachelor's degree options: Mathematics, Mathematics with Secondary Education option, Mathematics with Computer Science option, along with a Master's degree program for junior and senior high school teachers.

A student's course of study can be tailored to suit a particular interest in pure mathematics, applied mathematics, computer science, mathematics teaching, software engineering, statistics or operations research.

Degree Requirements

**MATHEMATICS MAJOR
Bachelor of Arts or Bachelor of Science Degree**

1. University Requirements for BA or BS Degree.
2. Mathematics Requirements: Lower Division
 - a. M 204, 205, 206 or M 211, 212 Calculus 10-13
 - b. CS 127 Intro to Computer Science 4
3. Upper Division Mathematics—27 credits including:
 - a. M 301 Linear Algebra 4
 - b. One or more selections in at least 4 of the 5 following groups
 - 1) M 302 Introduction to Abstract Algebra 3
 - 2) M 314 Foundations of Analysis 3
 - 3) M 361 Fundamentals of Statistics
or 4-6
 - M 431, 432 Probability and Statistics
 - 4) M 306 Number Theory 3
 - M 356 Discrete Mathematical Structures 3
 - M 441 Abstract Algebra 3
 - M 456 Linear Programming 4

College of Arts and Sciences

- 5) M 406 Theory of Functions of a Complex Variable3
 M 340 Numerical Analysis4
 M 331 Differential Equations3
 M 401 Advanced Calculus3
 M 411 Intro to Topology3
- c. One of the following sequences:
- 1) CS 354 Programming Languages4
 CS 358 Data Structures4
 CS 451 Systems Programming4
- 2) M 401, 402 Advanced Calculus6
- 3) M 421 Fourier Series & Boundary Value Problems3
 M 456 Linear Programming4
- 4) M 431, 432 Probability and Statistics6
- 5) M 441, 442 Abstract Algebra6
- d. And a 400-level course (numbered below M/CS 490) in addition to those in the sequence selected.

All upper division mathematics courses numbered below M/CS 490 count toward the requirement of 27 upper division mathematics credits. No more than 4 credits of the combined total of credits earned for courses numbered M/CS 490 through M/CS 499 can be used toward the 27 credits of upper division mathematics requirements.

MATHEMATICS, COMPUTER SCIENCE OPTION Bachelor of Science Degree

1. General University Requirements for BS degree.
2. Required Computer Science courses:
- a. Intro to Computer Science I CS 1253
 b. Intro to Computer Science II CS 1274
 c. Assembler Language Programming CS 2264
 d. Programming in 'C' in UNIX Environment CS 2274
 e. Programming Languages CS 3544
 f. Data Structures CS 3584
 g. Systems Programming CS 4514
 h. Operating Systems Principles CS 4533
 i. Software Design & Implementation CS 4713
3. Required Mathematics courses:
- a. Calculus M 204, 205, 20613
 or
 Accelerated Calculus M 211, 21210
- b. Linear Algebra M 3014
- c. Numerical Analysis M 3404
- d. Discrete Structures M 3563
- e. Intro to Statistics M 3614
 or
 Probability & Statistics M 431, 4326

MATHEMATICS, SECONDARY EDUCATION OPTION Bachelor of Science or Bachelor of Arts Degree

1. University Requirements for BS or BA Degree.
2. Mathematics Requirements:
- a. Intro to Computer Science I CS 1253
 b. Calculus through M 206 or M 21210-13
 c. Linear Algebra M 3014
 d. At least one of
- 1) Intro to Abstract Algebra M 3023
 2) Number Theory M 3063
- e. Foundations of Geometry M 3113
 f. Foundations of Analysis M 3143
 g. Statistics M 361 or both M 431, 4324-6
 h. Mathematical Modeling M 4643
 i. Mathematics in Secondary Schools M 4903
3. Either 45 semester hours of Mathematics or 30 semester hours of Mathematics and an approved minor-certification area outside of Mathematics. (See page 120).

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

4. Education Requirements—26-32 credits. See "Certification Requirements and Endorsements for Secondary Education". (Page 119.)
 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.

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	4
Introduction to Abstract Algebra M 302	3
Foundations of Geometry M 311	3
Fundamentals of Statistics M 361	4
Electives to complete 20 hours	3-6
TOTAL	20

Suggested Programs

MATHEMATICS MAJOR

FRESHMAN YEAR

Calculus M 204, 205 or M 211, 212	9-10
English Composition E 101, 102 or E 111, 112	6
Introduction to Computer Science I CS 125	3
Introduction to Computer Science II CS 127	4
Area I and Area II Core Requirements	
Area III Core Requirements	
Suggested electives:	
College Chemistry C 131-134	9

SOPHOMORE YEAR

Calculus M 206	4
Linear Algebra M 301	4
Differential Equations M 331	3
Intro to Abstract Algebra M 302	3
Area I and Area II Core Requirements	
Suggested electives:	
Prin of Economics EC 201, 202	6
Mechanics, Wave and Heat + Lab PH 211, 212	5
Electricity, Magnetism and Optics + Lab PH 213, 214	5

JUNIOR YEAR

Foundations of Analysis M 314	3
Linear Programming M 456	4
Discrete Math Structures M 356	3
or	
Number Theory M 306	3
Probability and Statistics M 431, 432	6
Area I and Area II Core Requirements	

SENIOR YEAR

Advanced Calculus M 401, 402	6
Abstract Algebra M 441, 442	6
Senior Seminar M 498	3
Area I and Area II core requirements	

MATHEMATICS, COMPUTER SCIENCE OPTION

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

English Composition E 101, 102 or E 111, 112	6
Calculus M 204, 205 or M 211, 212	9-10
College Chemistry & Labs C 131-134	9
Intro to Computer Science I CS 125	3
Intro to Computer Science II CS 127	4

SOPHOMORE YEAR

Calculus M 206	4
Assembler Programming CS 226	4
Mechanics, Waves & Heat PH 211, 212	5
Electricity, Magnetism & Optics PH 213, 214	5
Intro to Logic PY 121	3
Linear Algebra M 301	4
Program in 'C' in UNIX Environ CS 227	4
Area I or II	3
	32

JUNIOR YEAR

Programming Languages CS 354	4
Discrete Structures M 356	3
Fund of Statistics M 361	4
Prin of Economics EC 201, 202 (Area II)	6
Intro Computer Graphics CS 341	3
Data Structures CS 358	4
Numerical Analysis M 340	4
Area I or II	6
	34

SENIOR YEAR

Systems Programming CS 451	4
Fund of Speech Communication CM 111 (Area II)	3
Technical Writing E 202	3
Operating Systems Principles CS 453	3
Software Design & Implementation CS 471	3
Linear Programming M 456	4
Area I or II	3
Elective or Internship	8
	31

MATHEMATICS, SECONDARY EDUCATION

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

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102 or E 111, 112	3	3
Calculus M 204, 205	5	4
Intro to Computer Science CS 125	-	3
Electives	8	6
TOTAL	16	16

SOPHOMORE YEAR

Calculus M 206	4	-
Linear Algebra M 301	-	4
General Psychology P 101	3	-
Intro to Second Teach: Clsrm Obs TE 172	1	-
Foundations of Education TE 201	-	3
Electives	8	9
TOTAL	16	16

JUNIOR YEAR

Foundations of Analysis M 314	3	-
Algebra M 302 or Number Theory M 306	0-3	0-3
Statistics M 361 or 431 and 432	3-4	3-4
Foundations of Geometry M 311	-	3
Educational Psychology P 325	3	-
Educational Technology TE 356	2	-
Secondary School Methods TE 381	-	3
Electives	1-8	3-10
TOTAL	16	16

SENIOR YEAR

Mathematical Modeling M 464	3	-
Mathematics in Secondary School M 490	3	-
Educating Exceptional Sec Stu TE 333	1	-
Teaching Reading in Content Subjects TE 407	3	-
Secondary Student Teaching	-	10-16
Electives	6	-
TOTAL	16	10-16

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 re-

quest 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 computer hardware 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, recursion, dynamic data structures, searching and sorting. PREREQ: CS 125 or PERM/INST.

CS 226 ASSEMBLER LANGUAGE (4-0-4)(F). Assembler language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, handsome output, program sectioning and linking, macros. 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 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 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 451 SYSTEMS PROGRAMMING (4-0-4)(F). Machine language programming, Assembler language programming, concepts of compiler construction, an introduction to compiler construction tools under UNIX. PREREQ: CS 227, 354 and 358.

CS 453 OPERATING SYSTEMS PRINCIPLES (3-0-3)(S). Resource management, I/O programming, interrupts, memory management, process management, dynamic allocations. PREREQ: M 361 and CS 451 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 ALGEBRA REVIEW (3-0-0). A refresher course. Algebra is covered from fundamental operations through the level 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.

College of Arts and Sciences

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 106 MATHEMATICS FOR BUSINESS DECISIONS (4-0-4)(AREA III). Limits, derivatives, curve sketching, partial derivatives, optimization problems, and integrals. PREREQ: M 105, 108, 111.

M 108 INTERMEDIATE ALGEBRA (4-0-4). Intermediate algebra with plane trigonometry. PREREQ: Satisfactory score on mathematics placement examination.

M 111 ALGEBRA AND TRIGONOMETRY (5-0-5)(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 204 CALCULUS AND ANALYTIC GEOMETRY (5-0-5)(AREA III). Plane analytic geometry, functions, limits and continuity. The derivative and applications. The integral and applications. Conic sections and translation of axes. PREREQ: Satisfactory score on mathematics placement examination.

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

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

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

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

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

Upper Division

M 301 LINEAR ALGEBRA (4-0-4)(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 spaces, maps, networks, topological equivalence of figures, topological spaces and metric 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, Stoke's Theorem, and the Divergence Theorem. PREREQ: M 206 or 212.

M 331 DIFFERENTIAL EQUATIONS (3-0-3)(F,S). Theory of ordinary differential equations with applications to the physical sciences and engineering. PREREQ: M 206 or 212.

M 340 NUMERICAL ANALYSIS (4-0-4)(S). The application of numerical methods to the interpretation and analysis of data, solution of equations, general iterative methods, 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, logical deduction, sets, relations, graphs and directed graphs, trees, and networks. PREREQ: M 206 or 212 or PERM/INST.

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

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

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

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

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

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

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

M 456-456G LINEAR PROGRAMMING (4-0-4)(S). Simplex algorithm, two-phase method, simplex algorithm for problems with bounded variables, duality theory, postoptimality analysis, network simplex method, and the transportation and assignment problems. PREREQ: M 301.

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 programs. 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 Chair and Associate Professor:* Donald Oakes; *Professors:* Baldwin, Hsu, Parkinson, Shelton, Winston; *Associate Professors:* Baldassarre, Belfy, Bratt, C. Elliott, Rozmajzl, Samball, Schroeder; *Assistant Professors:* Berg, Purdy, Thomason, Wells.

Degrees Offered

- BA and BM in Music
- BM in Music Education

Department Statement

Gifts and Memorials to the Music Department: The Music Department has been the recipient of many fine gifts of instruments, music, scholarship donations; and record collections from friends and supporters of the Department. In the 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 Margaret Drake, Elizabeth Bowen, Martha S. Reese, Lucille Lippincott, and the Boise Choristers.

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

1. The Bachelor of Music Degree is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Music Education.
 - a. Major emphasis in Performance or Theory-Composition: designed to train performers, performing artists, 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 students will be required to attend Concert Class during each semester of residency at Boise State University (see course description for MA 010 for complete details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA 444, 445 or 446 recitals are exempt from faculty jury during the semester in which the recital is given.
 - b. All Bachelor of Music majors whose major instrument is other than keyboard are required to pass, no later than the end of the junior year, 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 Bachelor of Music majors are required to register for one of the three major ensembles (Band, Choir or Orchestra) each semester, totaling a minimum of eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits and may count up to 2 credits of Duo Piano ensemble (MC 185, 385) toward this requirement. Guitar majors may take two credits of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.
 - d. The following core of Music courses will be included in all Bachelor of Music curricula:

Concert Class MA 010	0
(attendance required each semester of full-time residency; Music Education majors are exempt during semester/weeks of student teaching.)	
Ensemble ME — (see 1c above)	6-8
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
Basic Form and Analysis MU 223	2
Basic Conducting MU 261	1
Music History & Literature I-III MU 351, 352, 353	9
TOTAL	37-39
2. Performance Emphasis Minimum Requirements:
 - a. General University and Basic Core Requirements for Bachelor of Music Degree. 32
 - b. Music Requirements
 - (1) Music Core
 - (2) Performance Studies
 - All Performance majors will take 2 credits of Performance Studies the first semester, freshman year, and perform a 4

credit jury prior to enrolling in 4 credit Performance Studies second semester. MC 400 Level Studies: 8 credits minimum.	
c. Additional Upper Division Courses	
Total credits	16-22
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
*Not required of Piano, Voice or Guitar majors.	
**Required only of Piano, Voice or Guitar majors.	
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	37-39
(2) Lower Division Performance Studies	16
Performance Major Studies	8
Performance Minor Studies (Piano, unless major instrument is Keyboard)	8
(3) Additional Upper Division Courses	31
MC 300 Level Performance Major Studies	4
Keyboard Harmony & Basic Improv MU 313, 314	4
Band Arranging MU 455	2
Counterpoint MU 423, 424	6
Advanced Form & Analysis MU 410	3
Choral & Instrum Conducting MU 365, 366	2
Music Composition MA 410	8
Senior Composition Recital MA 447	2
or	
Music Seminar MU 498	2
c. Elective Credits	12-14
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	37-39
(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	1
Instrumental Tech & Meth MU 257, 266	4
Vocal Tech & Meth MU 256	2
(4) Additional Upper Division Courses	15
Band Arranging MU 455	2
Band & Orchestra Meth & Mater MU 387	2
Choral Methods & Mater MU 385	2
Choral & Instr Conducting MU 365, 366	2
Instrumental Tech & Meth MU 368, 369	4
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 P 220	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
c. Elective Credits	0-1
Recommended Music Electives:	
Functional Piano MU 213	2
Teaching Music in the Elem Classroom MU 372	2
(to qualify students for Idaho State Certification for Elementary School Music Specialist)	

The above requirements lead to state certification eligibility to teach music in the public schools. Specific details are available from the Music Department.

College of Arts and Sciences

BACHELOR OF ARTS PROGRAM

General Music Major Option

- General University and Basic Core Requirements for the Bachelor of Arts Degree.
- 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, 22012
 - Ear Training I-IV MU 121, 122, 221, 2224
 - Survey of Western Music MU 1433
 - Music History & Literature II and I or III
MU 352 & MU 351 or MU 353.....6
 - 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 Chairman in the areas of Music Theory, Music History/Literature, or Music Education.

Music/Business Option

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

- Area II:
CM 111 Fundamentals of Speech Communication3
- Area III:
At least one course in Mathematics selected from the following:
M 100 Mathematics for Liberal Arts Students, or4
M 105, 106 Math for Business Decisions4-8
- Minimum Music Requirements:
Total credits45
 - MA 010 Concert Class (each semester).....0
 - MC—Performance Studies8
 - ME—Ensemble4
 - Materials of Music I, II MU 119, 120.....6
 - Ear Training I, II MU 121, 122.....2
 - Survey of Western Music MU 1433
 - Music History & Lit II and I, or III
MU 352 and MU 351, or MU 3536
 - Senior Project*3
 - Music Electives (upper division)13
- Business Courses:
(a maximum of 33 credits in Business courses allowed)24-33
- Required Courses:
 - Intro Financial Accounting AC 2053
 - Intro Managerial Accounting AC 2063
 - Introduction to Business GB 1013
 - Legal Environment of Business GB 2023
 - Appl of Computer Information Systems IS 1013
 - Management & Organizational Theory MC 3013
 - Salesmanship MM 1013
 - Principles of Advertising MM 2033
- Additional courses-electives
(up to 9 credits may be chosen from the following):
 - Principles of Economics-Macro EC 2013
 - Principles of Economics-Micro EC 2023
 - Intro to Management Information Systems IS 3103
 - Principles of Marketing MK 3013
 - Consumer Behavior MK 3073

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

MUSIC MINOR

- Concert Class MA 010 (two semesters)0
- Materials of Music I & II MU 119, 1206
- 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 Interm Guitar Class (MA 127, 128) or Private Lessons (MC courses*) in any Instrument or Voice2-4
- Music Electives-Upper Division5
- TOTAL**20-22

*MC courses are extra fee courses.

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

Recommended Programs

PERFORMANCE EMPHASIS MAJORS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102.....	3	3
Concert Class MA 010.....	0	0
Performance Major MC 1-2, 1-4.....	2	4
Major Ensemble ME 1—.....	1	1
Materials of Music I, II MU 119, 120.....	3	3
Ear Training I, II MU 121, 122.....	1	1
Survey West Art Music MU 143 (Area I).....	3	-
Area II History.....	3	-
Area II Elective.....	-	3
	16	15

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
Ear Training III, IV MU 221, 222.....	1	1
Basic Conducting MU 261.....	-	1
Area I Literature.....	3	-
Area I Elective.....	-	3
Area II Electives.....	3	3
	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
Foreign Language I & II.....	4	4
	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	or 1
Senior Recital MA 446.....	2	or 2
Electives.....	1-3	1-3
	17	18

TOTAL CREDITS

128

*Keyboard majors (piano/organ) must include 2 semesters of ME 180/380 Accompanying and may include up to 2 semesters of ME 185/385 Due-Piano. Guitar majors must include 2 semesters of ME 167/367 Guitar Ensemble.

**MU 313, 314 Keyboard Harmony and MU 463, 464 Major Instrument Pedagogy I & II are offered alternate years only. See catalog course description for details.

†Piano, Voice or Guitar majors must include MU 457 Major Instrument Literature.

*Not required of Piano, Voice or Guitar majors.

THEORY COMPOSITION MAJORS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102.....	3	3
Concert Class, MA 010.....	0	0
Performance Major Studies MC 1-2.....	2	2
Performance Minor Studies* MC 1-2.....	2	2
Major Ensemble ME 1—.....	1	1
Materials of Music I, II MU 119, 120.....	3	3
Ear Training I, II MU 121, 122.....	1	1
Survey West Art Music MU 143 (Area I).....	3	-
Area II History.....	-	3
	15	15

SOPHOMORE YEAR

Concert Class MA 010	0	0
Performance Major Studies MC 2-2	2	2
Performance Minor Studies* MC 2-2	2	2
Major Ensemble ME 1—	1	1
Materials of Music III, IV MU 219, 220	3	3
Ear Training III, IV MU 221, 222	1	1
Basic Conducting Mu 261	-	1
Music History I MU 351	-	3
Area I Literature	3	-
Area II Electives	3	3
Area II Electives	3	-
	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	-	1
Keyboard Harm** MU 313, 314 or Elect	2	2
Music History II, III MU 352, 353	3	3
Advanced Form & Analysis MU 410	-	2
Counterpoint MU 423 or 424	3	-
Band Arranging MU 455	2	-
Area I Elective	-	3
	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	1	-
Counterpoint MU 423 or 424	3	-
Composition Recital MA 447	-	2
Foreign Language	4	4
Electives	3	4
	16	15

TOTAL CREDITS

128

*Performance minor instrument must be piano unless piano is the performance major.
 **MU 313, 314 Keyboard Harmony is offered alternate years only. See catalog course description for details.

MUSIC EDUCATION EMPHASIS MAJORS

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102	3	3
Concert Class MA 010	0	0
Piano Class* MA 150	1	1
Private Lessons MC 1-2	2	2
Major Ensemble ME 1—	1	1
Materials of Music I, II MU 119, 120	3	3
Ear Training I, II MU 121, 122	1	1
Survey West Art Music MU 143 (Area I)	3	-
Area II History Elective	-	3
General Psychology P 101 (Area II)	3	-
Area I Electives	-	3
	17	17

SOPHOMORE YEAR

Concert Class MA 010	0	0
Piano Class* MA 150	1	-
Functional Piano MU 213	-	2
Private Lessons MC 2-2	2	2
Major Ensemble ME 1—	1	1
Materials of Music III, IV MU 219, 220	3	3
Ear Training III, IV MU 221, 222	1	1
Inst Tech & Meth MU 257 or 266	2	-
Inst Tech & Meth MU 368 or 369	-	2
Vocal Techniques MU 256	-	2
Basic Conducting MU 261	-	1
Music History I MU 351	-	2
Orientation to Music Educ MU 271	1	-
Foundations of Education TE 201 (Area II)	3	-
Area I Literature	3	-
	17	17

JUNIOR YEAR

Concert Class MA 010	0	0
Private Lessons MC 3-2	2	2
Major Ensemble ME 3—	1	1
Basic Form & Analysis MU 223	2	-
Inst Tech MU 257 or 266	2	-
Inst Tech & Meth MU 368 or 369	-	2
Music History II, III MU 352, 353	3	3
Choral Conducting MU 365	1	-
Instrumental Conducting MU 366	-	1
Band and Orch Meth MU 387	2	-
Choral Methods MU 385	-	2
Educational Psychology P 220	-	3
Foreign Language or Area III	4	4
	17	18

SENIOR YEAR

Concert Class MA 010	0	-
Senior Recital MA 444	1	-
Private Lessons MC 3-2	2	-
Major Ensemble ME 3—	1	-
Elementary Music Meth MU 372	2	-
Band Arranging MU 455	2	-
Educating Exceptional Students TE 333	1	-
Secondary School Methods TE 381	3	-
Reading in the Content Subjects TE 407	3	-
Area I Elective	3	-
Secondary Student Teaching**	-	10-16
	18	10-16

TOTAL CREDITS

131-137

*MA 150 Class Piano not actually required but strongly recommended unless major instrument is keyboard OR student can demonstrate adequate keyboard facility in MU 213 Functional Piano.

** (TE 482 & TE 483 16 credits) OR (TE 477 6 credits & TE 484 OR 485 10 credits) OR (TE 484 or TE 485 10 credits).

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.

Course Offerings

See page 20 for definition of course numbering system

MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

Lower Division

MA 010 CONCERT CLASS (0-1-0)(F/S). Student, guest and/or faculty performances. Additional attendance at 10 concerts/recitals, excluding concert class, is required as part of this course: credit toward the concert/recital attendance requirement is allowed for up to 5 concerts in which one is a performer. (Pass/Fail).

MA 107 RECORDER CLASS (1-0-1)(S). The class is designed to improve the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The class will meet once a week. Students must supply their own instrument. May be repeated once for credit.

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

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

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

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

Upper Division

MA 307 RECORDER CLASS (1-0-1)(F/S). The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the recorder, and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The classes will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or PERM/INST.

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

College of Arts and Sciences

MA 328 JAZZ GUITAR CLASS (0-2-1)(F/S). A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in jazz is approached within a historical perspective beginning with the 1930's. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

MA 410 MUSIC COMPOSITION (2-0-2)(F/S). Instruction and supervised experience in composing for various instruments and voices, individually and in combination, utilizing small and large musical forms. May be repeated for a total of 8 credits. PREREQ: PERM/INST.

MA 444 MUSIC EDUCATION—BACHELOR OF ARTS SENIOR RECITAL (0-V-1). This course is a one-half recital to be presented as the culminating performance project for music education majors and for bachelor of arts music majors emphasizing performance. PREREQ: 300-level performance ability and PERM/INST. Graded pass/fail.

MA 445 RECITAL (0-V-2). Music Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. PERM/INST/CHAIR.

MA 446 SENIOR PERFORMANCE RECITAL (0-V-2). This course is a full recital to be presented as the culminating project for performance emphasis majors within the Bachelor of Music program. PREREQ: 400-level performance ability and PERM/INST. Graded pass/fail.

MA 447 SENIOR COMPOSITION RECITAL (0-V-2). A recital for the performance of original compositions by the Theory-Composition major. Students must make their own arrangements with personnel required for the recital. Required of Theory-Composition majors. PREREQ: Major in Theory-Composition and PERM/INST. Graded pass/fail.

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES

(These courses carry an extra fee. For details see schedule of fees elsewhere in this Catalog.)

Students enrolling in private lesson (MC) studies must secure the consent of the instructor prior to registration.

Generally, all entering freshmen will enroll in 100-level studies; non-music majors will enroll initially in 100-level studies. Before permission is granted to any student to enroll in the next higher level, the student must perform before a faculty jury toward the determination of appropriate level placement. Juries are held at the end of each semester. Music majors are required to perform on their major instrument before a faculty jury each semester. Details in performance level requirements for each instrument and voice are available from the Music Department office. All MC undergraduate courses may be repeated for credit (no limit). Students transferring into the Music Department as Music majors from another institution or from another department within BSU must complete a performance examination for placement in the appropriate performance level.

Private Lesson Performance Studies Course Numbering System:

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

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

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

MC 102, 104, 202, 204, 302, 304, 402, 404 WOODWIND INSTRUMENTS Private lessons.

MC 112, 114, 212, 214, 312, 314, 412, 414 BRASS INSTRUMENTS private lessons.
MC 122, 124, 222, 224, 322, 324, 422, 424 PERCUSSION INSTRUMENTS private lessons.

MC 132, 134, 232, 234, 332, 334, 432, 434 VOICE private lessons.

MC 142, 144, 242, 244, 342, 344, 442, 444 KEYBOARD INSTRUMENTS private lessons.

MC 152, 154, 252, 254, 352, 354, 452, 454 FRETTED STRING INSTRUMENTS private lessons.

MC 162, 164, 262, 264, 362, 364, 462, 464 BOWED STRING INSTRUMENTS private lessons.

Course numbers ending in 2: (0-5-2)(F/S).

Course numbers ending in 4: (0-1-4)(F/S).

ME MUSIC, ENSEMBLE

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

Lower Division and Upper Division

ME 101, 301 UNIVERSITY SINGERS (0-2-1)(F/S). A general chorus open to all university students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester.

ME 105, 305 MEISTERSINGERS (0-5-1)(F/S). Essentially a course in unaccompanied singing; open to all university students. The Meistersingers is the concert-touring choir of the University. PREREQ: Enrollment is by audition and Music Department approval.

ME 110, 310 VOCAL ENSEMBLE (0-2-1)(F/S). Designed to promote participation in and repertoire knowledge of small vocal ensembles. Literature includes music of all periods. Public performances given each semester. PREREQ: PERM/INST.

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: PERM/INST.

ME 115, 315 OPERA THEATRE (0-5-1). A course in the study and production of operas. PREREQ: PERM/INST.

ME 120, 320 SYMPHONIC WINDS (0-5-1)(F/S). An elective open to all students who can play a band instrument.

ME 121, 321 MARCHING BAND (0-V-1)(F). Designed to promote participation in and repertoire knowledge of literature for marching bands, the marching band performs at all home and at least one away football game and occasionally at other university or civic events. Open to all students capable of playing a band instrument.

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: PERM/INST.

ME 126, 326 JAZZ ENSEMBLE (0-3-1)(F/S). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of dixieland, be-bop, swing, rock and contemporary jazz. Class rehearsals include study of rhythm problems, notation, improvisation, ear training and chord construction in jazz. Public performance each semester. PREREQ: PERM/INST.

ME 130, 330 WOODWIND ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge of small woodwind ensembles. A public performance is required each semester.

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.

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: PERM/INST.

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

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: PERM/INST.

ME 167, 367 GUITAR ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). PREREQ: PERM/INST.

ME 180, 380 ACCOMPANYING (0-2-1)(F/S). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique.

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: PERM/INST.

MU MUSIC, GENERAL

Lower Division

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 fundamental structures of music notation, scales, intervals, rhythmic patterns, etc. The course is designed for students aspiring to be music majors but lacking the necessary fundamentals background.

MU 119 MATERIALS OF MUSIC (3-0-3)(F/S). Music fundamentals review; notation, intervals, scales and modes, triads, key signatures, etc. Melody, cadences. Emphasis is on aural and visual recognition, analysis and compositional skills involving the above. PREREQ: piano proficiency to play simple melodies and harmonies, or concurrent enrollment in piano study, or PERM/INST.

MU 120 MATERIALS OF MUSIC II (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 harmonic structures. PREREQ: Previous or concurrent enrollment in MU 119 and 120.

MU 133 INTRODUCTION TO MUSIC (3-0-3)(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.

MU 143 SURVEY OF WESTERN MUSIC (3-0-3)(F). A preliminary course designed to acquaint the novice with music history, literature, notation, materials, library and listening skills, and concert behaviors. Primarily intended for the beginning music major but open to all students with a basic background and interest in music. Attendance at at least four approved live concerts/recitals is required.

MU 147 SURVEY OF OPERA AND MUSIC THEATRE (0-2-1)(F). An historical survey of the development and growth of opera and music theatre through chronological study of scores, recordings, sound filmstrips, and library resource materials from the beginning of the Baroque period to contemporary Modern Opera and Music Theatre compositions. Required of voice majors.

MU 201 MUSIC FUNDAMENTALS (2-0-2). Primarily for Elementary Education students, but open to all non-music majors. Learning to read music through study of music notation symbols. Study of all scales and keys, major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced.

MU 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 per MU 119.

MU 220 MATERIALS OF MUSIC IV (3-0-3)(F/S). Continuation of 4-part textures. Eleventh and thirteenth chords; twentieth century melody and harmony; atonality and serial techniques. Compositional skills involving the above. PREREQ: MU 219 or equivalent and piano per MU 119.

MU 221, 222 EAR TRAINING III-IV (0-2-1)(F/S). Continuation of Ear Training I-II: solfeggio, dictation of more advanced rhythms, 2, 3 and 4-parts. Student expected to play at keyboard simpler forms of basic chords in 4-part harmony. PREREQ: MU 121, 122; MU 120; at least one year of piano study or concurrent enrollment in piano study.

MU 223 BASIC 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. An overview of larger common forms: sonata, variation, rondo, etc. PREREQ: MU 219 or equivalent or PERM/INST.

MU 256 VOCAL TECHNIQUES AND METHODS (1-2-2)(S). Designed for the music education major, this course deals with teaching skills to help develop the vocal potentials of young students, describing basic physical components of the voice and their coordination, understanding the young and "changing" voice, and learning phonetic components of Latin, Italian, and German.

MU 257 STRING INSTRUMENT TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of string-class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello and string bass.

MU 261 BASIC CONDUCTING (0-2-1)(F/S). Fundamental techniques of conducting: baton fundamentals, group rehearsal techniques, and simple score reading.

MU 266 WOODWIND TECHNIQUES AND METHODS (1-2-2)(F). Primarily for music education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.

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

Upper Division

MU 313, 314 KEYBOARD HARMONY AND BASIC IMPROVISATION (2-0-2)(F/S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. PREREQ: MU 120-122 and 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 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). The analysis of the development of Western art music from early Christian times through the early 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 and 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 basic performing techniques.

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

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

MU 371 MUSIC METHODS FOR THE ELEMENTARY SCHOOL TEACHER (2-0-2). Materials, methods and problems relating to classroom music in grades K through six. PREREQ: Music Fundamentals MU 301 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.

College of Arts and Sciences

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

MU 463 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) I (2-0-2)(F). A survey and comparative study of pedagogical materials, principles and procedures. The course will consist of reading, lecture, listening and observation in teaching studios. PREREQ: Upper Division standing in performance. Alternate years with MU 457.

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

MU 498 MUSIC SEMINAR (2-0-2)(F/S). A seminar project under faculty direction. PREREQ: Senior standing.

Department of Physics

Science-Nursing Bldg., Rm. 318 Telephone (208) 385-3775

Chairperson and Professor: Robert A. Luke; Professors: Allen, Luke, Newby, Reimann, Smith; Associate Professor: Dykstra.

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	55
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 Lab PH 301	4
Transducers PH 304	3
Lab Microprocessor Applications PH 307	3
Modern Physics PH 311, 312	6
Optics PH 332, 333	6
Optics Lab PH 334	1
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. Fund of Statistics M 361	4
e. Four Ser & Bd Value Prob M 421	3
f. Probability & Statistics M 431	3
g. Linear Syst & Sig Process CS 426	4
C. Chemistry	9
D. Recommended Electives	14

Secondary Option

1. General University Requirements	30
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2. Major Requirements	77
A. Physics	33
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
Intro to Descriptive Astronomy PH 105	4
Modern Physics PH 311, 312	6
Optics PH 332, 333	6
Optics Lab PH 334	1
Lab Microprocessor App PH 307	3
Senior Lab PH 481	3
B. Engineering	2
Computer Prog course, such as EN 104 or CS 122	2
C. Math	16
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	1
Educational Technology TE 356	2
Educational Psychology P 220	3
Read in Content Subjects TE 407	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
*Laboratory Microprocessor Applications PH 307	3
*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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Calculus & Analytic Geometry M 204, 205	5	4
Digital Computer Programming EN 104 or 107	2-3	3
Electives	-	3-4
Area I or II Requirements	3	-
TOTAL	15-16	15-16
SOPHOMORE YEAR		
Mechanics, Waves and Heat PH 211	4	-
Mechanics, Waves and Heat Lab PH 212	1	-
Electricity, Magnetism and Optics PH 213	-	4
Electricity, Magnetism and Optics Lab PH 214	-	1
Systems & Circuits I, II EN 221, 223	3	4
Calculus & Analytic Geometry M 206	4	-
Differential Equations Math M 331	-	3
Applied Programming PH 225	-	2
Area I or II Requirements	3	3
Area I or II Requirements	3	-
TOTAL	18	17

JUNIOR YEAR

Modern Physics PH 311, 312	3	3
Electronics Lab PH 301	4	-
Transducers PH 304	-	3
Lab Microprocessor Applications PH 307.....	-	3
Thermal Physics PH 432	3	-
Optics PH 332-333	3	3
Optics Lab PH 334	-	1
Math course	-	4
Area I or II Requirements	3	3
TOTAL	16	16

SENIOR YEAR

Electricity & Magnetism PH 381, 382	3	3
Mechanics PH 341	4	-
Senior Lab PH 481	3	-
Advanced Topics PH 422	-	3
Electives	3	4
Area I or II Requirements	3	3
Physics Seminar PH 499	-	1
Math course	-	4
TOTAL	16	18

Course Offerings

See page 20 for definition of course numbering system

PS PHYSICAL SCIENCE**Lower Division**

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

Graduate

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

PH PHYSICS**Lower Division**

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

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

PH 105 INTRODUCTION TO DESCRIPTIVE ASTRONOMY (3-2-4)(F/S)(AREA III). A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for non-Science majors.

PH 106 RADIOLOGICAL PHYSICS (2-2-3)(F). Fundamental concepts of radiation physics involving structure of the atom, radioactivity, electricity, magnetism, and electromagnetic radiation. Includes the physical principles of magnetic resonance and diagnostic ultrasound.

PH 109 (CS 109) INTRODUCTION TO COMPUTERS (3-2-4). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-Science majors.

PH 207 INTRODUCTION TO BIOPHYSICS (3-3-4)(S). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic 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 taking 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). Coulombs 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)(F). 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 TRANSDUCERS (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 307 LABORATORY MICROPROCESSOR APPLICATIONS (2-3-3)(F/S). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. PREREQ: PH 213 or EN 223 or PERM/INST.

PH 311, 312 MODERN PHYSICS (3-0-3)(F-S). A brief introduction to the special relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic, molecular, nuclear, solid state physics and statistical mechanics. PREREQ: PH 213, M 331.

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 333 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/S). 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, potentials, Gauss' law, solutions of Laplace's equation, electrostatics 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 PERM/INST 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 library 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

Telephone (208) 385-3957

Chairperson and Associate Professor: Stephen R. Buss; *Professors:* Lauterbach, Shankweiler; *Associate Professor:* Ericson; *Assistant Professor:* Atlakson; *Special Lecturer:* Ceballos

Degrees Offered

- BA in Theatre Arts
- BA in Theatre Arts, Secondary Education

College of Arts and Sciences

Degree Requirements

THEATRE ARTS
Bachelor of Arts Degree

General University Requirements except

- Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
- Fitness Activity Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.).....2
- Area I Credits12
Intro to Theatre TA 1073
Intro to Art or Music AR 103, MU 1333
Dramatic Literature.....3
Elective Literature Course.....3
- Area II Credits12
History of Western Civilization6
- The Department recommends that Theatre Arts Majors take one year of Foreign Language and Reading and Study Skills TE 108.

Major Subject Requirements

THEATRE

Theatre Symposium TA 010.....	0
Introduction to Theatre TA 107.....	3
Technical Theatre TA 117, 118.....	8
Acting (Lower Division) TA 215.....	3
Stage Voice TA 233.....	2
World Drama TA 341, 342.....	6
Directing TA 401.....	3
Theatre History TA 421, 422.....	6
Contemporary Theatre TA 445.....	3
Major Production Participation (2 hr LD, 2 hr UD) TA 231, 331.....	4
	38

(Upper Division Courses—21)

SECONDARY EDUCATION

Department requirements for the Secondary Education Option are the same as regular Theatre major plus:

- Directing TA 402
- Shakespeare E 345 or 346 (subst. for Contemporary Theatre TA 445)
- Intro Secondary Teach: Clsrm Obs TE 172
- Education Technology TE 356
- Reading in Content Subjects TE 407
- Educating the Exceptional Secondary Student TE 333
- The student must also satisfy the requirements for teacher certification

Recommended Program

THEATRE ARTS MAJOR

(Departmental Requirements indicated by asterisk)

THEATRE EMPHASIS

	1st SEM	2nd SEM
FRESHMAN YEAR		
*Theatre Symposium TA 010.....	0	0
English Composition E 101, 102.....	3	3
*Fitness Activity.....	1	1
Laboratory Science.....	4	4
*Introduction to Theatre TA 107.....	3	-
*Technical Theatre TA 117, 118.....	4	4
Intro Art or Music AR 103, MU 133.....	-	3
Reading and Study Skills TE 108.....	-	2
	15	17
SOPHOMORE YEAR		
*Theatre Symposium TA 010.....	0	0
Literature Elective.....	3	-
*Stage Voice TA 233.....	-	2
*History of Western Civilization HY 101, 102.....	3	3
*Acting.....	3	-
Social Science Elective.....	3	-
Laboratory Science.....	-	4
Electives.....	4	6
	16	15

JUNIOR YEAR

*Theatre Symposium TA 010.....	0	0
Foreign Language.....	4	4
*Dramatic Literature.....	3	-
*World Drama TA 341, 342.....	3	3
Upper Division Electives.....	6	8
	16	15

SENIOR YEAR

*Theatre Symposium TA 010.....	0	0
*Directing.....	3	0
*Theatre History TA 421, 422.....	3	3
Upper Division Electives.....	6	12
*Contemporary Theatre TA 445.....	-	3
Elective LD or UD.....	4	-
	16	18

*Departmental requirements.

SECONDARY EDUCATION EMPHASIS

	1st SEM	2nd SEM
FRESHMAN YEAR		
*Theatre Symposium TA 010.....	0	0
English Composition E 101, 102.....	3	3
*Fitness Activity.....	1	1
Laboratory Science.....	4	-
*Introduction to Theatre TA 107.....	3	-
*Technical Theatre TA 117, 118.....	4	4
Electives.....	-	7
	15	15
SOPHOMORE YEAR		
*Theatre Symposium TA 010.....	0	0
Literature Elective.....	3	-
*Stage Voice TA 233.....	-	2
*History of Western Civilization HY 101, 102.....	3	3
Laboratory Science.....	-	4
Social Science Elective.....	3	-
*Acting.....	3	-
Intro to Secondary Education TE 172.....	-	1
Electives.....	4	6
	16	16
JUNIOR YEAR		
*Theatre Symposium TA 010.....	0	0
Foreign Language.....	4	4
*Dramatic Literature.....	3	-
*Shakespeare.....	-	3
Speech for Teachers CM 311.....	-	3
Educational Psychology P 220.....	3	-
Foundations of Education TE 201.....	-	3
Read in Content Subjects TE 407.....	3	-
Educ Except Secondary Student TE 333.....	1	-
*World Drama TA 341, 342.....	3	3
	17	16
SENIOR YEAR		
*Theatre Symposium TA 010.....	0	0
*Directing TA 401, 402.....	3	3
*Theatre History TA 421, 422.....	3	3
Secondary School Methods TE 381.....	3	-
Secondary Student Teaching.....	10	-
Educational Technology TE 356.....	-	2
Electives.....	-	7
	19	15

* Departmental Requirements.

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.

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

ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in this Catalog under the English Department heading.

Liberal Arts Option:

Lower Division Literature	9*
One of the following	3
Expository Composition E 201	
Creative Writing, Poetry E 205	
Creative Writing, Fiction E 206	
Upper Division Electives other than English	
Department Drama Courses	6
	18

*This requirement cannot be fulfilled by E 297, Special Topics Courses.

Courses Applying to Both Disciplines

Shakespeare: Tragedies & Histories E 345	3
Shakespeare: Comedies & Romances E 346	3
	6
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 107 INTRODUCTION TO THEATRE (3-0-3)(AREA I). A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature and production techniques.

TA 117, 118 TECHNICAL THEATRE (3-4-4)(F/S). Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions, development of drafting skills, problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.

TA 162 STAGE MAKEUP (3-0-3)(F). Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of make-up and other technical aspects that influence this particular art. Practical application emphasized.

TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3). For the theatre student and the experienced dancer. The first half of the semester covers improvisation, simple choreography and ballet barre work. The second half covers jazz warm-ups and choreography, culminating in a formal performance. The second half requires much out-of-class work. The class may be repeated once for credit. Maximum credits: 6.

TA 215, 216 ACTING (1-2-3). Entails study of and practice in the basic principles, terminology, and disciplines of the acting art. Fundamentals of speech and movement for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated. 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.

(2-0-2)

TA 233 STAGE VOICE (3-0-3)(F/S). Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes.

TA 234 STAGE VOICE (2-0-2)(F/S). 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 287 CHILDREN'S THEATRE (3-0-3)(F). An examination of the literature, theory and history of theatre for children. Includes practical participation in an on-campus production of a play for children.

TA 288 TOURING CHILDREN'S THEATRE (3-0-3)(S). A concentrated study of the history and techniques of producing theatre for children. Specific emphasis on a single script selected for production and off-campus touring to local elementary schools.

Upper Division

TA 311 ADVANCED ACTING (3-0-3)(F/S). Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the modern realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. PREREQ: TA 215, 216 or PERM/INST. Alternate years.

TA 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 341 WORLD DRAMA 500 BC-1642 (3-0-3)(F). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 342 WORLD DRAMA 1642-1960 (3-0-3)(S). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 351 ELEMENTS OF SCENIC DESIGN (3-0-3)(F). Major skills of beginning design. Included will be art techniques for the theatre, research in major periods of scenic design, examination of major designers' works, and practical experience in designing for all major types of stages. PREREQ: TA 117, 118.

TA 352 COSTUME DESIGN (3-0-3)(S). Major skills of beginning costume design, included will be art techniques for the theatre, research in major periods of costume design, examination of major costume designers, works and practical experience in designing for all manner of productions. PREREQ: TA 117, 118. Alternate years.

TA 362 STAGE LIGHTING DESIGN (3-0-3). A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. PREREQ: TA 117, 118. Alternate years.

TA 401, 402 DIRECTING (3-0-3). Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems of directing are presented. PREREQ: Upper Division standing.

TA 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 445 CONTEMPORARY THEATRE (3-0-3)(S). A study of world theatre and drama since 1960 with an emphasis on current research materials and techniques. Alternate years.

TA 491 SENIOR PROJECTS (3-0-3)(S). A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formal written, fully documented thesis describing his production and the concept involved. PREREQ: PERM/CHAIR.



Part 7



School of Social Sciences and Public Affairs

Dean: Robert C. Sims, Ph.D.
Telephone (208) 385-3776

School of Social Sciences and Public Affairs Emeriti:
Sylvester, Warwick

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

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

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

The school's location in the state's population, business, and governmental center provides outstanding opportunities for students, including internships and other educational experiences unique in Idaho.

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 compliment any university major. The program is interdisciplinary in its approach and at the same time permits students to pursue their interest areas in Canadian Studies. Students in business, health, education and the liberal arts are encouraged to pursue the program. Upon successful completion of the 18 credit hours, the student will receive a certificate of completion, which will be noted on the transcript. (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

Degree Requirements

ANTHROPOLOGY Bachelor of Arts Degree

1. Liberal Arts Option

- a. General University and Basic Core Requirements
- b. ANTHROPOLOGY Total Requirements 43
1. LOWER DIVISION COURSES 9
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Intro to Archaeology AN 103 3
 2. UPPER DIVISION COURSES 6
 - History of Anthropology AN 401 3
 - Elem Social Statistics SO 310 or equiv 4
 3. OTHER UPPER DIVISION COURSES 27
 - Select 9 credits from each of the following groups of courses:
 - Group I Courses 9
 - Human Variation AN 325 3
 - Anthropology of Education AN 409 3
 - Applied Anthropology AN 430 3
 - Socio-Cultural Electives 3
 - Group II Courses 9
 - Peoples of the Pacific Islands AN 305 3
 - Indians of North America AN 307 3
 - Indians of South America AN 308 3
 - Peoples & Cultures of the World AN 311 3
 - Indian Peoples of Idaho AN 315 3
 - Ethnography Electives 3
 - Group III Courses 9
 - African Prehistory AN 300 3
 - European Prehistory AN 302 3
 - Archaeology of North America AN 312 3
 - Archaeology of South America AN 318 3
 - Archaeology of Mesoamerica AN 319 3
 - Seminar in Archaeology AN 421 3
- c. Recommended Electives:
One year of a foreign language; a computer application course; and LI 305 Introduction to Linguistics.

2. Social Science, Secondary Education Option

- The Social Science, Secondary Education Option degree programs are cooperative, interdisciplinary programs involving the Departments of Economics; History; Political Science; and Sociology, Anthropology, and Criminal Justice. Each of these departments provides a major emphasis with the Social Science Secondary Option. The following requirements apply for students choosing this option.
- a. Must complete a minimum of 30 credits in the subject matter of one of the above departments.
 - b. Must complete a minimum of 15 credits in each of two of the social sciences.
 - c. Must complete six additional credits in U.S. History for certification requirements.
 - d. Must complete 3 credits American National Government for certification requirements.

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

- a. Anthropology Courses Total Credits 30
Required courses are the same as for the major less 3 credit hours in each of Groups I, II, and III, and SO 310 is not required.
- b. Secondary Education Requirements Total Credits 29-35
Refer to Teacher Education Department
- c. State Department of Education Certification Requirements
Social Studies 9
U.S. History 6
Federal Government 3

In addition to "C" above, the student must take at least 15 credits of which 9 must be Upper Division credits offered by any 2 of the following academic disciplines:

- | | |
|------------|-------------------|
| Economics | Geography |
| History | Political Science |
| Psychology | Sociology |

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.

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 Policy Process PO 320	3
Intro 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

Department of Anthropology

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

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 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.

School of Social Sciences and Public Affairs

3. Anthropology Minor Option

a. Liberal Arts Minor

Completion of the following courses	21
Physical Anthropology AN 101	3
Cultural Anthropology AN 102	3
Intro to Archaeology AN 103	3
Peoples & Cultures of the World AN 311	3
Upper Division Anthropology Electives	9

b. Anthropology Education Minor Option

Total credits	15
Required Courses:	
Physical Anthropology AN 101	3
Cultural Anthropology AN 102	3
Upper Division Anthropology Electives	9

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). The meaning of culture; its significance for human beings, similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs.

AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)(F/S)(AREA II). An introduction to the historic background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities and histories.

Upper Division

AN 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 and 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 and peoples 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). Survey of peoples and cultures of Oceania—including Polynesia, Melanesia, Micronesia, New Guinea and Australia. From Pre-European contact to the present. Theories of settlement; cultural diversity; effects of European colonization and WWII; contemporary island cultures. PREREQ: Upper division status or PERM/INST. Alternate years.

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

AN 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). A general worldwide survey of selected non-industrial cultures with emphasis on cultural diversity, cultural adaptation, historical development and results of contact with the Industrial World. PREREQ: AN 102, Upper division status or PERM/INST.

AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S). A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional societal complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the Intermountain West. PREREQ: Upper division status or PERM/INST.

AN 313 ARCHAEOLOGY OF SOUTH AMERICA (3-0-3)(F/S). A comprehensive survey of the cultural history of South America from the earliest Paleo-Indians 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 precolumbian cultures of Central America with an emphasis on Mexico. Special focus on the transition from Pre-Classical to Classic civilization 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 ANTHROPOLOGY OF EDUCATION (3-0-3)(F/S). An examination of the cultural aspects of educational processes and institutions. The application of anthropological method and theory to the problems of formal and informal education in traditional and modern cultures. PREREQ: AN 102, upper division status or PERM/INST.

AN 421 SEMINAR IN ARCHAEOLOGY (3-0-3)(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 societies and institutions. PREREQ: AN 102, upper division status or PERM/INST.

AN 490 ARCHAEOLOGY FIELD SCHOOL (1-20-6)(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, Parker; *Associate Professors:* Craner, McCorkle, Mills, Pitman, Rayborn; *Assistant Professors:* Morris, Rudd, Wollheim.

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, Communication 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 enlivened through communication laboratory, the campus newspaper, the campus radio station, forensic activities, and on-the-job opportunities afforded through internships and practica.

Degree Requirements

COMMUNICATION MAJOR Bachelor of Arts Program

1. Completion of general University requirements for Bachelor of Arts degree as listed in 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/or practica. Six internship credits may count toward departmental major requirements, and four practicum credits may count toward departmental major requirements. Additional internship and practicum credits may count toward general education electives.

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
 - Mass Media and Society CM 171 3
 - Mass Communication & Social Change CM 261 3
 - Mass Media and Cultural Form CM 262 3
 - Mass Comm Concepts and Perspectives CM 465 3
 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 365 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 Law 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
 - Required Emphasis Area Courses:
 - Reasoned Discourse CM 112 3
 - Internship in Directing Forensics CM 493 1
 - Interpersonal Communication CM 221 3
 - Methods of Teaching Communication CM 401 3
 - Communication Activities CM 114/314 1-4
 - b. Six credits chosen from the following presentation courses:
 - Public Speaking CM 231 3
 - Oral Interpretation CM 241 3
 - Fundamentals of Speech Communication CM 111 3
 - OR Speech Communication for Teachers CM 311 3
 - Communication Practicum CM 451 1-4
 - Communication in the Small Group CM 251 3
- TOTAL 17-20

- d. Nine credits chosen from any of the following:
 - Fundamentals of Speech Communication CM 111 3
 - Voice and Diction CM 121 3
 - Listening CM 131 3
 - Mass Media and Society CM 171 3
 - Public Speaking CM 231 3
 - Oral Interpretation CM 241 3
 - Communication in the Small Group CM 251 3
 - Reporting and News Writing CM 273 3
 - Interviewing CM 307 3
 - Speech Communication for Teachers CM 311 3
 - Rhetorical Theories CM 321 3
 - Message Analysis and Criticism CM 331 3
 - Nonverbal Communication CM 341 3
 - Intercultural Communication CM 351 3
 - Communication Graphics CM 379 3
 - Persuasion CM 412 3
 - Small Group Process CM 431 3
 - Communication Practicum CM 451 1-4
 - Media Ethics CM 460 3
 - Mass Communication Law CM 462 3
- TOTAL 45-48

4. Suggested Extra-Departmental Elective Courses, as follows:

- Introduction to Theatre TA 107 3
- Major Production Participation TA 231, 331 1-4
- 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
 - English Composition E 101, 102 6
 - Area I 12
 - Literature 3
 - Humanities 3
 - Philosophy 3
 - Area I — Any Field 3
 - Area II 12
 - History 3
 - Prin of Econ-Macro EC 201 3
 - P 101 or SO 101 3
 - Area II — Any Field 3
 - Area III 12
 - Math for Business Decisions M 105, 106 8
 - Area III — Any Field 4
 - Additional 9 credits chosen from: 9
 - AN 102, P 305, P 441, SO 210, SO 310, TE 208, TE 356
2. Departmental Requirements 45
 - Departmental Core Requirements 19
 - Intro Comm Trng & Develop CM 255 3
 - Developing Communication Training CM 355 3
 - Methods of Teaching Communication CM 401 3
 - 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, e.g., Art, Biology, Business, Economics, Multi-Ethnic Studies, Political Science. (See page 27 for list of approved minors.)

COMBINED MAJOR Communication—English

Journalism Emphasis

- Department Requirements:
- COMMUNICATION 26
- Introduction to Communication Studies CM 115 1
 - Perspectives of Inquiry CM 201 3

School of Social Sciences and Public Affairs

Communication Laboratory CM 216, 316.....	3
Interpersonal Communication CM 221	3
Rhetorical Theories CM 321	3
Perspectives on Communication CM 421	3
Upper Division Communication Electives	10
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
Upper Division Lit. Elec. (3 hrs in courses before 1800) ...	12
SENIOR SEMINAR — (Either CM 498-3 hours or E 498-2 hours)	
TOTAL HOURS: 56 (26 and 27 and 3) OR 55 (26 and 27 and 2)	

Communication Emphasis

Department Requirements:

COMMUNICATION	26
Introduction to Communication Studies CM 115	1
Perspectives of Inquiry CM 201	3
Interpersonal Communication CM 221	3
Rhetorical Theories CM 321	3
Organizational Communication CM 361	3
Perspectives on Communication CM 421	3
Upper Division Electives	10
ENGLISH	27
British or American Literature survey	6
Humanities HU 207, 208	3
Advanced Writing and Linguistics	9
To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or Technical Writing.	
Upper Division Electives	9
SENIOR SEMINAR: (Either CM 498-3 hours or E 498-2 hours)	
TOTAL HOURS: 56 (26 and 27 and 3) OR 55 (26 and 27 and 2)	

In Reference to electives:

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

Course Offerings

See page 20 for definition of course numbering system

CM COMMUNICATION

Lower Division

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

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

CM 114 COMMUNICATION ACTIVITIES (1-0-1)(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 degree programs, and career opportunities. (PASS/FAIL)

CM 116 COMMUNICATION LABORATORY (1-1-2)(F/S). An experimental probe into human communication through participation in practical applications of concepts, communication requirements, and technologies.

CM 121 VOICE AND DICTION (3-0-3)(F/S). Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech. An investigation of the student's individual speech problems.

CM 122 INTRODUCTION TO MANUAL ENGLISH (3-0-3)(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: E 102, 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 and 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 experimental learning, on awareness of self, communicative relationships and context.

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

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 form and cultural values of mass media programs, the relationship between audiences and media products, and approaches to critical analysis of media products. PREREQ: CM 171.

CM 263 AUDIO PRODUCTION (3-0-3)(F/S). An introduction to the theory and practice of audio production. Emphasis on using audio production as an effective means of communication.

CM 264 BROADCAST WRITING (3-0-3)(F). Theory and practice in writing techniques for radio and television. PREREQ: E 102.

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 275 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.

CM 277 PHOTO COMMUNICATION (2-2-3)(F). Photography as a means of communication. Includes the planning and production of photography for publication and broadcasts. PREREQ: AR 251 or PERM/INST.

Upper Division

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

CM 302 RESEARCH METHODS (3-0-3)(F/S). Historical, critical, descriptive, and experimental research methods and tools in communication. Students design, conduct, report, and evaluate research projects. PREREQ: CM 201 or PERM/INST.

CM 307 INTERVIEWING (3-0-3)(F/S). Communication behavior in two-person situations. Practical experience in various types of interviews as confronted in business, in education, and in the professions.

CM 311 SPEECH-COMMUNICATION FOR TEACHERS (3-0-3)(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 speaking or community speaking activities. PREREQ: PERM/INST. CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.

CM 316 COMMUNICATION LABORATORY (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 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 MANUAL ENGLISH (3-0-3)(S). A continuation in building skills, vocabulary, and expressive signing techniques. A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover educational and social situations. PREREQ: CM 122.

CM 331 MESSAGE ANALYSIS AND CRITICISM (3-0-3)(F/S). An evaluation of methods of analyzing and criticizing messages and their application to making critical appraisals of public communication.

CM 332 CONTEMPORARY PUBLIC COMMUNICATION (3-0-3)(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 355 DEVELOPING COMMUNICATION TRAINING (3-0-3)(F/S). Analysis of processes of communication training. Developing skills in designing, preparing, presenting and evaluating training activities. PREREQ: CM 255 and CM 302.

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 367 ADVANCED MEDIA PRODUCTION (3-0-3)(F/S). Advanced work in theory and practice of electronic media production. Development and production of full-length video and audio programs. PREREQ: CM 267.

CM 367 ADVANCED MEDIA PRODUCTION (3-0-3)(F/S). Advanced work in theory and practice of electronic media production. Development and production of full-length video and audio programs. PREREQ: CM 267.

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 the communication effects of typefaces, paper, design, 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 may not receive credit for both SO 390 and CM 390. PREREQ: SO 290 or CM 111, Upper Division Standing.

CM 401 METHODS OF TEACHING COMMUNICATION (3-0-3)(S). Analysis and planning of curriculum for speech communication. A study of instructional materials, classroom techniques and methods, development of behavioral objectives, and management of curricular programs.

CM 412 PERSUASION (3-0-3)(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 (2-0-2)(F/S). 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/S). 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 462 MASS COMMUNICATION LAW (3-0-3)(S). Theory and practice of press law and media regulation, and discussion of contemporary legal issues.

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 465 MASS COMMUNICATION CONCEPTS AND PERSPECTIVES (3-0-3)(S). Critical evaluation of contemporary theoretical trends in the study of mass communication and mass media. PREREQ: CM 201.

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.

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

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

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

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

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

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

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

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

Department of Criminal Justice Administration

Library Building, Room 218 Telephone (208) 385-3406
 Chairperson and Associate Professor: Robert Marsh; Associate Professors: Foraker-Thompson, Hopfenbeck, Walsh

Degrees Offered

- AS, BA, and BS in Criminal Justice Administration

Department Statement

The department 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 offers a bachelors and an Associate degree in Criminal Justice Administration, participates in the Canadian Studies program and contributes to the Master of Public Affairs degree program.

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 Planning-Administration.

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

CORE COURSES:	Credits
English Composition E 101, 102	6
Literature (Area I)	3
Humanities (Area I)	9
Science or Mathematics (Area III)	12
History (Area II)	3
Introduction to Financial Accounting AC 205	
or	
Intro to Information Systems IS 310	
or	
Computer Applications in Social Science SO 210	3-4
General Psychology P 101	3
State-Local Government PO 102	3
American National Government PO 101	3
Fundamentals of Speech Communication CM 111	3
Introduction to Sociology SO 101	3
Social Justice CR 101	3
Intro to Criminal Justice Admin CR 201	3
Police in the Community CR 215	3
Administration of Justice CR 301	3
Criminal Law CR 321	3
Contemporary Correctional Theory & Practice CR 362	3
Senior Seminar in Criminal Justice CR 498	3
Abnormal Psychology P 301	3
Juvenile Delinquency SO 415	3
Criminology SO 417	3
Independent Study in Criminal Justice CR 496	3

SPECIALTY AREA COURSES:

1. LAW ENFORCEMENT	
Law of Criminal Evidence CR 275	3
Law of Arrest, Search & Seizure CR 276	3
Police Organization & Management CR 351	3
Criminal Justice Planning CR 425	3
Comparative Law Enforcement Admin CR 451	3
or	
Comparative Canadian Justice CR 452	3
Field Practicum: Enforcement CR 490	6
Electives to total 128	22-23

2. COURTS/LAW	
Law of Criminal Evidence CR 275	3
Law of Arrest, Search & Seizure CR 276	3
Judicial Admin & Court Management CR 381	3
Criminal Justice Planning CR 425	3
Comparative Law Enforcement Admin CR 451	3
or	
Comparative Canadian Justice CR 452	3
Constitutional Law PO 351	3
Field Practicum: Courts/Law CR 490	6
Electives to total 128	19-20
3. CORRECTIONS/COUNSELING	
Corrections in the Community CR 331	3
Interviewing & Counseling in Crim Justice CR 340	4
Advanced Interview & Counsel in Crim Just CR 341	4
Criminal Justice Research & Evaluation CR 426	3
Field Practicum: Correct/Counsel CR 490	6
Upper Division Criminal Justice Elective	3
Electives to total 128	20-21
4. PLANNING/ADMINISTRATION	
Judicial Admin & Court Management CR 381	3
Criminal Justice Planning CR 425	3
Criminal Justice Research & Eval CR 426	3
Comparative Law Enforcement Admin CR 451	3
or	
Comparative Canadian Justice CR 452	3
Upper Division Criminal Justice Electives	6
Field Practicum-Planning & Admin CR 490	6
Electives to total 128	16-17

CRIMINAL JUSTICE ASSOCIATE OF SCIENCE PROGRAM (TWO YEAR)

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Science or Mathematics	4	4
Social Justice CR 101	-	3
American National Government PO 101	3	-
Introduction to Sociology SO 101	3	-
Fundamentals of Speech Comm CM 111	-	3
State-Local Government PO 102	-	3
Intro to Criminal Justice Admin CR 201	3	-
	16	16
SOPHOMORE YEAR		
Intro to Information Systems IS 310		
OR		
Intro to Financial Accounting AC 205		
OR		
Computer Applications in Social Science SO 210	3-4	-
Police in the Community CR 215	3	-
Law of Criminal Evidence CR 275	3	-
Humanities	3	3
History	3	-
General Psychology P 101	-	3
Law of Arrest, Search & Seizure CR 276	-	3
Electives	1	7
	16-17	16

Course Offerings

See page 20 for definition of course numbering system

CR CRIMINAL JUSTICE ADMINISTRATION Lower Division

CR 101 SOCIAL JUSTICE (3-0-3)(S). Study of basic issues of law as a means of social control including broader issues of social justice such as poverty, racism, sexism, alienation. Provides foundation for examining relevant critical issues in American society.

CR 201 INTRODUCTION TO CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(F). Philosophy, history, objectives and functions of the criminal justice system as a social institution. The relationship of this system to society; general overview of the administration of justice.

CR 215 POLICE IN THE COMMUNITY (3-0-3)(F). A study of police behavior in urban and rural areas with an emphasis on the police response to community change, attitudes, special interest groups, and minority relations. PREREQ: CR 201.

CR 275 LAW OF CRIMINAL EVIDENCE (3-0-3)(F). Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. PREREQ: CR 201.

CR 276 LAW OF ARREST, SEARCH AND SEIZURE (3-0-3)(S). A highly concentrated study of the legalities and decision making processes associated with arrest, search and seizure in accordance with statutes, case law and Supreme Court decisions as they relate to constitutional protections. PREREQ: CR 201.

CR 280 VICTIMS OF CRIME (3-0-3)(S). 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 types 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)(F). (Cross listed SO 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, 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)(F). The administration of criminal justice from arrest to sentencing. Federal and state rules of criminal procedure and laws of evidence as they apply and affect constitutional due process. PREREQ: CR 201.

CR 321 CRIMINAL LAW (3-0-3)(S). Elements and application of federal and state criminal statutes. The effect of differential enforcement on the tolerance limits of society. PREREQ: CR 201.

CR 331 CORRECTIONS IN THE COMMUNITY (3-0-3)(S). Development, organization, operation and results of post-conviction release programs. Traditional court and 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)(F). Theory and skills involved in effective communication, interviewing and counseling for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. PREREQ: Upper division CJA standing.

CR 341 ADVANCED INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-2-4)(S). Analysis of major theoretical counseling models. Development of advanced skills in interviewing and counseling strategies focusing on the unmotivated, involuntary client. PREREQ: CR 340.

CR 351 POLICE ORGANIZATION AND MANAGEMENT (3-0-3)(F). Enforcement agency structure, management philosophies and operational functions and goals. The effect of changing societal values on agency effectiveness. Current and future problems facing local enforcement administrators. PREREQ: CR 215.

CR 362 (SO 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F) (Cross listed SO 362). The historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state and federal correctional institutions. This course may be taken as CR or SO credit but not both. PREREQ: Upper division CJA standing.

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S)(Even years). Study of practices and trends in court management and judicial administration; court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. PREREQ: CR 301, upper division CJA standing.

CR 425 CRIMINAL JUSTICE PLANNING (3-0-3)(F). Study of planning concepts and models to provide the student with skills in criminal justice planning, policy analysis and planning a program evaluation. Use of planning and analytical tools to review current issues in the system. PREREQ: Upper division CJA standing.

CR 426 CRIMINAL JUSTICE RESEARCH AND EVALUATION (3-0-3)(S). Basic aims, processes, and limitations of research in criminal justice. Introduction of social research methods and statistical techniques for evaluating action programs in the criminal justice field. PREREQ: CR 425, upper division CJA standing, or PERM/INST.

CR 451 COMPARATIVE LAW ENFORCEMENT ADMINISTRATION (3-0-3)(S). An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. PREREQ: CR 301.

CR 452 COMPARATIVE CANADIAN JUSTICE (1-6-3)(S). An analysis and comparison of U.S.-Canadian criminal justice systems at all levels and of the U.S. Constitution versus the Canadian Charter of Rights and Freedom. Requires classroom attendance 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 302 and CR 362, or PERM/INST. Even numbered years only.

CR 489 SENIOR TUTORIAL (3-0-3)(F/S). Directed research in relevant contemporary issues on Criminal Justice and Criminology. Research proposal will be submitted to, and approved by, Criminal Justice faculty prior to the initiation of the project. The culmination of the course will be the submission and presentation of an appropriate written project paper. PREREQ: Senior standing in Criminal Justice Administration.

CR 490 FIELD PRACTICUM (V-V-6). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all BA/BS students without one year of full time criminal justice experience. PREREQ: Upper Division CJA standing.

CR 498 SENIOR SEMINAR IN CONTEMPORARY CRIMINAL JUSTICE PROBLEMS (3-0-3)(S). Exploration of current and anticipated critical issues and problems in the criminal justice systems. PREREQ: CR 201, senior CJA standing or PERM/INST.

Department of History

Library Building, Room 247

Telephone (208) 385-1255

Chairperson and Professor: Warren L. Vinz; *Professors:* Barrett, Fletcher, Keiser, Lovin, Odahl, Ourada, Sims, Zirinsky; *Associate Professors:* Buhner, Jones, Lundy; *Assistant Professors:* Duncan, Shallat.

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.

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 Language6-8
 - *Language equivalency required by the History Department will be determined by the Department of Teacher Education. American National Government PO 101.....3
2. History Requirements:
 - History of Western Civilization HY 101, 102, or 201, 2026
 - U.S. History HY 151, 152, or 251, 252.....6
 - Intro to the Study of History HY 210.....3
 - Total Lower Division Courses15
 - History Seminar.....3
 - Seminar or Colloquium.....3
 - Upper Division History (minimum)12
 - Additional History Upper Division or non-required Lower Division Electives9
 - **Total Other History Courses27
3. Other Electives28-36

**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.

School of Social Sciences and Public Affairs

History-Secondary Education Option

1. General University Requirements:
American National Government PO 101 3
2. History Requirements:
History of Western Civilization HY 101, 102, or 201, 202 6
U.S. History HY 151, 152, or 251, 252 6
Introduction to the Study of History HY 210 3
Total Lower Division Courses 15
U.S. History Electives (Upper Division) 3
Upper Division History (minimum) 12
Seminar or Colloquium 3
Additional History 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.

History Minor Option Recommended Program

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

Course Offerings

See page 20 for definition of course numbering system

HY HISTORY

Lower Division

HY 101 HISTORY OF WESTERN CIVILIZATION (3-0-3)(AREA II). A political, economic, and cultural survey of western civilization from the earliest settled communities of the ancient Near East in the fourth millennium B.C. up through the cultural renaissance and religious reformation of western Europe in the sixteenth and seventeenth centuries of the Christian era.

HY 102 HISTORY OF WESTERN CIVILIZATION (3-0-3)(AREA II). A political, economic, and cultural survey of western civilization from the end of the religious wars of the seventeenth century up through the world-wide expansion of western culture in the twentieth century of the modern era.

HY 104 HISTORY OF SCIENCE (3-0-3)(F/S). Alternate years. A survey on the development of the western concept of science, and cultural and scientific in-

teraction at selected critical points of change in western history; the origins of science under the Greeks; medieval assumptions about the physical world; the scientific revolution of the seventeenth and eighteenth centuries; biological theories; and science in the modern world.

HY 105 EASTERN CIVILIZATIONS (3-0-3)(AREA II)(F/S). An historical survey of the Islamic civilization and the dominant civilizations of south and east Asia; with an emphasis on cultural and religious development.

HY 151, 152 UNITED STATES HISTORY (3-0-3)(AREA II). First semester; the history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.

HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(AREA II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. PREREQ: High school course in World History or related subject matter or PERM/INST.

HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(AREA II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from early modern European times up through the modern twentieth century era. Not open to students with credit in HY 102. PREREQ: High school course in World History or related subject matter or PERM/INST.

HY 205 LEWIS AND CLARK (2-0-2)(S). A survey of the "corps of discovery" from Wood River, Illinois to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years.

HY 210 INTRODUCTION TO THE STUDY OF HISTORY (3-0-3). An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the applications of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses.

HY 251 PROBLEMS IN U.S. HISTORY (3-0-3)(F)(AREA II). Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

HY 252 PROBLEMS IN U.S. HISTORY (3-0-3)(S)(AREA II). Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. PREREQ: High school history course or PERM/INST.

HY 261 HISTORY OF MINORITIES IN THE UNITED STATES (3-0-3)(F/S). Problems encountered by ethnic minorities in their quest for equal opportunity and equal rights. Alternate years.

Upper Division

HY 303 THE ENLIGHTENMENT AND THE FRENCH REVOLUTION (3-0-3)(F/S). A study of European thought in the seventeenth and eighteenth centuries, with emphasis upon monarchical absolutism, the crisis of the Old Regime, and the coming of the French Revolution. Recommended: HY 101. PREREQ: HY 102. Alternate years.

HY 307 MODERN GERMANY (3-0-3)(F/S). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 102 recommended. Alternate years.

HY 308 FRANCE SINCE THE REVOLUTION (3-0-3)(F/S). The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the fifth Republic by Charles deGualle. HY 102 recommended. Alternate years.

HY 309 THE RENAISSANCE (3-0-3)(S). A study of European society, economic development, artistic expression, humanism, and political concepts from the 12th through 16th centuries. PREREQ: HY 102 or PERM/INST. Alternate years.

HY 310 THE REFORMATION (3-0-3)(F). Survey of church-state relationships including the Babylonian Captivity, the Great Schism, the impact of the national state, the theological and political philosophies of reformers from Wycliff to the Council of Trent, and the world wide impact of Protestantism, the Catholic Reformation and dissident minority sects. PREREQ: HY 102 or PERM/INST. Alternate years.

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

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

HY 315, 316 HISTORY OF 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 Minoan sea empire of the second millennium to the empire of Alexander the Great in the late fourth century B.C. Political, economic, and cultural history are emphasized with special attention given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing and Visual Arts. PREREQ: HY 101, PERM/INST. Alternate years.

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

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

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

HY 327 LIVING RELIGIONS: A Comparative Historical Study (3-0-3)(F). A comparative analysis of the major active religious traditions of the world, treating their historical development, philosophical foundations and social and political ramifications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Taoism, Shinto, Judaism, and Christianity. Recommended: HY 105. Alternate years.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

HY 367 COLONIAL LATIN AMERICA (3-0-3)(F). A study of the development of distinctive Latin American societies through the fusion of late medieval Iberian with American and African cultures in Middle and South America, with emphasis upon the creation of colonial institutions in the context of Spain's and Portugal's imperial rise and decline, and the early 19th century wars of independence. Recommended HY 102. Alternate years.

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

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

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

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

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

HY 417 UNITED STATES ECONOMIC HISTORY (3-0-3)(F/S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 201 and EC 202 or PERM/INST. May be taken for History or Economics credit, but not for both.

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

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

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

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

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

HY 481 SEMINAR IN EUROPEAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European

School of Social Sciences and Public Affairs

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

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

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

CLASSICAL LANGUAGES

GR GREEK

~~NOTE: Most Greek courses require a lab fee.~~

Lower Division

GR 101, 102 GREEK LANGUAGE & LITERATURE (3-0-3). An introductory course providing the student with a basic knowledge of forms and syntax of the language, with reading exercises and passages excerpted from ancient authors. Translation and analysis of extended pagan and Christian texts is undertaken. Etymological study illustrates the debt of modern languages to Greek. Alternate years.

LA LATIN

~~NOTE: Most Latin courses require a lab fee.~~

Lower Division

LA 211 ELEMENTARY CLASSICAL LATIN LANGUAGE & LITERATURE (3-2-4)(F). An intensive introduction to the basic vocabulary, grammar, and syntax of classical Latin with emphasis on comprehension of the nominal declension and verbal conjugation forms of the language; and a survey of Roman republican literature with illustrative reading passages excerpted from the ancient authors. Recommended: HY 320 Ancient Rome. Alternate years.

LA 212 ADVANCED CLASSICAL LATIN LANGUAGE & LITERATURE (3-2-4)(S). An intensive completion to the study of classical Latin with emphasis on comprehension of the advanced grammatical forms and syntactical patterns of the language; and a survey of Roman imperial literature with translations and analysis of extended historical and literary texts from the ancient authors. PREREQ: LA 211, or a year of high school Latin. 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, Egeria, Gregory of Tours, the Venerable Bede, Einhard, Pope Gregory VII, Fulcher of Chartres, Abelard, and Jacques De Vitry. Recommended: A year of college Latin, and HY 324 Medieval Europe. Alternate years.

LA 498 ADVANCED LATIN TUTORIAL (0-6-3). 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: *Chairman and Professor:* Lieutenant Colonel Duston Rose; *Assistant Professors:* Bankhead, Nierman, Quirin, Schiller; *Instructors:* Leach, Lyons, Napoli.

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 (attending the MS III course of instruction without prior basic course credit is possible, but the basic camp must be attended at the end of the MS III year and the advanced camp must be attended at the end of the senior 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 a Summer comprehensive program of 90 contact hours; and must have a minimum of 26 semester hours;
2. be able to complete all requirements for commissioning prior to their 30th birthday;
3. successfully complete prescribed survey and general screening tests;
4. be 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
6. **Computer Literacy.** Recommended courses include Computer Information Systems IS 310 and Computer Science CS 122.
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.

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 APPLIED LEADERSHIP (1-1-1). Prepares the student for the ROTC advanced course. ML 102 concentrates on developing oral communication skills, problem analysis, decision-making, and practical leadership exercises as outlined by Military Qualification Skills (MQS I) Leadership Assessment Program (Lap) guidelines. The student will acquire a general knowledge and appreciation of the historical development of the American Military System and its leaders. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation; and historical examples of these events. **PREREQ:** PERM/INST.

ML 201 INTRODUCTION TO LEADERSHIP (2-1-2). Prepares student for ROTC advanced course. Introduction to leadership theory and philosophy with practical exercises. Gives a brief overview of Principles of War, land navigation review for field exercises, indepth study of careers with the Army, and military briefing

procedures. Laboratory consists of progressive participation in leadership exercises, adventure training and orienteering.

ML 202 MILITARY HISTORY AND LEADERSHIP (2-1-2). Prepares the student for the ROTC advanced course. ML 202 concentrates on developing oral communication skills, problem analysis, decision-making, and practical leadership exercises as outlined by Military Qualification Skills (MQS I) guidelines. The student will acquire a general knowledge and appreciation of the historical development of the American Military System and its leaders. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation, and historical examples of these events.

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 readies 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-6)(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-6). Provides the senior student with the opportunity to apply the skills they have learned. Is completed by simultaneous membership in ROTC and Army Reserve/National Guard (P/N). Permission of department head required.

**Department of Political
Science & Philosophy**

Political Science

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

Chairperson and Professor: Dr. Gary F. Moncrief; *Professors:* Donoghue, Kinney, Overgaard, Raymond, Skillern; *Associate Professors:* Sallie, Weatherby; *Assistant Professors:* Freemuth, 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 Affairs: 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 also 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 teacher or lawyers. Others work for large corporations as public affairs officers,

School of Social Sciences and Public Affairs

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 Requirements45
2. All political science majors, regardless of chosen area of emphasis, must complete the following courses:
 - American National Government PO 1013
 - Contemporary Political Ideologies PO 1413
 - International Relations PO 2313
 - Introduction to Political Inquiry PO 2983
 - Advanced Political Science Methods PO 3983
 - SUBTOTAL 15
3. Upper-division elective requirements15
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 1023
 - American Political Parties & Interest Groups PO 301 ...3
 - Public Opinion & Voting Behavior PO 3023
 - Urban Politics PO 3083
 - American Chief Executive PO 3093
 - Legislative Behavior PO 3123
 - American Political Theory PO 3313
 - Constitutional Law PO 3513
 - American Political Economy PO 3813
 - B. **International Relations Emphasis:** Students opting for this area of emphasis must complete a minimum of 15 credits from the following upper-division courses:
 - Comparative Foreign Policy PO 3113
 - Introduction to Comparative Politics PO 3213
 - Comp Communist Party-State Systems PO 3243
 - Politics of Industrialized Nations PO 3293
 - Comp Govt/Politics of Developing Nations PO 3333
 - United States Foreign Policy PO 3353
 - International Law and Organization PO 4213
 - International Political Economy PO 4293
 - 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 3313
 - Constitutional Law PO 3513
 - International Law & Organization PO 4213
 - Western Political Theory I PO 4413
 - Western Political Theory II PO 4423
 - Comparative Legal Systems PO 4513
 - Administrative Law PO 4673
 - 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 1023
 - Intro to Public Administration PO 3033
 - American Chief Executive PO 3093
 - Public Finance PO 3103
 - Public Policy PO 3203
 - Comparative Public Administration PO 4653
 - Administrative Law PO 4673
 - Intergovernmental Relations PO 4693
 - Organ Theory & Bureaucratic Structure PO 4873

Political Science—Social Science, Secondary Education Option

The Social Science, Secondary Education Option Degree programs are cooperative, interdisciplinary programs involving the Departments of Economics; History; Political Science; and Sociology, Anthropology, and Criminal Justice Administration. 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 1013
 - State and Local Government PO 1023
 - Contemporary Political Ideologies PO 1413
 - International Relations PO 2313
2. UPPER DIVISION
 - One course from each of the 4 areas of emphasis12
 - Upper division electives6
 - TOTAL 30

15 Credit Hour Program:

- American National Government PO 1013
- Contemporary Political Ideologies PO 1413
- International Relations PO 2313
- Two upper division political science elective courses6
- 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.

POLITICAL SCIENCE MINOR

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 lower division credits, and 12 upper division credits, from the following course offerings. Each student seeking this minor must get approval from the Department Chair in the Political Science Department.

NINE CREDITS FROM THE FOLLOWING COURSES:

- American National Government PO 1013
- State & Local Government PO 1023
- Contemporary Political Ideologies PO 1413
- International Relations PO 2313
- Intro to Political Inquiry PO 2983

TWELVE CREDITS FROM THE FOLLOWING COURSES:

- American Parties & Interest Groups PO 3013
- Public Opinion & Voting Behavior PO 3023
- Intro to Public Administration PO 3033
- Urban Politics PO 3083
- American Chief Justice PO 3093
- Public Finance PO 3103
- Comparative Foreign Policy PO 3113
- Legislative Behavior PO 3123
- American Policy Process PO 3203
- Introduction to Comparative Politics PO 3213
- Comparative Communist Party-State System PO 3243
- Politics of Industrialized Nations PO 3293
- American Political Theory PO 3313
- Comp Govt & Pol of Develop Nations PO 3333
- United States Foreign Policy PO 3353
- Constitutional Law PO 3513
- American Political Economy PO 3813
- Advanced Political Science Methods PO 3983
- International Law & Organization PO 4213
- International Political Economy PO 4293
- Western Political Theory I PO 4413
- Western Political Theory II PO 4423
- Comparative Legal Systems PO 4513
- Comparative Public Administration PO 4653
- Administrative Law PO 4673

Intergovernmental Relations PO 4693
 Organizational Theory & Bureau Structures PO 4873
 Internship PO 4933

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/S)(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/S). 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/S)(AREA II). Principal ideas characterizing liberalism, communism, fascism, and Nazism.

PO 231 INTERNATIONAL RELATIONS (3-0-3)(F/S)(AREA II). Nature of relations among nations with particular reference to contemporary international issues. Analysis of motivating factors, including nationalism, imperialism, communism. Study of national sovereignty and its relation to international cooperation. PREREQ: PO 101 or PERM/INST.

PO 298 INTRODUCTION TO POLITICAL INQUIRY (3-0-3)(F). 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)(F). Development of understanding of nature, functions, organization, and activities of political parties and interest groups within American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. PREREQ: PO 101 or 102.

PO 302 PUBLIC OPINION AND VOTING BEHAVIOR (3-0-3)(S). Development of public opinion and voting behavior. Empirical research from variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO 101 or 102.

PO 303 INTRODUCTION TO PUBLIC ADMINISTRATION (3-0-3)(F/S). Theory, administrative organization, functions and problems of governmental units. PREREQ: PO 101.

PO 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 of the Presidency. Presidential campaigns and elections. Role of the President as policy-maker and administrator. Effect of personality of a President on performance in office. PREREQ: PO 101.

PO 310 PUBLIC FINANCE (3-0-3)(S). Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy-making. (Interdepartmental course with department of economics). PREREQ: EC 201, 202.

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

PO 312 LEGISLATIVE BEHAVIOR (3-0-3)(S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system.

PO 320 AMERICAN POLICY PROCESS (3-0-3)(S). Process through which policy is determined, implemented and adjusted, with emphasis on role of administrators.

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

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

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

PO 381 AMERICAN POLITICAL ECONOMY (3-0-3)(F/S). Focuses on the interface between American politics and economics. 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. Required of all political science majors.

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

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

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3)(S). Principal legal systems of the world, with emphasis on ideational foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. PREREQ: PO 101, 141, 229. Alternate years. *229 NO LONGER EXISTS*

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

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

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

PO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3)(F/S). Socio-political analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.

PO 493 INTERNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for it should be made in early October.

Philosophy

Library, Room 206

Telephone (208) 385-3304

Director of Interdisciplinary Humanities, Coordinate of Philosophy and Professor: William Skillern; Professor: Brinton; Associate Professors: Harbison, Schoedinger.

Degrees Offered

- BA in Philosophy

Department Statement

Philosophy focuses upon the major issues of knowledge, values and the nature of reality. The student will become acquainted with the major philosophers of the past and present within the course work offered for this major. The degree program in philosophy is broadly based and offers a sound preparation for advanced studies within the discipline.

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

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

PY 441 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 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. Qualified licensed social workers are in demand in every area of professional practice.

Social Work is usually practiced in social welfare agencies and in Social Work departments at host settings. Social workers are needed to work with mentally ill, emotionally disturbed, delinquent, mentally retarded, physically ill, handicapped 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.

The 1986 study of the 117 BSU graduates since 1980 showed 85% of the respondents had been employed at one time or another in social work, and 34% have had some kind of graduate experience. Respondents working full time as social workers in public agencies earned an average of \$19,455.

Degree Requirements

SOCIAL WORK MAJOR Bachelor of Arts Degree

1. TOTAL REQUIREMENTS	
General University and Major Requirements	128
2. LOWER DIVISION COURSES	63
English Composition E 101, 102	6
Literature (Core)*	6
Humanities (Core)*	6
History (3 cr. from Core)	6
Concepts of Biology B 100	4
Lab Science and/or Math (Core)*	8
Communication	3
Economics	3
Intro to Sociology SO 101	3
Social Problems SO 102	3
General Psychology P 101	3
State and Local Government PO 102	3
Intro to Social Work SW 101	3
Elementary Social Work Processes SW 201	3
Intro to Multi-Ethnic Studies SO 230	3
3. UPPER DIVISION COURSES	45
Social Welfare Policy SW 301	3
Human Behavior in Social Environment SW 321	3
Social Work Stat & Research Methods SW 380	3
Social Work Methods-Casework SW 385	3
Social Work Methods-Community Organization SW 430	3
Social Work Methods-Groupwork SW 435	3
Psychology Electives	6
Field Work SW 480, 481	10
Social Sciences & Public Affairs Electives**	9
Senior Seminar SW 498, 499	2

4. ELECTIVES	
General Electives—Lower-Upper Division	20

*Core from: AR, HU, IH, MU, PY, TA, Foreign Language 201, 202. Humanities must represent two fields.

**Must be selected from: Social Work, Communication, Sociology, Anthropology, Criminal Justice Administration, Political Science, History. With approval of advisor.

Suggested Program

BACHELOR OF ARTS DEGREE

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Concepts of Biology B 100	4	-
Science-Mathematics (Core)	-	4
History (Core)	3	-
State and Local Government PO 102	3	-
Introduction to Sociology SO 101	-	3
Introduction to Social Work SW 101	3	-
General Psychology P 101	-	3
Communication	-	3
	16	16
SOPHOMORE YEAR		
Literature (Core)	3	3
Humanities (Core)	3	3
Science-Math (Core)	4	-
Economics	3	-
Social Problems SO 102	3	-
Elementary Social Work Processes SW 201	-	3
History	-	3
Introduction to Multi-Ethnic Studies SO 230	-	3
	16	15
JUNIOR YEAR		
Social Work Stat & Research Methods SW 380	-	3
Social Welfare Policy SW 301	3	-
Human Behavior in Social Environment SW 321	3	-
Social Work Methods-Casework SW 385	-	3
Upper Division Psychology Elective	-	3
Upper Division Soc Sci & Public Affairs Electives	3	6
Lower or Upper Division Electives	6	3
	15	18

SENIOR YEAR

Field Work SW 480, 481	5	5
Senior Seminar SW 498, 499	1	1
Social Work Methods-Groupwork SW 435	3	-
Social Work Methods-Community Organ SW 430	3	-
Lower or Upper Division Electives	3	8
Upper Division Psychology Elective	-	3
	15	17

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 service per week 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 aims 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). A study of community structure, organization and attitudes. Covers techniques for understanding communities and methods for creating change in communities. PREREQ: SW 301, SW 321.

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 (5-0-5)(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, 321, 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.

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

The department 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 Sociology, offers four (4) bachelors degree programs, a minor for teaching certification, participates in the Canadian Studies and Interdisciplinary Gerontology minors and contributes to the Master of Public Affairs 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	3
Economics EC 201, 202	3
History HY 101, 102, 105	3
Political Science PO 101, 102, 141	3
Sociology SO 101	3
Communication CM 111, 112	3
TOTAL	18

b. UPPER DIVISION CLASSES

Primary discipline	12
Secondary discipline	9
TOTAL	21

c. METHODS CLASSES

Comp Appl in Social Science SO 210	4
HY 210, PO 398, SO 311 or CM 302	3
TOTAL	7

TOTAL CREDITS FOR MAJOR 46

Select from the following for primary and secondary field of study:

- Anthropology
- Political Science
- History
- 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 102	3
Social Justice CR 101	3
Communication CM 112, 171	3
Economics EC 201, 202	3
History HY 152	3
Political Science PO 101, 102	3
Intro Social Work SW 101	3
Sociology SO 101, 102	3
Seminar: SS 298 "American Citizen"	3
TOTAL	27

b. UPPER DIVISION CLASSES

Primary discipline	12
Secondary discipline	6
Seminar SS 498 "Social Science & Public Affairs"	3
Internship	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

*BA Degree requires one year of Foreign Language.

SOCIOLOGY MAJOR

Bachelor of Arts*

Bachelor of Science Degree

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

2. Sociology Majors shall complete at least forty-three (43) credit hours in Sociology courses, including:

- a. A twenty-five (25) hour major core consisting of the following courses:

Introduction to Sociology SO 101	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
History of Sociology SO 401	3
Contemporary Sociological Theory SO 402	3
Sociology Seminar SO 498	2

- b. A nine (9) credit hour option emphasizing either 1) General Sociology or 2) a ten (10) credit option in Applied Sociology. The General option will serve those who desire a broad theoretical orientation and substantive knowledge base with less emphasis on quantitative and methodological aspects of the field. The Applied option should be useful to those who, whether working toward post graduate education or immediate employment want to emphasize the tools of research and quantitative analysis.

1. GENERAL SOCIOLOGY	9
Social Institutions SO 351	3
Social Change SO 403	3
Social Inequality SO 421	3
Social Psychology SO 431	3

OR

2. APPLIED SOCIOLOGY	9
Advanced Social Statistics SO 410	4
Advanced Research Methods SO 411	3
Sociology Internship SO 493	3

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

*BA degree requires one year of a foreign language.

SOCIOLOGY

Social Science, Secondary Education Option

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

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

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

SOCIOLOGY

Social Science Minor

Required Course SO 101	3
Sociology Electives (Six must be Upper Division)	12

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

MULTI-ETHNIC STUDIES

Bachelor of Arts Degree

The Multi-Ethnic Studies program, which is open to all students, is an interdisciplinary area of emphasis, providing a BA degree. The program will help students provide themselves with an understanding of tradition, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. Prospective majors may contact Dr. John Jensen, Department of Teacher Education; Dr. P.K. Ourada, Department of History; A.R. Corbin, Department of Sociology, Anthropology and Criminal Justice Administration; or Chair, Department of Social Work, to develop program of study.

1. General University Requirements	
Total Credits	51
2. Ethnic Studies Requirements:	
a. LOWER DIVISION CREDITS	15
Introduction to Multi-Ethnic Studies SO 230	3
Cultural Anthropology AN 102	3
Ethnic Literature Courses	6
Minorities in U.S. History HY 261	3
b. UPPER DIVISION CREDITS	3
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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Concepts of Biology B 100*	4	-
Math for Liberal Arts Students M 100*	-	4
Introduction to Sociology SO 101	3	-
Cultural Anthropology AN 102*	-	3
American National Government PO 101*	3	-
Introduction to Philosophy PY 101*	-	3
History of Western Civilization HY 101*	3	-
Area II Elective	-	3
	16	16
SOPHOMORE YEAR		
Literature Elective (Core)	3	-
Science-Mathematics Elective	-	4
General Psychology P 101*	3	-
Theories of Society SO 201	3	-
Computer Applications SO 210	-	4
Area I Electives (Core)	3	6
Science Electives for B.S. OR		
Foreign Lang Elect for B.A.	4	4
	16	18

JUNIOR YEAR

Elem Social Statistics SO 310	4	-
Social Research SO 311	-	3
Emphasis: General OR Applied	3	3
Electives: Sociology	9	9
Electives	-	3
	16	18

SENIOR YEAR

History of Sociology SO 401	3	-
Contemporary Soc Theory SO 402	-	3
Emphasis: General OR Applied	3	-
Sociology Electives	3	-
Sociology Seminar SO 498	-	2
Upper Division Electives	5	9
	14	14

SO SOCIOLOGY

Lower Division

SO 101 INTRODUCTION TO SOCIOLOGY (3-0-3)(AREA II). Groups, organizations and societies. Their impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

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

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

SO 201 THEORIES OF SOCIETY (3-0-3)(F). Introduction to the major analytical and 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, 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

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 socio-economic problems. This course will examine issues of social importance from the perspective of conflict theory, new-Marxian and Elitist theory. PREREQ: SO 101 and upper division status. Alternate years.

SO 325 SOCIOLOGY OF AGING (3-0-3)(F/S). Analysis of aging as a social process emphasizing the changing roles as a result of the process; the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. PREREQ: SO 101 and upper division status.

School of Social Sciences and Public Affairs

SO 330 SOCIOLOGY OF VIOLENCE (3-0-3)(F). The incidence of one human by another is analyzed in terms of social factors that act to produce, alter or discourage acts of violence. Violence may take any form and is examined from a sociological perspective. PREREQ: SO 101 and upper division status. Alternate years.

SO 331 DEVIANT BEHAVIOR (3-0-3)(F). Analysis of behavior patterns of society, the causes of and solutions for these patterns. The challenge for students is to decide where the problem lies—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/S). An analysis of marriage, kinship and family patterns in the United States. Theories and facts of the relationships of these patterns are examined. PREREQ: SO 101, upper division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3)(F). Comparative analysis of how societies organize behavior around those values deemed important including family, religion, economy, government, etc. PREREQ: SO 101, upper division standing.

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

SO 362 (CR 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F). (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 SOCIOLOGY OF LAW (3-0-3)(S). Law enactment, enforcement and adjudication are studied as social acts with social consequences. Theories and practices of legal action are reviewed as emerging from and impacting on the social structure. PREREQ: SO 101 and upper division status. Alternate years.

SO 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(S). This course examines sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101, SO 101 and upper division status.

SO 380 POLITICAL SOCIOLOGY (3-0-3)(F). A survey of research literature and theory in Political Sociology, including attitudes, values, power structure, parties and political participation in the U.S. This course will examine the pluralistic nature of society from the sociological perspective. PREREQ: SO 101 and upper division status. Alternate years.

SO 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 skill development through experiential learning will focus on such conflict management techniques as interpersonal management, mediation, arbitration, negotiation and reconciliation. Students may not receive credit for both SO 390 and CM 390. PREREQ: SO 290 or CM 111, 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 Sociologists and other in two basic areas: 1) the relationship between the enabling institutions of war and the nature and evolution of modern societies, and 2) emergent proscriptions, strategies and social movements which involve actions, attitudes and way of life directed towards creating a more peaceful future. PREREQ: SO 290 and upper division standing.

SO 401 HISTORY OF SOCIOLOGY (3-0-3)(F). Examination of the intellectual and social currents in Europe from about 1830 to 1900 during which time Sociology was initially recognized as a separate perspective within Social Science. Major insights of sociological writers of this period. PREREQ: SO 101, upper division standing.

SO 402 CONTEMPORARY SOCIOLOGICAL THEORY (3-0-3)(S). Study and discussion of selected 20th century theories. PREREQ: SO 101, upper division standing.

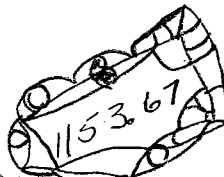
SO 403 SOCIAL CHANGE (3-0-3)(F/S). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. PREREQ: SO 101, upper division standing. Alternate years.

SO 407 SOCIOLOGY OF RELIGION (3-0-3)(F/S). Social science perspectives on religion. Religion viewed as human activity influencing and being influenced by social organization and social conditions. Alternate years.

SO 410-410G ADVANCED SOCIAL STATISTICS (3-2-4)(S). The methods of non-parametric statistics in the analysis of sociological data are examined in depth with application to research. PREREQ: SO 101, SO 310 and upper division status.

SO 411 ADVANCED RESEARCH METHODS (3-0-3)(F). The application of research methods for examination and explanation of social data, causal inference and theory construction. The student will gain experience in designing and completing a research project. PREREQ: SO 101, SO 311, SO 410, and upper division status.

Pat Norman called.
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in the new
catalog.



(S). Social causes of juvenile delinquency, theories which suggest changing society. Positive and negative activities of the law. PREREQ: SO 101, upper division

standing. Examines the social causes of criminal behavior, crime, and the criminal justice systems. The student will examine who has wronged whom—the criminal or the victim.

(S). How inequalities of wealth, income and social status affect style of behavior, personal choices, and against more equality will be examined. PREREQ: SO 101, upper division status. Alternate years.

SO 412 URBAN PLANNING (3-0-3)(F). A policy oriented approach to urban planning in a systematic and analytical fashion as they affect the urban community. The role of planning, urban development and human consequences will be examined. PREREQ: SO 101, upper division status. Alternate years.

SO 413 PERCEPTION AND ATTITUDES (3-0-3)(F/S). The influence of social and cultural factors on perception and attitudes, including the effects of social structure. This course may be taken for either Psychology or Sociology credit, but not for both. PREREQ: SO 101, P 101 and upper division standing.

SO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURE (3-0-3)(F/S). An examination of complex formal organizations, bureaucracy and human interaction, theory, research and findings are covered. May be taken for Sociology or Political Science credit (PO 487), but not for both. PREREQ: Senior standing, PERM/INST.

SO 498 SOCIOLOGY SEMINAR (2-0-2)(S). Intensive study of selected problems in Sociology. PREREQ: Senior standing in Sociology major.

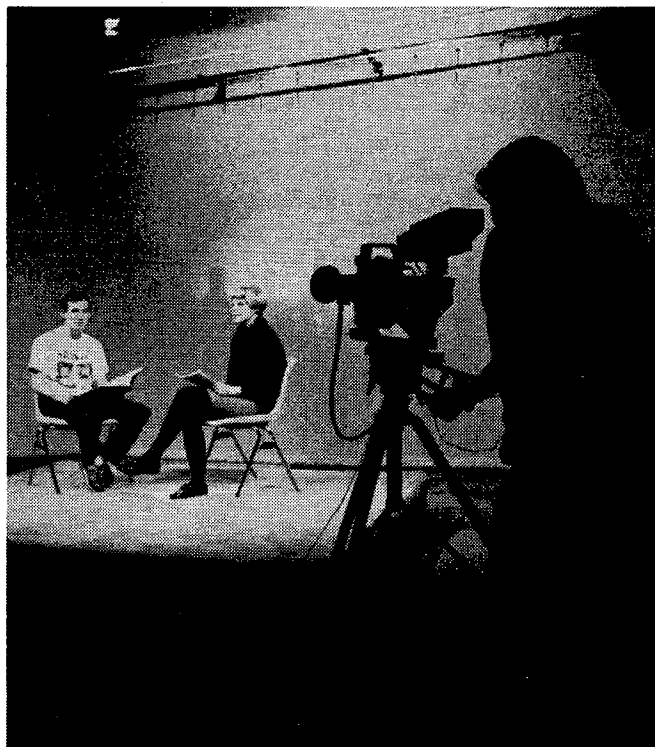
SS SOCIAL SCIENCE

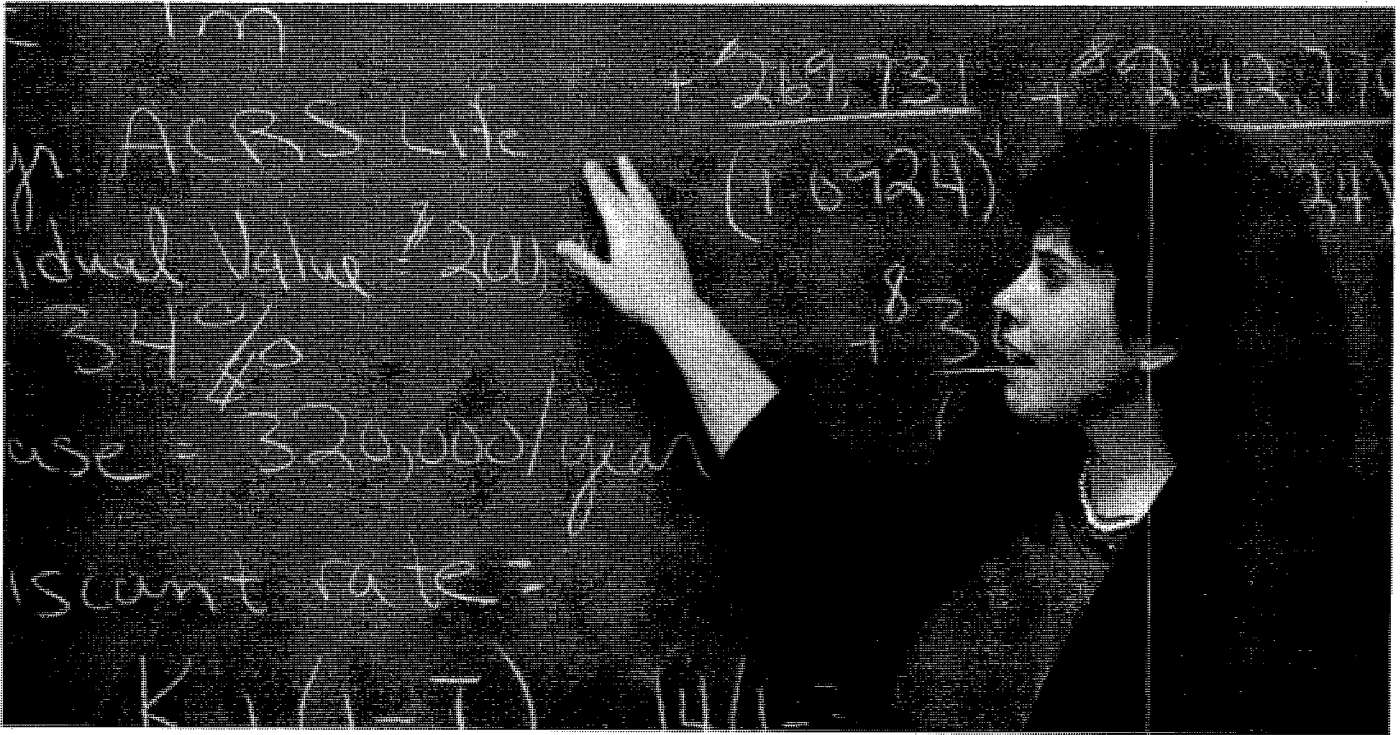
Lower Division

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. Slone, MBA

Director of College of Business Student Services Center: Janet M. Centanni, MEd.

College of Business Emeriti: Albertson, Bushby, Carson, Doss, Edlefsen, Jameson, Johnson, Knowlton, Lamborn, Roe, Scudder, Tipton, Underkofler, White, Wilson.

The College of Business at Boise State University is comprised of the five academic departments whose programs are described on the following pages and three Centers:

- *Center for Management Development: David E. Ripley, 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-

College of Business

tion. Accordingly, AACSB accreditation signifies that Boise State University's business programs have met nationally established standards of quality.

Student Advising

Students are assisted in their selection of appropriate courses and a business major through the joint efforts of the College's Student Services Center and faculty advisors. Freshman and sophomore students should contact the College of Business Student Services Center Director, Barbara (Bobbie) S. Olson in the business building, room 203 (telephone 208-385-3859).

Student Scholarships

Scholarships are available to students demonstrating ability to achieve excellence in business studies. Approximately \$100,000 will be distributed each year among College of Business majors. Students must submit the appropriate applications by March 1. Interested students should contact Student Financial Aid Services at 208-385-1664.

Student Organizations

Beta Alpha Psi, national accounting; Alpha Kappa Psi, national business fraternity; Data Processing Management Association, Association of Data Processing Professionals; Omicron Delta Epsilon, economics; Financial Management Association, finance; Human Resource Association, management; Entrepreneur Club, management; Phi Sigma Epsilon, national marketing fraternity; Delta Epsilon, national marketing fraternity; Delta Epsilon Chi, mid-management; and Ad Club, marketing; are 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 ma-

jors 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 201, 202; Accounting AC 205, 206; Legal Environment of Business GB 202; Intro to Information Systems IS 310; 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 transcript by preregistration week each semester.

Bachelor Degree Programs

NOTE: The student will find under each major the particular course of study to follow. Where the designation "Core Electives" appears, refer to the allowed listing of courses in the Degree Requirements (Core) section of this Catalog. Where the designation "Non-Business Electives" appears, lower or upper division courses are to be chosen in any discipline other than those administered in the College of Business, but must include hours from at least two of the three defined areas: Area I, II, or III. The designation "Free Electives" refers to those hours which may be earned in courses offered by the College of Business or other academic units.

Graduation Requirements: See the Baccalaureate Degrees section of the Catalog for complete listing of these requirements for the BBA, BA, and BS.

All 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	Principles of Finance FI 303
Management & Organizational Theory MG 301	Principles of Production Management PR 345
Principles of Marketing MK 301	

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	3
Intro Managerial Accounting AC 206	3
Principles of Income Taxation AC 302	3
Intern Accounting I AC 304	3
Intern Accounting II AC 306	3
Cost Accounting AC 351	3

ELECTIVE COURSES: Any one of the following:

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.

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.	
Intro Information Systems IS 310	3
The student may substitute the computer literacy course 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 Economics-Micro & Macro EC 201, 202	6
Intro Financial Accounting AC 205	3
Intro Managerial Accounting AC 206.....	3
Legal Environment of Business GB 202	3

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

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 Economics-Macro EC 201	3
Prin of Economics-Micro EC 202	3
Interm Microeconomics EC 303	3
Interm Macroeconomics EC 305	3

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 Associate Professor of Accounting: William C. Lathen;
Professor: Merz; *Associate Professors:* Medlin, Nix, Pirrong; *Assistant Professors:* Bain, D. English, T. English, Koeppen; *Special Lecturers:* Bates, DeMaree, Christensen.

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 12 full-time faculty. Eight have completed the doctorate; all are CPAs; and three are CMAs. Their research is recognized through publication in many professional 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 Accounting program provides thorough training in accounting, general business, and economics, along with a broad exposure to the arts and sciences.

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

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

Degree Requirements

In addition to general university requirements, the following courses are required for an Accounting major:

1. Business Courses: MK 301; GB 202, 302, 450; FI 303; EC 303; AS 328; MG 301, 401; PR 207, 345; IS 310.
2. Accounting Courses: AC 205, 206, 304, 306, 350, 351, 401, 440, plus any two of the following: 352, 402, 405, 406, 460, 470.

Recommended Program

ACCOUNTING PROGRAM

Bachelor of Business Administration Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102.....	3	3
Mathematics M 105, 106 or M 111, 204.....	4	4
Fund of Speech Communication CM 111	-	3
Core Electives (Area I-6, II-3)	6	3
Non-Business Electives	3	3
TOTAL	16	16
SOPHOMORE YEAR		
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Principles of Economics EC 201-202	3	3
Intro to Mgmt Information Systems IS 310	-	3
Statistical Techniques I PR 207	3	-
Legal Environment of Business GB 202	-	3
Core Elective (Area III).....	4	-
Non-Business Electives	3	4
TOTAL	16	16

College of Business

JUNIOR YEAR

Intermediate Accounting I, II AC 304, 306	3	3
Cost Accounting AC 351	3	-
Anal, Design & Audit of Acctg Info Systems AC 350	-	3
Intermediate Microeconomics AC 303	3	-
Business Communication AS 328	-	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	
Accounting 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; E 101, 102; EC 201, 202; PR 207; IS 310; plus M 106 or M 204.

All 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 the equivalent of 6-9 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
Intern Accounting I AC 304	3
Intern 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). Introduction to contemporary Managerial Accounting. Study of manufacturing accounting is emphasized. Introduction to the analysis of financial information with tools such as capital budgeting, inventory measurement and control, and the impact of taxes on decision making. PREREQ: AC 205.

Upper Division

AC 302 PRINCIPLES OF INCOME TAXATION (3-0-3)(F/S). Theory and application of Federal income taxes to individuals, including an introduction to F.I.C.A., unemployment taxes, and state income taxes. Degree credit not allowed for both AC 320 and AC 302. PREREQ: AC 206.

AC 304 INTERMEDIATE ACCOUNTING I (3-0-3)(F/S). The course includes problems of valuation and presentation of assets, liabilities and proprietorship items. Analytical accounting problems and preparation of work sheets, financial statements and development of special reports are discussed. Future and present value concepts, current assets and inventories are included. A basic competency in Lotus 1-2-3 is also learned. PREREQ: AC 206

AC 306 INTERMEDIATE ACCOUNTING II (3-0-3)(F/S). Continuation of AC 304. Operational, fixed and intangible assets are covered. Also covered are: accounting for stockholders' equity, accounting changes, long-term investments in equity securities and price level changes. PREREQ: AC 304.

AC 320 TAX FACTORS IN BUSINESS DECISIONS (3-0-3). Introduction to impact of federal income taxes on business operating and financing decisions. Degree credit not allowed for both AC 320 and AC 401. Offered when possible. PREREQ: AC 206.

AC 350 ANALYSIS, DESIGN, AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3)(F/S). This course provides a study of alternative accounting information systems. The primary focus of this course is on the analysis, design, and audit of computerized accounting information systems. There is a heavy emphasis on controls that can be designed into a system to prevent and detect errors. PREREQ: AC 304, PERM/INST.

AC 351 COST ACCOUNTING (3-0-3)(F/S). Theory of cost accounting and cost control; including job order, process, direct and standard costs, budgeting and break-even analyses. Emphasis on cost determination as a tool of management and production control. PREREQ: AC 206.

AC 352 MANAGERIAL ACCOUNTING (3-0-3)(F/S). Development and use of accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, computer applications, and analytical methods such as gross profit, break-even, and incremental cost analysis. PREREQ: AC 351.

AC 402 ADVANCED INCOME TAXATION (3-0-3)(F/S). Theory and application of the federal income tax to corporations organized for profits, and an introduction to partnership, trust and estate and gift taxation. PREREQ: AC 306, AC 302.

AC 405 AUDITING (3-0-3)(F/S). Study of the scope and purpose of the accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the SEC; approach to an audit report. PREREQ: AC 306.

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

AC 440-440G ACCOUNTING THEORY (3-0-3)(F/S). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. May be taken for graduate credit. PREREQ: AC 306.

AC 450 DATA PROCESSING FOR THE ACCOUNTANT (3-0-3). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer is used as the problem solving tool. Offered when possible. PREREQ: AC 405.

AC 460 NOT-FOR-PROFIT ACCOUNTING (3-0-3)(F/S). Topics taught in this course include principles of accounting and financial reporting for not-for-profit organizations; fund and fiduciary accounting; budgetary procedures; financial statement analysis. PREREQ: AC 304 or PERM/INST.

AC 470 ADVANCED ACCOUNTING (3-0-3)(F/S). Topics covered in this course include partnership organization, business combinations and consolidated financial statements, International accounting standards. PREREQ: AC 306.

AC 482 CPA PROBLEMS (6-0-6)(S). In depth consideration of the more complex accounting principles and procedures taught on the undergraduate level. Designed to assist the student in preparing for the certified public accountant examination. PREREQ: AC 405, AC 460, PERM/INST.

Department of Computer Information Systems & Production Management

Business Building, Room 308

Telephone (208) 385-1181

Chairperson and Associate Professor: Gary I. Green; *Professors:* Brender, Clark, Groebner, LaCava, Shannon; *Associate Professors:* Gallup, Maxson, Minch, Warberg, G. Wojtkowski; *Assistant Professors:* Capell, Fry, W. Wojtkowski.

Degrees Offered

- BBA, BA, and BS in Computer Information Systems
- BBA, BA, and BS in Production and Operations Management

Department Statement

There are many professional opportunities available with the interest in college graduates with background in our programs. This demand continues to grow with the interest in the utilization of information technology and production management to increase organizational productivity.

Recommended Programs

COMPUTER INFORMATION SYSTEMS MAJOR Bachelor of Business Administration Degree

The Computer Information Systems program provides thorough education in computing and general business, along with a broad background in the arts and sciences. A basic intent of the program is to prepare students for employment in business and government organizations as business applications programmers, information center analysts, and system analysts. This program provides a balance between the technological, human, and organizational aspects of business information systems.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Mathematics M 105, 106 or M 111, 204	4	4
Computer Applications IS 101	3	-
Core Electives (Area I, II, III)	6	4
Non-Business Electives	-	6
TOTALS	16	17

SOPHOMORE YEAR		
Principles of Economics EC 201, 202	3	3
Statistical Techniques I & II PR 207, 108	3	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
End-User Computing IS 217	3	-
Intro to Bus Appl Programming (COBOL) IS 221	-	3
Legal Environment of Business GB 202	-	3
Core Electives (Area I, II, III)	3	3
TOTALS	15	18

JUNIOR YEAR		
Cost Accounting AC 351	3	-
Management & Organizational Theory MG 301	3	-
Database Management Systems IS 317	3	-
Principles of Marketing MK 301	3	-
Business Communications AS 328	3	-
Systems Analysis and Design IS 320	-	3
Principles of Finance FI 303	-	3
Principles of Production Management PR 345	-	3
Business Ethics & Soc Respon GB 360	-	3
CIS Major Elective	-	3
TOTALS	15	15

SENIOR YEAR		
CIS Major Electives	3	3
Organizational Behavior MG 401	3	-
Manufacturing Systems PR 408	3	-
Information Resource Management IS 490	-	3
Business Policies GB 450	-	3
*International Business Elective	-	3
Non-Business Electives	7	3
General Electives	-	1
TOTALS	16	16

*International Business Electives include a choice of three classes: EC 315 Comparative Economics, or EC 317 International Economics, or GB 445 International Business.

PRODUCTION AND OPERATIONS MANAGEMENT Bachelor of Business Administration

Graduates will be in demand to help increase productivity in a competitive global marketplace. The Production and Operations Management major is designed to aid students in developing skills in using quantitative techniques for managing and solving production problems.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Fund of Speech Communication CM 111	3	-
Intro to Logic PY 121 (Area I)	-	3
Mathematics M 105, 106 or M 111, 204 (Area III)	4	4

Computer Applications IS 101	-	3
Elective (Area I, II, III Core)	7	3
TOTALS	17	16

SOPHOMORE YEAR		
Legal Environment of Business GB 202	-	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Principles of Economics EC 201, 202	3	3
Statistical Techniques I, II PR 207, 208	3	3
Electives (Non-Business)	6	3
TOTALS	15	15

JUNIOR YEAR		
Intro Mgmt Information Systems IS 310	3	-
Principles of Marketing MK 301	3	-
Prin of Production Management PR 345	3	-
Principles of Finance FI 303	-	3
Management & Organizational Theory MG 301	3	-
Business Ethics & Social Responsibility GB 360	-	3
Quality Control Techniques PR 380	-	3
Business Communications AS 328	3	-
Management Science Models PR 366	-	3
Cost Accounting AC 351	-	3
Electives (Non-Business)	1	-
**Free Electives	-	3
TOTALS	16	18

SENIOR YEAR		
Organizational Behavior MG 401	3	-
Manufacturing Systems PR 308	3	-
Management of Service Operations PR 409	-	3
Purchasing & Distribution PR 416	3	-
Decision Support Systems IS 455	-	3
Business Policies GB 450	-	3
Management of Technology MG 405	-	3
Electives (Non-Business)	6	-
Free Electives	-	4
TOTALS	15	16

**During the junior year, the department recommends that each Production and Operations Management major takes PR 493 Internship for a minimum of 3 credits of free electives.

Course Offerings

See page 20 for definition of course numbering system

IS COMPUTER INFORMATION SYSTEMS

Lower Division

IS 101 COMPUTER APPLICATIONS (3-0-3)(F/S). Application of computing for both microcomputers and mainframe are discussed. Particular attention is devoted to problem solving with computers through hands-on experience. Students will learn to use some of the most commonly used software for word processing, spreadsheets, database systems, communications and graphics. This course is appropriate for members of the community and for students from any discipline wishing to gain familiarity with computers.

IS 217 END USER COMPUTING (3-0-3)(F,S). Addresses very high level languages such as "fourth generation languages" for business applications. Emphasis is on rapid development, incremental design, and prototyping "live" systems. Hands-on use of very high level languages for homework and projects will be included. PREREQ: IS 101.

IS 221 INTRODUCTION TO BUSINESS APPLICATIONS PROGRAMMING (COBOL) (3-0-3)(F/S). Development of business applications in COBOL with structured programming concepts. Emphasis on structured program design, documentation, testing, and implementation issues. PREREQ: IS 101.

Upper Division

IS 310 INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS (3-0-3)(F,S). An introduction to the fundamental concepts of management information systems in business organizations. Management information is the framework tying together business decision makers in an organization. This course includes information systems concepts and planning; end-use computing; hardware, software, database systems; systems analysis, design, implementation; computer-human interface; data communications and networks; international, social, political, legal, behavioral and ethical issues of MIS. PREREQ: Upper Division Business standing. Not required for CIS majors.

IS 317 DATABASE MANAGEMENT SYSTEMS (3-0-3)(F,S). Database organization, manipulation, and administration in business environments. Topics include: data structures and related algorithms; file and database organizations/models including relational hierarchical, and network; data dictionary systems; languages for data definition, manipulation, and retrieval; and administrative considerations in multi-user, and distributed environments. PREREQ: Upper Division Business standing, IS 217 and IS 221.

College of Business

IS 320 SYSTEMS ANALYSIS AND DESIGN (3-0-3)(F/S). Utilization of methods for working with users to analyze and develop business applications. The life cycle of development, project management, process of interface with users, documentation, database interface, and productivity tools will be discussed. PREREQ: Upper Division Business standing, IS 217, and IS 221.

IS 361 BUSINESS APPLICATIONS PROGRAMMING (COBOL) (3-0-3)(S). Processing techniques and development of programs and systems for batch and interactive environments using features including sequential files, random access files, input editing, and advanced topics. PREREQ: Upper Division Business standing, and IS 221.

IS 380 TELECOMMUNICATIONS (3-0-3)(F). Discussion of telecommunications technology and managerial issues in a business environment. Topics include basic concepts of data communication, related hardware and software technology, standards and protocols, local and wide area networks, network management, common carrier services, and emerging trends. Emphasis is on basic concepts, applications, and telecommunications management rather than details of hardware and software technology. PREREQ: Upper Division Business standing.

IS 430 ADVANCED SYSTEMS DEVELOPMENT (3-0-3)(S). Use of computer-aided software development techniques including CASE, fourth generation languages, and other development tools to facilitate systems development and implementation. PREREQ: Upper Division Business standing, and IS 320.

IS 455 DECISION SUPPORT SYSTEMS (3-0-3)(F). Topics will include the decision-making process, fundamentals of decision support systems technology, and related systems. Students will be expected to develop an application that supports managerial decision maker(s). PREREQ: Upper Division Business standing and IS 320.

IS 490 INFORMATION RESOURCE MANAGEMENT (3-0-3)(S). A capstone course covering the management of the information systems function. Topics include the technical, operational, developmental and support functions, acquisitions and management of resources, organizational structure, human resource issues, end-user computing, ethical and legal considerations, and managing emerging technologies. PREREQ: Upper Division Business Standing, IS 317, and IS 320.

IS 493 INTERNSHIP (Variable Credit)(F,S). Field learning in an MIS environment under supervision of both a manager and professor. PREREQ: Upper Division Business standing, and IS 320 (or concurrent enrollment).

PR PRODUCTION AND OPERATIONS MANAGEMENT

Lower Division

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

PR 208 STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-0-3)(F/S). This course provides extensions to basic statistical inference with an emphasis on using the techniques for business decision making. Typical topics covered include analysis of variance, simple and multiple linear regression, forecasting, and nonparametric statistics. Established computer software is used, when appropriate, to assist in the learning process. PREREQ: PR 207.

Upper Division

PR 345 PRINCIPLES OF PRODUCTION MANAGEMENT (3-0-3)(F/S). Management of the production function: analysis, design, planning and control of production processes, plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. PREREQ: PR 207.

PR 366 MANAGEMENT SCIENCE MODELS (3-0-3)(F/S). Management science/operations research tools are presented with an emphasis on applications and how the tools assist a decision maker. Typical topics covered include linear programming, network planning models, basic inventory control, waiting line management, and decision making under uncertainty. PREREQ: MG 301, PR 345.

PR 380 QUALITY CONTROL TECHNIQUES (3-0-3)(S). This course focuses on quality control techniques currently used in manufacturing and service industries. The course considers efforts to improve an organization's products/service from conception through customer usage through the use of techniques such as process control charts, variable and attribute sampling, total quality control, quality circles and Pareto analysis. U.S. and foreign companies that have been successful in implementing quality control systems are also considered. PREREQ: PR 345.

PR 408 MANUFACTURING SYSTEMS (3-0-3)(F). This course extends the topics offered in the survey Principles of Production course. Course will further develop the concepts and theory behind manufacturing resource management, including the master schedule, bill of materials, and inventory records system. Other major topics include Just-in-Time manufacturing, computer-aided manufacturing, flexible manufacturing systems, and techniques used by international competitors. PREREQ: MG 301, PR 345.

PR 409 MANAGEMENT OF SERVICE OPERATIONS (3-0-3)(S). The course applies the principles of production management to service operations. The problems

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.

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.

Department of Economics

Business Building, Room 311

Telephone (208) 385-3351

Chairperson and Associate Professor: Charles L. Skoro; *Professors:* Lichtenstein, Payne, Reynolds; *Associate Professors:* Draayer, Twilight; *Assistant Professors:* Loucks, Talbot.

Degrees Offered

- BA in Economics, Quantitative Emphasis
- BA in Economics, Social Science Emphasis
- 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 size 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, 1986, 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 on 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 School 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 EMPHASIS
Bachelor of Arts Degree**

1. TOTAL Requirements	
General University and Major Requirements	128
2. LOWER DIVISION COURSES (Total)	54
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 Economics EC 201, 202 or EC 201H, 202H	6
History of Western Civilization HY 101, 102	
or	
Problems of Western Civilization HY 201, 202	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)	4
Intro Financial Accounting AC 205	3
Intro to Information Systems IS 310	3
Statistical Techniques PR 207	3
3. UPPER DIVISION COURSES (Total)	42
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	3

*Must include at least one Area I field other than literature or philosophy.
**Selected from philosophy, political science, sociology, anthropology, geography, or history.
***Among these courses must be at least 6 credits in Arts and Humanities (Area 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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102 or E 111, 112	3	3
Math M 105, 106 or M 111, 204	4-5	4-5
History HY 101, 102 or 201, 202	3	3
Philosophy PY 101	3	-
Area I Core (third field)	-	3
Electives	3	3
TOTAL	16-17	16-17
SOPHOMORE YEAR		
Prin Economics EC 201, 202 or EC 201H, 202H	3	3
Area I Core (Literature)	3	-
Statistics PR 207	3	-
Area III Core (Science)	-	4
Intro Information Systems IS 310	-	3
Intro Financial Accounting AC 205	3	-
Area II Core (except EC or HY)	-	3
Area I and II Electives	3	3
TOTAL	15	16
JUNIOR YEAR		
Intermed Microeconomics EC 303	3	-
Intermed Macroeconomics EC 305	-	3
History of Economic Thought EC 311	3	-
Economics Electives	-	6
Upper Division Social Science	3	6
Electives	6	3
TOTAL	15	18
SENIOR YEAR		
Econometrics EC 421, 422	3	3
Upper Division Social Science	3	3
Economics Electives	3	3
Electives	6-7	6-7
TOTAL	15-16	15-16

**ECONOMICS MAJOR
QUANTITATIVE EMPHASIS
Bachelor of Arts Degree**

1. TOTAL Requirements	
General University and Major Requirements	128
2. LOWER DIVISION COURSES (Total)	53 or 56
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 Economics EC 201, 202 or EC 201H, 202H	6
History of Western Civilization HY 101, 102	
or	
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	
or	
Accelerated Calculus M 211, 212	13 or 10
Natural Science (Area III Core)	4
Intro Financial Accounting AC 205	3
Intro to Information Systems IS 310	3
3. UPPER DIVISION COURSES (Total)	43 or 45
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
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

*Must include at least one Area I field other than literature or philosophy.
**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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English E 101, 102 or E 111, 112	3	3
Math M 204, 206 or M 211, 212	5-5	4-5
History HY 101, 102 OR HY 201, 202	3	3
Intro to Philosophy PY 101	3	-
Area I Core (third field)	-	3
Electives	3	3
TOTAL	17-17	16-17
SOPHOMORE YEAR		
Prin of Economics EC 201, 202 or EC 201H, 202H	3	3
Area I Core (Literature)	3	-
Area III Core (Science)	-	4
Intro Information Systems IS 310	3	-
Intro Financial Accounting AC 205	-	3
Area I Core	-	3
Area II Core (except EC or HY)	3	-
Math M 206 or Elective	4-3	-
Statistics M 361 or PR 207	-	3-4
TOTAL	16-15	16-17
JUNIOR YEAR		
Intermed Microeconomics EC 303	3	-
Intermed Macroeconomics EC 305	-	3
History of Economic Thought EC 311	3	-
Economics Electives	3	3
Linear Algebra M 301	4	-
Stat PR 208 (if M 361 not taken) or Elective	3	-
Upper Division Math or Production Management	-	3-4
Area I or II Elective	-	3
Elective	-	3
TOTAL	16	15-16
SENIOR YEAR		
Econometrics EC 421, 422	3	3
Economics Electives	3	3
Upper Division Math or Production Management	3	3-4
Area I or II Elective	3	-
Electives	6	5-6
TOTAL	18	15-16

College of Business

ECONOMICS—SOCIAL SCIENCE SECONDARY EDUCATION EMPHASIS Bachelor of Arts Degree

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

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

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

1. TOTAL Requirements	
General University and Major Requirements	128
2. LOWER DIVISION COURSES (Total)	52
English Composition E 101, 102 or E 111, 112	6
Literature (Area I Core)	3
*Other Arts and Humanities (Area I) Core Courses	9
Principles of Economics EC 201, 202 or EC 201H, 202H	6
U.S. History (Area II Core) HY 151, 152	6
American National Government PO 101	3
Mathematics for Business Decisions M 105, 106	8
Natural Science (Area III Core)	4
Intro Secondary Teach: Classroom Observation TE 172	1
Foundations of Education TE 201 (Sophomore Year)	3
Intro Financial Accounting AC 205	3
3. UPPER DIVISION COURSES (Total)	49
Intermediate Microeconomics EC 303	3
Intermediate Macroeconomics EC 305	3
Economics Electives	18
Educational Psychology P 220	3
Reading in the Content Subjects TE 407	3
Educational Technology TE 356	2
Educating Exceptional Secondary Students TE 333	1
Secondary School Methods TE 381	3
Secondary School Social Studies Methods TE 385	3
Senior High School Student Teaching TE 485	10
4. ELECTIVES Lower or Upper Division	30
First Teaching Minor	15
Second Teaching Minor	15

*Must include two Area I fields other than literature.

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.

Economics Education Minor 15 Hour Option

Prin of Economics-Macro EC 201	3
Prin of Economics-Micro EC 202	3
Intern Microeconomics EC 303	3
Intern Macroeconomics EC 305	3
Upper Division Economics	3

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).

BUSINESS ECONOMICS MAJOR Bachelor of Business Administration Degree

1. TOTAL Requirements	
General University and Major Requirements	128
2. LOWER DIVISION COURSES (Total)	54 or 55
English Composition E 101, 102 or E 111, 112	6
Other Arts and Humanities (Area I Core)	6
Principles of Economics EC 201, 202 or EC 201H, 202H	6
Non-Economics Social Science (Area II) Core	6
Math M 105, 106 or M 111, 204	8 or 9
Natural Science (Area III Core)	4
Intro Financial Accounting AC 205	6

Intro to Managerial Accounting AC 206	6
Intro to Information Science IS 310	3
Legal Environment of Business GB 202	3
Statistical Techniques PR 207, 208	6

3. UPPER DIVISION COURSES (Total)	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
Business Communications AS 328	3
Principles of Management MG 301	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

	1st SEM	2nd SEM
FRESHMAN YEAR		
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 (Area I, II, III)	3	3
TOTAL	16-17	16-17
SOPHOMORE YEAR		
Prin of Economics EC 201, 202 or EC 201H, 202H	3	3
Area III Core (Science)	-	4
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Legal Environment of Business GB 202	3	-
Statistics PR 207, 208	3	3
Intro Information Systems IS 310	3	-
*Non-Business Elective (Area I, II, III)	-	3
TOTAL	15	16
JUNIOR YEAR		
Intermediate Microeconomics EC 303	3	-
Intermediate Macroeconomics EC 305	-	3
History Economic Thought EC 311	3	-
Management and Organizational Theory MG 301	3	-
Prin Finance FI 303	-	3
Prin Marketing MK 301	3	-
Business Communication AS 328	-	3
Prin Production Management PR 345	-	3
*Non-Business Electives (Area I, II, III)	3	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
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 Economics-Micro EC 201	3
Principles of Economics-Macro EC 202	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 405	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 201 PRINCIPLES OF ECONOMICS-MACRO (3-0-3)(AREA II). Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed.

EC 202 PRINCIPLES OF ECONOMICS-MICRO (3-0-3)(AREA II). An introduction to microeconomic analysis covering supply and demand, the basic market structures, the operation of the price system, and the distribution of income. Provides an introduction to some applied areas of economics such as international, regional, the public sector, and economic development.

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3)(F/S). A one semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 201 and EC 202.) PREREQ: none.

Upper Division

EC 301 MONEY AND BANKING (3-0-3). Analysis of the role of money, credit and the financial system in the U.S. economy through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. PREREQ: EC 201, EC 202.

EC 303 INTERMEDIATE MICROECONOMICS (3-0-3). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. PREREQ: EC 202.

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

EC 310 (PO 310) PUBLIC FINANCE (3-0-3)(S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined. The effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local problems. PREREQ: EC 201, 202, or PERM/INST.

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

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

EC 317 INTERNATIONAL ECONOMICS (3-0-3)(S). The benefits and pattern of world trade and investment. Tariffs, quotas and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of payments disequilibrium for national policy. The analysis of international payments adjustment and the nature and institutions of international monetary systems. PREREQ: EC 201, 202.

EC 321 REGIONAL ECONOMICS (3-0-3)(F). Application of economic analysis to regional problems of structure, growth and policy. Location theory, various

growth models, and specific techniques such as input-output analysis, base multipliers and cost benefit analysis are developed. PREREQ: EC 201, 202.

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

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

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

EC 333 NATURAL RESOURCE ECONOMICS (3-0-3)(F). The theoretical and policy issues associate with the use of natural resources are addressed, including property rights issues which arise when considering collective goods, externalities and common property resources. Tools used in the design and evaluation of resource policy, such as benefit/cost analysis, are covered. PREREQ: EC 202.

EC 405 BUSINESS FLUCTUATIONS AND ECONOMIC STABILIZATION (3-0-3) (Alternate years). Application and extension of macroeconomic theory to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy including techniques of macroeconomic forecasting and modeling. PREREQ: EC 305.

EC 417 (HY 417) U.S. ECONOMIC HISTORY (3-0-3)(S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 201, 202 or PERM/INST. Alternate years.

EC 421-422, 421G-422G ECONOMETRICS (3-0-3). Application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. PREREQ: M 106 or equivalent and 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 Associate Professor: Dr. Nancy K. Napier; *Professors:* Bigelow, Shin, Wines, Wilterding; *Associate Professors:* Bixby, Glen, Waldorf; *Assistant Professors:* Furrn, Gough, Kaupins.

Degrees Offered

- BBA, BA, and BS in General Business Management
- BBA, BA, and BS in Management, Entrepreneurial Emphasis
- BBA, BA, and BS in Management, Human Resource Management Emphasis
- BBA, BA, and BS in Management, Transportation Emphasis

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

College of Business

program emphasizes professionalism into three management areas. These are:

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.

Transportation Management option is designed for those who wish to be involved in one of the several areas available in the transportation industry: (1) air; (2) motor freight; (3) commuter bus; and (4) the railroads.

The department also offers a minor in International Business: 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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105, 106 or M 111, 204	4	4
Electives (Area I)	3	3
Electives (Area III)	-	4
General Electives (Area I, II, III)	3	-
TOTALS	16	17
SOPHOMORE YEAR		
Principles of Economics (Area II) EC 201, 202	3	3
Intro Financial & Managerial Acctg AC 205, 206	3	3
Statistical Techniques I, II PR 207, 208	3	3
Intro to Information Systems IS 310	-	3
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	7	-
TOTALS	16	15
JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Commercial Law GB 302	3	-
Principles of Finance FI 303	3	-
Economics Elective EC 303, 305, 321, 322 or 327	3	-
Working Capital Management I FI 410	-	3
Principles of Production Management PR 345	-	3
Business Communications AS 328	-	3
Business Ethics & Social Responsibility GB 360	-	3
General Electives (Area I, II, III)	-	4
General Electives	3	-
TOTALS	18	16
SENIOR YEAR		
Personnel Administration MG 305	3	-
Government and Business GB 441	-	3
Organizational Behavior MG 401	3	-
Management of Technology MG 405	-	3
Employee and Labor Relations MG 340	-	3
Intermediate Marketing Management MK 320	3	-
Business Policies GB 450	-	3
General Electives (Area I, II, III)	6	-

General Electives	-	3
TOTALS	15	15

MANAGEMENT MAJOR ENTREPRENEURIAL EMPHASIS Bachelor of Business Administration

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Fund of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105, 106 or M 111, 204	4	4
Electives (Area I)	3	3
Lab Science Elective (Area III)	-	4
General Electives (Area I, II, III)	3	-
TOTALS	16	17
SOPHOMORE YEAR		
Principles of Economics (Area II) EC 201, 202	3	3
Intro Financial & Managerial Acctg AC 205, 206	3	3
Statistical Techniques I, II PR 207, 208	3	3
Intro to Information Systems IS 310	-	3
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	4	-
Technical Writing E 202	3	-
TOTALS	16	15
JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Small Business & Entrepreneurial Mgmt MG 317	3	-
Principles of Finance FI 303	3	-
Economics Elective EC 303, 305, 321, 322, or 327	-	3
Personnel Administration MG 305	-	3
Principles of Production Management PR 345	-	3
Business Ethics & Social Responsibility GB 360	3	-
Business Communication AS 328	3	-
General Electives	-	7
TOTALS	18	16
SENIOR YEAR		
New Venture Creation MG 318	3	-
Working Capital Management I FI 410	3	-
Government and Business GB 441	-	3
Intern Marketing Management MK 320	3	-
Organizational Behavior MG 401	-	3
Management of Technology MG 405	-	3
Business Policies GB 450	-	3
General Electives	6	3
TOTALS	15	15
MANAGEMENT MAJOR HUMAN RESOURCE MANAGEMENT EMPHASIS Bachelor of Business Administration		
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Fund of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105, 106 or M 111, 204	4	4
Electives (Area I)	3	3
Lab Science Elective (Area III)	-	4
General Electives (Area I, II, III)	3	-
TOTALS	16	17
SOPHOMORE YEAR		
Principles of Economics (Area II) EC 201, 202	3	3
Intro Financial & Managerial Acctg AC 205, 206	3	3
Statistical Techniques I PR 207	3	-
Intro to Information Systems IS 310	3	-
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	3	6
TOTALS	15	15
JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	3	-
Labor Economics EC 327 or Intern Macro EC 305	3	-
Commercial Law GB 302	-	3
Personnel Administration MG 305	-	3

Employee & Labor Relations MG 340	3	-
Business Communication AS 328	3	-
General Electives	-	6
General Electives (Area I, II, III)	-	4
TOTALS	18	16

SENIOR YEAR

Compensation Management MG 406	3	-
Human Resource Law MG 330	3	-
Government and Business GB 441	-	3
Principles of Production Management PR 345	3	-
Organizational Behavior MG 401	-	3
Collective Bargaining MG 415	-	3
Management of Technology MG 405	3	-
Business Policies GB 450	-	3
General Electives	4	3
TOTALS	16	15

**MANAGEMENT MAJOR
TRANSPORTATION EMPHASIS
Bachelor of Business Administration**

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102	3	3
Fund of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105, 106 or M 111, 204	4	4
Electives (Area I)	3	3
Lab Science Elective (Area III)	-	4
General Electives (Area I, II, III)	3	-
TOTALS	16	17

SOPHOMORE YEAR

Principles of Economics (Area II) EC 201, 202	3	3
Intro Financial & Managerial Acctg AC 205, 206	3	3
Statistical Techniques I, II PR 207, 208	3	3
Intro to Information Systems IS 310	3	-
Legal Environment of Business GB 202	-	3
General Electives (Area I, II, III)	3	4
TOTALS	15	16

JUNIOR YEAR

Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Regional Economics EC 321	3	-
Business Communication AS 328	3	-
Principles of Finance FI 303	3	-
Transportation Law GB 371	-	3
Principles of Transportation GB 325	-	3
Principles of Production Management PR 345	-	3
General Electives (Area I, II, III)	-	3
General Electives	3	4
TOTALS	18	16

SENIOR YEAR

Logistics Theory GB 350	3	-
International Transportation MG 344	3	-
Airline/Air Cargo Management AV 351	-	3
Business Ethics & Social Responsibility GB 360	3	-
Organizational Behavior MG 401	-	3
Government and Business GB 441	3	-
Business Policies GB 450	-	3
Seminar in Air Transportation AV 450	-	3
General Electives (Area I, II, III)	3	-
General Electives	-	3
TOTALS	15	15

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	3
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

Course Offerings

See page 20 for definition of course numbering system

AV AVIATION MANAGEMENT

Lower Division

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

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

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

Upper Division

AV 351 AIRLINE AND AIR CARGO MANAGEMENT (3-0-3)(F/S). The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management.

AV 450 SEMINAR IN AIR TRANSPORTATION (3-0-3)(F/S). Selected readings and topics on current issues in the air transportation industry. It is an in-depth review of past, present and future roles of involvement representing all sectors of the industry.

GB GENERAL BUSINESS

Lower Division

GB 101 INTRODUCTION TO BUSINESS (3-0-3). Designed to acquaint the student with the many phases of business. An introduction to the business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Not recommended for four year business majors. Juniors and Seniors with declared business majors excluded.

GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3). Emphasis will be on both the external and internal legal environment of a business organization. Topics will include the nature and function of the legal process, administrative regulations, the interaction of business with the judicial, legislative, and executive branches of government, and the legal responsibilities of business. Freshmen excluded.

Upper Division

GB 302 COMMERCIAL LAW (3-0-3). This course provides an in-depth study of the legal principles relating to commercial transactions. Special emphasis will be placed on the following areas of law: agency, contracts, sales, commercial paper, secured transactions, and bankruptcy. **PREREQ:** GB 202.

GB 325 PRINCIPLES OF TRANSPORTATION (3-0-3)(F/S). Study of the economic and management problems and functions of the transportation industry. Covers the organization and structure of the transportation industry as well as the history, development, operations, pricing and legal controls and obligations of firms engaged in transportation services.

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

GB 360 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY (3-0-3)(F). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. Designed to enable students to form individual positions on ethical conduct and social responsibility.

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

College of Business

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

GB 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 and personnel, and other functions.

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

MG MANAGEMENT

Upper Division

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

MG 305 PERSONNEL ADMINISTRATION (3-0-3)(F/S). The functions of personnel administration—human resources, planning, procurement, development, utilization, and compensation—with an emphasis on the interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered (e.g., OSHA, Fair Employment Regulations, etc.). PREREQ: MG 301 or PERM/INST.

MG 317 SMALL BUSINESS AND ENTREPRENEURIAL MANAGEMENT (3-0-3)(F/S). Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. PREREQ: MG 301.

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

MG 330 HUMAN RESOURCE LAW (3-0-3)(F). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanism of conflict resolution are discussed.

MG 340 EMPLOYEE AND LABOR RELATIONS (3-0-3)(F/S). History, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important concepts and terminology in labor-management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made.

MG 344 INTERNATIONAL TRANSPORTATION (3-0-3)(F/S). An insight into the study of documentation, rates, conferences, terminal problems, government policies and aids, carriers and routes associated with international trade. Water transportation associated with domestic service is featured.

MG 401 ORGANIZATIONAL BEHAVIOR (3-0-3). Emphasis on action skills useful for managers. Topics include managing of self, communicating, motivating, innovating, managing a group, use of formal and social power, persuading, and dealing with uncertainty. PREREQ: MG 301.

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: MG 301.

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

MG 415 COLLECTIVE BARGAINING (3-0-3)(S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Special attention is devoted to public sector bargaining. PREREQ: MG 340, 330, or PERM/INST.

Department of Marketing and Finance

Business Building, Room 306

Telephone (208) 385-3356

Chairperson and Associate Professor: Earl Naumann; *Professors:* Cornwell, Frankle, Lincoln, McCain, Manship; *Associate Professor:* Lane; *Assistant Professors:* Barney, Maher, Schooley, Scott, Ray, 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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Fundamentals of Speech Comm CM 111 (Area II) ..	3	-
General Psychology P 101 (Area II)	-	3
Mathematics M 105, 106 or M 111, 204	4	4
Core Electives (Area I)	3	3
Core Electives (Area I, II, III)	3	3
TOTALS	16	16
SOPHOMORE YEAR		
Principles of Economics EC 201, 202	3	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Intro to Information Systems IS 310	-	3
Statistical Techniques I, II PR 207, 208	3	3
Legal Environment of Business GB 202	-	3
Core Electives (Area III)	4	-
General Electives	3	1
TOTALS	16	16
JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	3	-
Intermediate Microeconomics EC 303	-	3
Money and Banking EC 301	3	-
Working Capital Management FI 410	-	3
Major Elective 1 (UD Accounting Course)	-	3
Non-Business Electives (Area I, II, III)	2	5
Principles of Production Management PR 345	-	3
Business Communication AS 328	3	-
TOTALS	17	17
SENIOR YEAR		
Management of Financial Institutions FI 420	3	-
Frontiers in Financial Markets FI 451	-	3
Investment Management FI 450	3	-
Organizational Behavior MG 401	3	-
Capital Budgeting & Planning FI 411	3	-
<i>elective</i> Business Ethics & Social Responsibility GB 360 ..	3	-
Business Policies GB 450	-	3
Decision Processes in Banking FI 421	-	3
*Major Elective	-	3
Non-Business Electives (Area I, II, III)	-	3
TOTALS	15	15

*Major elective in Accounting, Economics, Real Estate or Finance, advisor approval required.

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 marketing positions.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition (Core) E 101, 102	3	3
*General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105, 106 or M 111, 204	4	4
Electives (Area I)	3	3
**Electives	3	3
*Fund of Speech Comm (Area II) CM 111	3	-
TOTALS	16	16

SOPHOMORE YEAR		
Introduction to Financial Accounting AC 205	3	-
Introduction to Managerial Accounting AC 206	-	3
Principles of Economics (Area II) EC 201, 202	3	3
Legal Environment of Business GB 202	3	-
Introduction to Information Systems IS 310	-	3
Physical or Biological Science Electives (Area III)	4	-
Statistical Techniques I, II PR 207, 208	3	3
**Electives	-	3
TOTALS	16	15

JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Intermediate Microeconomics EC 303	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	3	-
Consumer Behavior MK 307	-	3
Marketing Electives	-	6
**Electives	3	-
Intermediate Marketing Management MK 320	-	3
Principles of Production Management PR 345	-	3
Business Communication AS 328	3	-
TOTALS	18	15

SENIOR YEAR		
Organizational Behavior MG 401	-	3
Advanced Marketing Management MK 425	-	3
Marketing Electives	6	-
Business Policies GB 450	-	3
Marketing Research MK 415	3	-
**Electives	5	6
Economics Electives (Upper Division)	3	-
TOTALS	17	15

*Counts as the 6 hours of Area II requirement other than Economics.

**At least 16 hours of electives must be outside of the College of Business. The 16 hours must include hours from at least 2 of the 3 defined Areas I, II, and III.

MARKETING—MID-MANAGEMENT MAJOR
Associate of Science

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 technique, 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 a good part of their 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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Introduction to Business GB 101	3	-

Math or Information/Decision Science Elective	-	4
Salesmanship MM 101	3	-
Introduction to Financial Accounting AC 205	-	3
Principles of Economics-Macro EC 201	-	3
Mid-Management Practicum MM 100	2	2
Elements of Management MM 105	3	-
Fundamentals of Speech Comm CM 111	3	-
TOTALS	17	15

SOPHOMORE YEAR

Consumer Marketing MM 201	3	-
Principles of Economics-Micro EC 202	3	-
Principles of Advertising MM 203	-	3
Report Writing MM 209	3	-
Intro to Micro Applications 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
TOTALS	16	16

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.

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

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

FI FINANCE

Lower Division

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; savings and investment alternatives; life, health, accident and auto insurance; personal income taxes and estate planning.

FI 231 PRINCIPLES OF INSURANCE (3-0-3)(F/S). (Formerly FI 211, Principles of Insurance.) Fundamental legal principles involved in insurance contracts. Company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications. All areas of insurance are covered including life, casualty, liability, and medical.

FI 250 PERSONAL INVESTING (3-0-3)(F/S). The basic mechanics and principles of investing are introduced to acquaint students with investment vehicles, markets, and processes. Other topics will include speculation, options, and commodities. This course may not serve as a finance elective.

Upper Division

FI 303 PRINCIPLES OF FINANCE (3-0-3)(F/S). An introductory course focusing on financial management of business concerns. Topics include: allocation of resources for investment in short- and long-term assets, decisions with respect to debt and equity financing, and dividend policy. Lectures and reading are blended with problems and cases for class discussion. PREREQ: College of Business Upper Division Standing or PERM/INST.

FI 410-410G WORKING CAPITAL MANAGEMENT (3-0-3)(S). (Formerly FI 325, Financial Management I.) This course considers the short-term financial management of a firm. Financial analysis of past, present, and future operations is emphasized. Cash flow analysis, management of current accounts and cost benefit analysis are stressed. Case discussions provide a merging of theoretical concepts and practical application. PREREQ: Upper Division Standing, FI 303.

FI 411-411G CAPITAL BUDGETING AND PLANNING (3-0-3)(F). (Formerly FI 326, Financial Management II.) Acquisition and allocation of long-term sources of funds are the subject of this course. Emphasis is placed on fund raising and the problems associated with measurement and structural influences on the firm's cost of capital. Cash-flow analysis and alternative investment decision rules are examined. Cases are used for classroom discussion as a link between theory and tice. PREREQ: Upper Division Standing, FI 303, DS 208.

College of Business

FI 420-420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F). (Formerly FI 417, Management of Financial Institutions.) The interaction between financial institutions and financial markets are examined and their roles in the economy are discussed. Emphasis is placed on the changes taking place within the financial community and the effects on financial institutions in general and commercial banking in particular. PREREQ: Upper Division Standing, FI 303, EC 301.

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

FI 430 INTERNATIONAL FINANCE (3-0-3)(F). This course builds a strong foundation on the relationship among international financial markets. Included is 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 budgeting and cost of capital for the multinational firm. PREREQ: Upper division standing and FI 303.

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 lectures. PREREQ: Upper Division Standing and FI 303, DS 208.

FI 451-451G FRONTIERS IN FINANCIAL MARKETS (3-0-3)(S). This course focuses on both recent and past innovations in the securities markets. Futures contracts and options, and the theory of hedging using both agricultural and financial futures contracts, options writing, and index options are stressed. A combination of theory and practice will be sought relying on lecture, text material, journal and trade articles, and guest speakers. PREREQ: Upper Division Standing, FI 450.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3)(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.

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: Junior standing.

MK 306 PROMOTION MANAGEMENT (3-0-3)(F/S). A comprehensive approach to creating and implementing advertising and promotional activities. New issues of consumer research are emphasized and integrated with the promotional mix. The economic and social criticisms of advertising are stressed to insure that managers are aware of the ethical responsibilities inherent in the job. PREREQ: MK 301.

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

MK 320 INTERMEDIATE MARKETING MANAGEMENT (3-0-3)(F/S). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, planning and administering marketing programs. Consumer, industrial, institutional, and international markets are considered. PREREQ: MK 301.

MK 415-415G MARKETING RESEARCH (3-0-3)(F/S). Theory and use of research for marketing decisions. Provides experience in planning, designing and implementing research activities. PREREQ: DS 208 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: 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, ethics and social responsibilities of the sales manager. PREREQ: MK 301.

MK 425 ADVANCED MARKETING MANAGEMENT (3-0-3)(F/S). Case and "real world" study of marketing problems. Emphasis on problem definition, recognition of alternative solutions, decision criteria, and defense of a "best" solution. PREREQ: MK 320 and MK 415.

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: 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: MK 301.

MK 498 SEMINAR IN CONTEMPORARY TOPICS IN MARKETING. Providing an opportunity for the study of topics of current interest in marketing. The topics will be selected based upon the interest of students and expertise of faculty.

MM MARKETING—MID-MANAGEMENT

Lower Division

MM 100 MID-MANAGEMENT (2-0-2)(F/S). For students enrolled in the mid-management program. Student may earn 2 semester hours credit for a maximum of four semesters. This provides actual experience in retail, wholesale, or service field as a paid employee. Student is evaluated by both the employer and the program coordinator.

MM 101 SALESMANSHIP (3-0-3)(F/S). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesaler and manufacturer establishments, analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques.

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

MM 201 CONSUMER MARKETING (3-0-3)(F). The study of activities by which goods and services flow from producer to ultimate consumer. Includes methods, policies, and evaluation of the various marketing institutions according to the function performed.

MM 203 PRINCIPLES OF ADVERTISING (3-0-3)(S). Objectives and policies of sales promotion, study of the media, and regulation of advertising. Coordination of display, selling and other merchandising factors. 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.

RE REAL ESTATE

Lower Division

RE 201 FUNDAMENTALS OF REAL ESTATE (3-0-3)(F/S). Essentials of real estate practice, listings, sales, financing, land descriptions, investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions.

RE 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establishing and governing basic rights of ownership and use of real estate. The concepts of the modern real estate transaction, the real estate brokerage business, and the various legal relationships involved are discussed. PREREQ: GB 202 and RE 201.

Upper Division

RE 331 APPRAISAL OF REAL ESTATE (3-0-3)(F/S). Modern real estate appraising concepts and the technical skills employed in their application to residential property. PREREQ: RE 201.

RE 340 REAL ESTATE INVESTMENT AND TAXATION (3-0-3)(F/S). Real estate from the investor's (owner's) point of view with special attention to the tax aspects including Risk and Return Analysis, Property Leverage, Discounted Cash Flow, Tax Consequence of Sales, Exchanging, Multiple Exchanges, and Computerized Investment Analysis. PREREQ: RE 201, 220 and FI 303.

RE 360 REAL ESTATE FINANCE (3-0-3)(F/S). Financial analysis and examination of the intricacies of the real estate mortgage markets, source of mortgage funds, federal government and mortgage markets, lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. PREREQ: RE 201 and FI 303.

RE 431 APPRAISAL OF INCOME PROPERTIES (3-0-3)(F/S). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are analyzed. PREREQ: RE 201, 331.



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, Hill, Marks, Phillips, D. Smith, L. Smith, 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, Physical Education and Psychology and to help them appreciate and use scientific thinking as a tool for viewing human behavior in a more sophisticated and effective manner. Professional course work and experiences are directed primarily toward the mastery of skills needed by teachers.

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 4:30 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:* Miller, Petlichkoff, Spitzer, Thorngren, Wallace; *Special Lecturers:* Craner, Koto, Moore, Sandmire, Sawyer, 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 skills in critical thinking, communication 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 practicum experiences. The process will enable graduates to interact effectively with people in espousing the philosophy of a healthy and skillful lifestyle in various settings.

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.
 - a. Teaching P.E.: For students seeking to certify as physical education instructors at the K-8, 6-12 or K-12 levels.
 - b. Coaching: College of Education majors who want special preparation for public school coaching should also pursue this alternative.
 - c. 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.
 - d. 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 Physics (Biomechanics & Pre-Physical Therapy only) (Area III Core)
C	Chemistry Sequence (Athletic Training, Exercise Science only) (Area III Core)
Z 111, 112	Anatomy and Physiology (Area III Core)
Z 107	Concepts Human Anatomy & Physiology (Biomechanics only)
TE 201	Found of Education (Teaching option only) (Area II Core)
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 = denialStudent 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. skill level in both academic and physical skills.
 - c. commitment to becoming a model physical educator.The Chair will be obligated to discuss the issue(s) with the student as s/he 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)

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
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 class 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.

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.....	3
	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
Found of Education TE 201 (Area II Core).....	3
Found of Speech Comm CM 111 (Area II Core).....	3
Found of Physical Science PS 100 (Area III Core) or.....	4-8
General Physics PH 101, 102 (Area III Core).....	6
Area I Core, Second & Third Fields.....	6
Area II Core, Sociology Elective.....	3
*Fitness Activity.....	2
Electives.....	4
	32

JUNIOR YEAR

Curriculum Proficiency PE 300.....	3
Instructional Styles PE 304.....	3
Human Growth and Motor Learning PE 306.....	3
Evaluation in Physical Education PE 309.....	3
Exercise Physiology PE 310.....	3
Kinesiology PE 311.....	3
*Fitness Activity.....	2
Educational Psychology P 220.....	3
Reading in Content Subject TE 407.....	3
Educational Technology TE 356.....	2
Secondary School Methods TE 381.....	3
Area I Core, Any Field.....	3
	34

SENIOR YEAR

Adolescent Psychology P 212.....	3
Educating Except Second Student TE 333.....	1
Adapted Physical Education PE 451.....	3
Organization and Admin of Physical Education PE 457.....	2
*Fitness Activity.....	2
Student Teaching.....	10-16
Electives.....	10
	29-36

NOTE: *Complete six (6) activity courses with at least one activity being selected from each category listed below. Physical Education (PE), Fitness Activities (FA) or one credit of varsity participation in a like activity may be used for credit. In cases where both PE and FA classes are offered, the PE activity must be taken.

1. SPORT: PE 143, 144, 212, 217, FA 182, 187.
2. DANCE: FA 121, 122, 123, 124, 125.
3. FITNESS: FA 161, 163, 164, 165, 167, Aquatics.
4. LEISURE: FA 133, 135, 171, 172, 173, Outdoor Adventure Course.

PHYSICAL EDUCATION, NON-TEACHING OPTION BIOMECHANICS EMPHASIS

FRESHMAN YEAR

English Composition E 101, 102.....	6
General Psychology P 101 (Area II Core).....	3
Fund of Speech Comm CM 111 (Area II Core).....	3
Concepts of Human Anatomy & Physiology Z.107.....	4
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
Digital Computer Programming CS 124/EN 104.....	2
	34

SOPHOMORE YEAR

Applied Anatomy PE 230.....	3
Microcomputers in Physical Education PE 284 or equiv.....	3
Area II Core, Any Field.....	3
Calculus & Anal Geometry M 204, 206 (Area III Core).....	13
Mechanics, Waves and Heat PH 211, 212 (Area III Core).....	5
Intermediate Applied Programming M/PH 225.....	2
Area I Core, Second & Third Fields.....	6
Area II Core, Sociology Elective.....	3
	38

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
	31

SENIOR YEAR

Adapted Physical Education PE 451.....	3
Psycho/Social Aspects of Activity PE 401.....	3
Internship PE 493.....	6
*Electives.....	16
	28

NOTE: RECOMMENDED ELECTIVES: *(24-31 credits) chosen from: PE 212, 236; EN 221, 223, 301, 306; PH 207, 307, 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)	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, Philosophy Elective	3
	33

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
	34

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	3
Area I Core, Third & Any Field	6
*Electives	10
	33

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
Fitness Testing PE 404	2
*Electives	8
	31

NOTE: RECOMMENDED ELECTIVES: *(14-21 credits) chosen from: B 205; Z 130, 409; C 318-320, 431; P 225, 305; PH 207; RT 225, 307; H 220, 300.

PHYSICAL EDUCATION, NON-TEACHING OPTION HEALTH PROMOTION EMPHASIS

FRESHMAN YEAR

English Composition E 101, 102	6
Human Anatomy and Physiology Z 111, 112 (Area III Core)	8
Essen of 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
	33

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
	34

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
	31

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 + 3
Area II Core	3
*Organizational Behavior MG 401	3
*Electives	8
	30

NOTE: RECOMMENDED ELECTIVES: *(14-21 credits) chosen from: B 300; C 107-110; CM 221, 251, 478; FI 303; H 410, 414, 480, 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

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
Fitness Foundations PE 114	1
Training Room Procedures PE 120	1
Advanced First Aid & CPR PE 122	3
Medical Terminology H 101	3
Intro to Philosophy PY 101 (Area I)	3
	34

SOPHOMORE YEAR

Applied Anatomy PE 230	3
Microcomputers in Physical Education PE 284	3
Internship PE 293	3
Nutrition H 207	3
Intro Athletic Injuries PE 236	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
Essen of Chemistry C 107-110 (Area III Core)	9
	34

JUNIOR YEAR

Area I Core Elective	3
Area II Core	3
Human Growth & Motor Learning PE 306	3
Evaluation in Physical Education PE 309	3
Exercise Physiology PE 310	3
Training Room Modalities PE 403	2
Adolescent Psychology P 212	3
Area I Core Elective	3
Area II Core Elective	3
Conditioning Procedures PE 313	2
Advanced Athletic Training PE 402	3
	31

SENIOR YEAR

Kinesiology PE 311	3
Psycho/Social Aspects of Activity PE 401	3
Theory & Appl Therapeutic Exercise PE 406	3
Injury Evaluation PE 422	2
Health Programs: Methods & Adm PE 415	3
Health Promotion PE 417	2
Adapted Physical Education PE 451	3
Internship PE 493	3
Electives	7
	29

Physical Education Minor Teaching Certification Endorsements

HEALTH EDUCATION FOR NON-PHYSICAL EDUCATION MAJORS

Health Education PE 100	3
Fitness Foundations PE 114	1
Advanced First Aid PE 122	3
First Aid Instr Trng Course PE 123	1
Health Prog: Meth & Adm PE 415	3
Anatomy and Physiology Z 107	4
Nutrition H 207	3
ELECTIVES: Select two (6)	
Drugs, Use and Abuse H 109	3
Human Sexuality P 261	3
Consumer Health PE 405	2
TOTAL	24

HEALTH EDUCATION MINOR FOR PHYSICAL EDUCATION MAJORS

First Aid Instr Trng Course PE 123	1
Health Prog: Meth & Adm PE 415	3
Nutrition H 207	3
ELECTIVES: Select two (6)	
Drugs, Use and Abuse H 109	3
Human Sexuality P 261	3
Consumer Health PE 405	2
TOTAL	13

ATHLETIC TRAINING MINOR FOR PHYSICAL EDUCATION MAJORS

Essen of Chemistry & Labs C 107-110	9
Medical Terminology H 101	3
Nutrition H 207	3
Training Room Procedures PE 120	1
Intro Athletic Injuries PE 236	3
Internship — Athl Trng PE 293	3
Conditioning Procedures PE 313	2
Psych/Soc Aspects of Activity PE 401	3
Advanced Athletic Training PE 402	3
Training Room Modalities PE 403	2
Injury Evaluation PE 422	2
Theory & Appl of Therapeutic Exercise PE 406	3
Internship — Athl Trng PE 493	3
Fitness Testing PE 404	2
TOTAL	43

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

Introduction to Coaching PE 107	2
Complete one of the following:	
First Aid-CPR PE 122	1
Advanced First Aid CPR PE 122	3
Intro Athletic Injuries PE 236	3
American Red Cross Certification in First Aid-CPR	0
Coaching Methods Course selected from:	
Coaching Baseball PE 250	2
Coaching Wrestling PE 260	2
Internship in Coaching Youth Sports	1
or equivalent experience	0

Part II — Interscholastic Coaches

Complete Part I	4-8
Anatomy & Physiology Z 107, or Z 111, 112	4-8
Conditioning Procedures PE 313	2
Psycho/Soc Aspects of Sport PE 401	3
Coaching, Nature of Profession PE 430	2
Coaching Methods selected from:	
Coaching Baseball PE 250	2
Coaching Wrestling PE 260	2
Two skills courses that compliment coaching meth courses	1+1
Internship "Interscholastic Athletics"	3
TOTAL	22-30

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
Motor Programming for Special Programs PE 369	3
Elementary Student Teaching TE 477	3-6
TOTAL	13-16

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 100	3
Found of Physical Education PE 101	3
Internship in Elementary Physical Education PE 293	1!
Human Growth & Motor Learning PE 306	3
Dance for Children PE 357	2
Elem School PE Methods PE 361	3
Motor Program for Special Populations PE 369	2
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/S). Professional activity. Instruction and practice in rhythmic skills (locomotor, non-locomotor, and manipulative), emphasizing fundamental and practical application. Required of all PE majors.

PE 114 FITNESS FOUNDATIONS (0-2-1)(F/S). Assessment, prescription and development of an individualized physical fitness program. Designed to improve cardiovascular endurance, strength, flexibility and weight control. Required of all PE and Athletic Training 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 skills and the multi-media approach to 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 extrication, 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 spring 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.

College of Education

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. Laboratory 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.

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 (2-2-3)(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 250 COACHING BASEBALL (2-0-2)(S). Instruction in methods of coaching baseball with emphasis on fundamentals, strategy, conditioning and practical application. PREREQ: Sophomore standing. Offered spring of odd numbered years beginning Spring, 1989.

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. Offered on demand.

PE 282 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 283 WATER SAFETY INSTRUCTOR'S COURSE (1-2-2)(S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC, WSI certificate. Must have ARC advanced lifesaving certificate and ARC swimming level of skill.

PE 284 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F/S). An introduction to the use of microcomputers in physical education and allied disciplines. The course includes BASIC programming, selection and evaluation of hardware and software, and unique computer applications for physical educators.

PE 293 INTERNSHIP (1-3 credits)(F/S). Practicum field experience in physical education related areas. Practical experience utilizing theory and practice of the assigned activity in 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 311 KINESIOLOGY (2-2-3)(F/S). Anatomical and mechanical considerations applied to human motion in sport and exercise. 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)(S). Instruction in the analysis of fundamentals, development of skills and application of methods in teaching dance to children. Offered in spring on odd numbered years.

PE 361 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS (3-0-3)(F/S). Instruction in methods of teaching elementary school physical education emphasizing movement needs, analysis and development of skills and practical application. PREREQ: Junior standing.

PE 369 MOTOR PROGRAMMING FOR SPECIAL POPULATIONS (2-0-2)(F). Instruction in motor growth and development, identification, assessment, prescription and methods of implementing fitness programs for special populations. PREREQ: Junior standing, PE 361.

PE 401-401G 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 student pursuing a career as professional athletic trainer. PREREQ: PE 236, 311. Offered in spring on odd numbered years.

PE 403 TRAINING ROOM MODALITIES (2-0-2)(F). Instruction in theory and application of various therapeutic modalities for care and treatment of athletic injuries, emphasizing cryotherapy, thermal therapy, and electrical modalities. PREREQ: Junior standing, PE 236, 311. Offered in the fall on even numbered years.

PE 405 CONSUMER HEALTH (2-0-2)(S). Instruction in factors involved in the selection and evaluation of health services and products, emphasizing quackery awareness, consumer protection laws and organizations and health insurance considerations. PREREQ: Junior standing. Offered in the spring on even numbered years.

PE 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 educators 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 (2-0-2)(F/S). Instruction in Organization and Administration of physical education and athletic programs. Emphasis upon the role of physical education and athletics in the total education program. Required of all Physical Education Teaching 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 theory learned 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 as electives toward graduation. No fitness activity course may be challenged for credit. All fitness activity courses are graded pass/fail whereby credit earned will count toward graduation but will earn no quality points to be used in calculation of the grade point average.

*FA 160 Stretch & Tone, FA 161 Aerobic Dance and FA 162 Adapted Physical Education may be repeated for credit.

Fitness activity course numbers provide the following information:

- The first digit indicates skill level (I, II, III):
 - LEVEL I courses are designed for the beginner who has had little or no instruction in the activity.
 - LEVEL II is for the individual who has command of basic skills and is of intermediate performance level.
 - LEVEL III is for the individual who has command of intermediate skills and is ready for emphasis on advanced game strategies and skills.
- The second digit indicates the activity classification (1—aquatics, 2—dance, 3—individual sports, 4—martial arts, 5—outdoor pursuits, 6—personal fitness, 7—racquet and court sports, 8—team sports, 9—participation sports).
- The third digit indicates the specific activity (example: 1—kayaking, 2—skin and scuba diving, etc.)

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 mask, fins and snorkel, mechanical use of equipment, safety techniques, and panic control are stressed. Students must swim 400 yards, tread water for 15 minutes and carry a ten pound weight 25 yards. Certification is optional. Special fee: 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 swim. (Pass/Fail).

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/S). Instruction and participation in water aerobics for the development of cardiovascular and neuromuscular fitness. (Pass/Fail).

FA 116 CANOEING (0-2-1)(F/S). Develop proper stroking/handling techniques and knowledge of river currents. Learn to paddle on lakes, reservoirs and flat rivers or experience the excitement of white water canoeing. Must be able to swim. 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. Involves lectures and weekend 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, foxtrot, 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 tactics. For criminology majors only. GI required. (Pass/Fail).

FA 142 JUDO I (0-2-1). Principles and philosophy of judo and techniques of falling, throwing, and grappling. GI required. (Pass/Fail).

FA 143 KARATE I (0-2-1)(F/S). Presentation of techniques based on the theory of energy conservation. Exercises coordinated the mental and physical powers possessed by every individual. GI required. (Pass/Fail).

FA 144 SELF-DEFENSE I (0-2-1)(F/S). Defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Improvement of coordination and condition of the participant. GI required. (Pass/Fail).

FA 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)(S). Basic skills and techniques of cross country skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail).

FA 154 FLYCASTING AND STREAM STRATEGY I (0-2-1)(F/S). Techniques of flycasting, including single and double haul methods. Presentation of insect, minnow, and terrestrial imitations. Techniques of catching and releasing of warm water, cold water, and anadromous fishes. Students furnish equipment and transportation. (Pass/Fail).

FA 155 FLYTYING I (0-2-1)(F/S). A practical orientation and application of flytying skills for the beginning or experienced fly tier. The course will focus on tying dry and wet flies, nymphs, bucktails, and streamers. Special fee required. (Pass/Fail).

College of Education

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 (0-2-1)(F/S). Instruction includes information about types of caves, formations, formation growth, essential equipment and utilization of proper 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 pretested and placed in a level suitable to his/her capabilities as to age and condition. Designed to develop and maintain the cardio-respiratory system. (Pass/Fail).

FA 164 PERSONAL FITNESS AND WEIGHT CONTROL I (0-2-1). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs. (Pass/Fail).

FA 165 WEIGHT TRAINING I (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of beginning skills and fitness. (Pass/Fail).

FA 166 YOGA AND STRESS MANAGEMENT I (0-2-1). Introduction to yoga theory, practice, and tradition; introduction to stress/distress theories; in-depth practice of Hatha Yoga 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 181 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 191 VARSITY SPORTS I (0-2-1)(F/S). Instruction and participation in BSU Department of Athletic's approved sports. Coach's approval required. (Pass/Fail).

FA 213 SWIMMING II (0-2-1). Instruction and participation in swimming for development of intermediate skills and techniques. Instruction in self-rescue skills, games, diving, and contests. Students must be able to swim 50 yards. (Pass/Fail).

FA 216 WHITEWATER CANOEING (0-2-1)(F/S). Students will canoe whitewater rivers and have the opportunity to experience surfing, eddy turns and river hydraulics. American Red Cross Certification is available. All equipment is sup-

plied. Participants must be able to swim. PREREQ: FA 116 or PERM/INST. Special fee: full-time students exempt. (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, rumba, tango, lindy, western swing, folk, square, and various novelty dances. (Pass/Fail).

FA 233 BOWLING II (0-2-1). Instruction and participation in bowling for development of intermediate skills and techniques. Special fee required. PREREQ: FA 133 (Pass/Fail).

FA 235 GOLF II (0-2-1). Instruction and participation in golf for development of intermediate skills and techniques. Special fee required. PREREQ: FA 135. (Pass/Fail).

FA 236 GYMNASTICS II (0-2-1)(Coed). Instruction and participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory and optional routines. PREREQ: FA 136. (Pass/Fail).

FA 242 JUDO II (0-2-1). Instruction and participation in judo for those seeking advanced degrees. GI required. PREREQ: FA 142 (Pass/Fail).

FA 243 KARATE II (0-2-1). Instruction and participation in karate for development of advanced skills and techniques. GI required. PREREQ: FA 143. (Pass/Fail).

FA 244 SELF-DEFENSE II (0-2-1). Instruction and participation in advanced defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. GI required. PREREQ: FA 144. (Pass/Fail).

FA 259 BICYCLE RACING (0-2-1)(F/S). Pre-race training, coping strategies, time trials, and triathlon competition are part of the content. Additional instruction includes bicycle maintenance and safety in racing and triathlon settings. Students must provide their own bicycles and helmets. Special fee: full-time students exempt. (Pass/Fail).

FA 265 WEIGHT TRAINING II (0-2-1)(F/S). Instruction and participation in progressive body-building and conditioning exercise with resistance for development of intermediate skills. PREREQ: FA 165. (Pass/Fail).

FA 272 RACQUETBALL II (0-2-1)(F/S). Instruction and participation in racquetball for development of intermediate skills and techniques. Students furnish racquets and balls. Protective eye wear is required. PREREQ: FA 172. (Pass/Fail).

FA 273 TENNIS II (0-2-1). Instruction and participation in tennis for development of intermediate skills and techniques. Students furnish rackets and balls. PREREQ: FA 173. (Pass/Fail).

FA 281 BASKETBALL II (0-2-1)(F/S). Instruction and participation in basketball for development of intermediate skills and techniques. PREREQ: FA 181. (Pass/Fail).

FA 286 VOLLEYBALL II (0-2-1)(F/S). Instruction and participation in volleyball for development of intermediate skills and techniques. PREREQ: FA 186. (Pass/Fail).

FA 290 CLUB SPORTS II (0-2-1)(F/S). Instruction and participation in club sports approved by BSU Student Senate. Club advisor's approval required. (Pass/Fail).

FA 291 VARSITY SPORTS II (0-2-1)(F/S). Instruction and participation in BSU Department of Athletics approved sports. Coach's approval required. (Pass/Fail).

Upper Division

FA 313 SWIMMING III (0-2-1)(F/S). Participation in swimming for development of advanced skills and techniques. Instruction in stroke mechanics, training program design, starts, turns, and survival swimming. PREREQ: FA 213. (Pass/Fail).

FA 365 WEIGHT TRAINING III (0-2-1)(F/S). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of advanced skills and fitness. PREREQ: FA 265. (Pass/Fail).

FA 372 RACQUETBALL III (0-2-1)(F/S). Instruction and participation in racquetball for development of advanced skills and techniques. Emphasis on doubles play and safety. Students furnish racquets and balls. Protective eye wear is required. PREREQ: FA 272. (Pass/Fail).

FA 373 TENNIS III (0-2-1). Instruction and participation in advanced drills, game experience and strategy, and study of the USTA rules and code. Students furnish rackets and balls. PREREQ: FA 273. (Pass/Fail).

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; *Assistant Professor:* Leon.

Degrees Offered

- BA and BS in Psychology

Special Information for Students

1. The College of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology; but 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 matter area that includes a Secondary Education Option. Psychology courses often are explicitly prescribed parts of such programs; additional courses may be taken as electives.

4. Every psychology course that is specifically required for the baccalaureate degree in psychology must be passed with a grade of 'C' or better in order to qualify a student for that degree.

Degree Requirements

PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science Degree

1. Lower Division:

a. English Composition	3-6
b. Arts and Humanities Total Credits	12
Area I Core Courses:	12
Literature	3
Second Area I Field	3
Third Area I Field	3
Any Area I Field	3
c. Social Sciences Total Credits	21
Area II Core Courses	12
General Psychology P 101	3
History	3
Third Area II Field	3
Any Area II Field	3
Non-core Courses	10
Physiological Psychology P 225	3
Intro Practice of Psychology P 201	3
Computer Appl in Social Science SO 210	4
d. Natural Science-Math Total Credits	16
Area III Core Courses	12*
Concepts of Biology B 100	4
Second Area III Field	4
Any Area III Field	4
Non-core Courses	4
Concepts of Human Anat & Phys Z 107	4
Mathematics	8*

*If the selected Mathematics courses are Area III Core courses, they may also apply towards the requirement of 12 credits in the Area III Core.

2. Upper Division

a. Psychology Total Credits	25
Statistical Methods P 305	3
Experimental Design P 321	4
Learning P 441	3

Systems Seminar P 489	3
P 405, P 421, or P 499	3
P 341, P 343, or P 345	3
Two courses from the following:	
P 301, P 309, P 310, P 351, P 431	6

b. Upper Division Elective Credits	15
3. Free Elective Credits	32-35

PSYCHOLOGY REQUIREMENTS FOR CERTIFICATION BY STATE DEPARTMENT OF EDUCATION

Social Science, Secondary Education Option Major

P 101 General Psychology	3
P 301 Abnormal Psychology	3
P 351 Personality	3
Psychology Upper Division Electives	6
TOTAL	15

PSYCHOLOGY MINOR

P 101 General Psychology	3
P 301 Abnormal Psychology	3
P 305 Statistical Methods	3
P 351 Personality	3
Psychology Upper Division Electives	9
TOTAL	21

Recommended Program

PSYCHOLOGY MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
*English Composition E 101, 102	3	3
***Concepts of Biology B 100	4	-
*Concepts of Human Anat & Physiol Z 107	-	4
*Intro to the Practice of Psychology P 201	-	3
***History (e.g. HY 101 or 102)	3	-
***General Psychology P 101	3	-
**Area I Core Electives	3	3
**Mathematics Electives	-	4
	16	17

SOPHOMORE YEAR

**Literature	3	-
**Mathematics Elective	4	-
*Physiological Psychology P 225	3	-
**Area II Core Electives (e.g., AN 102, SO 101)	3	6
**Area I Core Electives	-	3
****General Electives	3	6
	16	15

JUNIOR YEAR

*Computer Applications in Soc Sci SO 210	-	4
*Statistical Methods P 305	3	-
*Experimental Design P 321	-	4
Psychology Seminar P 398	-	1
*Learning P 441	3	-
*P 341, P 343, or P 345		
and		
*Two courses from the following:		
P 301, P 309, P 310, P 351, P 431	3	6
*Upper Division Electives (Psych. or other)	7	2
	16	17

SENIOR YEAR

***Two courses from P 405, P 421, P 499	3	3
*Systems Seminar P 489	-	3
*Upper Division Electives (Psych. or other)	3	-
****General Electives	9	7
	15	16

*Specifically required.

**Courses approved for the Core.

***One course is specifically required. A minimum of two courses are highly recommended for students planning for graduate school.

****It is advisable for students planning for graduate school to obtain additional credits in mathematics and the sciences.

Course Offerings

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)(F). An educational television series with accompanying textbook, the eight one-hour programs focus on the mysteries of consciousness, vision and movement, pain, 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 II 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 220 EDUCATIONAL PSYCHOLOGY (3-0-3)(F/S). A critical examination of some psychological concepts that have relevance to the process of education. 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 dysfunction, sex role development, and sexual deviation. Cross cultural values will be examined, and a values clarification unit will be included.

P 291 DEATH: A CONFRONTATION FOR EVERYONE (3-0-3)(F). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living.

Upper Division

NOTE: Upper Division Psychology courses are saved for Upper Division students.

P 301 ABNORMAL PSYCHOLOGY (3-0-3)(F/S). A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. PREREQ: P 101.

P 305 STATISTICAL METHODS (3-0-3)(F/S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability and analysis of variance. PREREQ: P 101, High School Algebra.

P 309 LIFE-SPAN DEVELOPMENT I (3-0-3)(F). Designed for psychology majors, the course will emphasize 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 305.

P 331 THE PSYCHOLOGY OF HEALTH (3-0-3)(F). Principles that have emerged from the experimental analysis of behavior will be examined. The principles include, but are not limited to, operant and classical conditioning. The course will deal with applications of these principles to the understanding and change of phobias, obesity, smoking, alcoholism, aberrant sexual behavior and similar problems. PREREQ: P 101.

P 341 PERCEPTION (3-0-3)(S). A survey of the basic concepts in the psychology of perception. Present day research and findings from the human information processing approach are emphasized. Processes are stressed, although coverage of receptor structure and neural pathways is included. PREREQ: P 101.

P 343 THE PSYCHOLOGY OF THOUGHT (3-0-3)(F). Examines basic processes of attention and information processing, memory and forgetting; concept formation and the representation of knowledge; reasoning; creativity; and computer simulation of these processes. PREREQ: P 101.

P 345 THE PSYCHOLOGY OF LANGUAGE (3-0-3)(S). Examines language structure, types of grammar, problems of meaning, competence versus performance, whether all thinking is verbal, linguistic determinism, and cultural factors in language. PREREQ: P 101.

P 351 PERSONALITY (3-0-3)(F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. PREREQ: P 101.

P 353 PSYCHOANALYTIC PSYCHOLOGY (3-0-3)(F). Human emotion and motivation from the points of view of Freudian theory and its derivatives. Suggested companion course P 351. PREREQ: P 101. Fall of even numbered years.

P 357 PEER COUNSELING: THE HELPING RELATIONSHIP (3-0-3)(F/S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially 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 SO 101.

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. **(3-0-3)**

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 will be covered. 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 305 or equivalent or PERM/INST.

P 421-421G PSYCHOLOGICAL MEASUREMENT (3-0-3)(F). An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. PREREQ: P 101 and P 305.

P 431 SOCIAL PSYCHOLOGY (3-0-3)(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 435 PSYCHOLOGY OF MOTIVATION (3-0-3)(F/S). Survey of experimental and theoretical studies of motivation in humans and animals. PREREQ: P 101 and P 305.

P 441 LEARNING (3-0-3)(F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. PREREQ: P 101 and P 305. P 321 may be taken before or concurrently with P 441.

P 489 SYSTEMS SEMINAR (3-0-3)(S). Theories and controversies in American Psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. PREREQ: Senior standing in Psychology.

P 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 will contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. PREREQ: P 101 and P 321, PERM/INST.

P 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.

Department of Teacher Education

Education Building, Room 205

Telephone (208) 385-3602

Chairperson and Professor: Virgil M. Young; *Professors:* Bieter, Edmundson, Frederick, Friedli, Hart, Hill, J. Jensen, Kirtland, Lambert, Sadler, Singh, Waite; *Associate Professors:* Bauwens, French, Hourcade, M. Jensen, Lyons, Morrison, Pearson, Suedmeyer, K. Young; *Assistant Professors:* Anderson, Bahruth, Christensen, Guerin, Lindsey, Matthews, Ritchie, Singletary, Vinz.

Coordinator of Foreign Languages and Associate Professor: Jay Fuhrman; *Professors:* Jocums, Valverde; *Associate Professor:* Robertson.

Degrees Offered

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

Students seeking secondary certification must complete a Bachelor's degree within the University department offering the content courses in their chosen subject area. Professional secondary education option coursework is taken in the Department of Teacher Education.
- Graduate

A Master of Arts/Science in Education is offered through the Department of Teacher Education. The candidate may select from 10 areas of emphasis: (1) Art, (2) Curriculum and Instruction, (3) Early Childhood, (4) Earth Science, (5) English, (6) Instructional Technology, (7) Mathematics, (8) Music, (9) Reading, (10) Special Education. The specifics of the programs are presented in the Graduate College section of this catalog.

Department Statement

Education is a life-long activity and schools serve as a major force in promoting ongoing learning and growth by individuals and the society. Effective schools require teachers to understand theory and translate it into sound practice. The major purpose of the Department of Teacher Education is to prepare teachers who—

- critically analyze issues in education
- see teaching as a problem-solving activity

- draw on their backgrounds in liberal studies to make reasoned instructional decisions
- demonstrate commitment to ongoing professional development
- act in ways which reflect high standards of ethics
- utilize research information to make decisions about educational practices
- accommodate students who have special needs
- bring an understanding of the interdependence of a global society to an environment which is largely rural and homogeneous
- communicate to students and colleagues the joy of teaching and learning

The department devotes significant energy and resources to programs to prepare teachers for public and private schools. Graduate programs provide ongoing professional development opportunities for teachers and accommodate educators who work in settings other than elementary and secondary schools. The graduate programs encourage teachers to increase their expertise as instructional leaders in specialized areas or as generalists in education.

In addition to preservice and graduate education programs, the department also serves teachers and local school districts through cooperatively developed inservice education programs. The department supports appropriate change efforts and provides technical assistance to school districts, government agencies, and the private sector. Applied research in education by faculty members is encouraged and supported.

The department provides courses and experiences in language study, and serves as a resource for instructional improvement for the university community and offers courses which help students meet the demands of university study.

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 will be distributed to students taking TE 201 Foundations of Education.

Admission to Teacher Education is required before students may take any upper division courses in Teacher Education. Provisional admission is possible for students who have degrees and are working toward certification only.

General requirements for admission to Teacher Education for elementary and secondary candidates shall be determined and implemented by the Department 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.
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. Students who exhibit problems in writing may be required to take a one-hour written English Qualification Examination (EQE) 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 required by the English Department.)

Any deviations from the preceding policy must be approved by the Chairman of the department.

Admission to Student Teaching: An application for a specific student teaching assignment must be filed with the Office of the Coordinator of Field Services, Department of Teacher Education, by:

College of Education

1. February 15th for students desiring to student teach in the fall.
2. October 1st for students desiring to student teach in the spring.

Note: Elementary Education majors make application for their first semester, only.

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, and the Education courses completed.
5. Approval by the Teacher Education Academic Standards and Screening Committee.
6. Minimum grade of "C" in TE 381 Secondary School Methods and in any special methods courses taken.
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 addressed either to the Coordinator of Field Experiences (Education Building, Room 305) or the Dean of the College of Education (Education Building, Room 705).
4. Student Teaching can only be taken once (refer to PART 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.
 - 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 Soc Sci (SO 230 or AN 102) 3
Area II Elective (Econ or Polit Sci) 3
NOTE: For certification purposes, Elementary Education majors must complete a total of 12 Semester hours in Social Science areas other than Psychology and Communication.
 - d. Area III Requirements 12
See University Core Requirements.
NOTE: Elementary Education majors must have courses in both Biological and Physical Sciences.
2. Professional Education Requirements
 - 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
 - Elementary School Art Methods AR 321 3
 - Elementary School PE Methods PE 361 3
 - Educational Psychology P 220 3
 - Child Psychology P 211 3
 - b. Taught by the Teacher Education Department
 - Intro to Teaching I & II TE 171, 271 2
 - Foundations of Education TE 201 3
 - Intro to Microcomputer in Classroom TE 208 3
 - Education of the Exceptional Child TE 291 3
 - Teach Beginning Develop Reading K-3 TE 305 3
 - Teaching Develop & Content Reading 4-6 TE 306 3
 - Children's Literature TE 316 3
 - Elem Curriculum & Methods I TE 451 6
 - Elem Curriculum & Methods II TE 452 6
 - Classroom Management Skills TE 457 2
 - Elem Student Teaching TE 471 5
 - Elem Student Teaching TE 472 OR
 - Student Teaching in Special Educ TE 473 5

Recommended Programs

ELEMENTARY EDUCATION MAJOR

FRESHMAN YEAR	Credits
English Composition E 101, 102	6
Concepts of Biology (Area III) B 100	4
Physical Science (Area III) PS 100	4
Intro to Teaching I Class Observation TE 171	1
General Psychology P 101	3
Area I Second Field: Art or Music	3
Area I Third Field Elective	3
Area II Social Science: U.S. History	3
Area II, Geography GG 101 or 102	3
Area II, Economics or Political Science	3
TOTAL	33

SOPHOMORE YEAR

Music Fundamentals MU 101	2
Foundations of Education TE 201	3
Intro to Teaching II: Instr Exper TE 271	1
Intro to Microcomputer in Classroom TE 208	3
Structure of Arithmetic for Teachers M 103	4
Geometry and Probability for Teachers M 104	4
Education of the Exceptional Child TE 291	3
Area I Second Field (E 271 or E 272)	3
Area I Additional Literature Course	3
Area II Social Science: SO 230 or AN 102	3
Area III Elective	4
TOTAL	33

JUNIOR YEAR

Teaching Beginning Developmental Reading K-3 TE 305	3
Teaching Developmental & Content Reading 4-6 TE 306	3
Children's Literature TE 316	3
Elementary School Art Methods AR 321	3
Elementary School PE Methods PE 361	3
Music Methods for Elementary Teachers MU 371	2
Educational Psychology P 220	3
Child Psychology P 211	3
Speech Comm for Teachers CM 311 suggested	3
Electives	6
TOTAL	32

SENIOR YEAR

First Semester:	
Classroom Management Skills TE 457	2
Elem Curriculum & Methods TE 451	6
Elementary Student Teaching TE 471	5
Second Semester:	
Advanced Curriculum and Methods TE 452	6
Elementary Student Teaching TE 472	5
or	
Student Teaching: Special Education TE 473	6
Electives	6
TOTAL	30

**ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR
Bachelor of Arts Degree**

NOTE: Completion of this degree as outlined in this catalog qualifies the student to receive a Standard Elementary Teaching Certificate from the State of Idaho, thus enabling him/her to teach in a regular or Bilingual elementary classroom.

LANGUAGE COMPONENT

Spanish Section	
Intermediate Spanish (Area I) S 201	4
Intermediate Spanish (Area I) S 202	4
Advanced Spanish S 303	3
Advanced Spanish S 304	3
TOTAL	14

English As a Second Language (ESL) Section

Foundations of Teaching English as a 2nd Language TE 202	2
Identification & Diagnosis of LEP Students TE 322	2
Methods of Teaching English as a 2nd Language TE 456	3
Introduction to Language Study LI 305	3
Applied Linguis in Teaching Engl as 2nd Lang LI 407	3

English Section

English Composition E 101	3
English Composition E 102	3
TOTAL	6
Total Hours in Language Component	33

MULTICULTURAL COMPONENT

Survey of American Lit (Area I) E 271 or 272	3
Intro to Multi-Ethnic Studies (Area II) SO 230	3
United States History (Area II) HY 151 or 152	3
Cultural Anthropology (Area II) AN 102	3
Mexican American Tradition & Culture in Elem Class TE 278	2
TOTAL	14

MATH/SCIENCE COMPONENT

Structure of Arithmetic for Teachers M 103	4
Geometry and Probability for Teachers M 104	4
Concepts of Biology (Area III) B 100	4

Electives (Choose 2 from Area III)	8
(One must be Physical or Earth Science: GO 100 or PS 100 recommended.)	

TOTAL

20

PROFESSIONAL COMPONENT

General Education Section

Elementary School Art Methods AR 321	3
Music Meth for Elem School Teacher MU 371	2
General Psychology (Area II) P 101	3
Child Psychology P 211	3
Elem School PE Methods PE 361	3
TOTAL	14

Teacher Education Section

Intro to Teach I: Class Observation TE 171	1
Foundations of Education (Area II) TE 201	3
Intro to Teach II: Instruc Experience TE 271	1
Teaching Beginning Developmental Reading K-3 TE 305	3
Teaching Developmental & Content Reading 4-6 TE 306	3
Childrens' Literature TE 316	3
Elementary Curric & Methods TE 451	6
Elementary Curric & Methods TE 452	6
Teaching Read & Lang Arts in Biling Class TE 453	2
Student Teaching in Elem Class TE 474, 475	10
TOTAL	38

Total Professional Component

52

ELECTIVES

Because of the need to prepare future teachers to teach in both bilingual and non-bilingual classrooms, it is recommended that elective classes be chosen from the following list:

- 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
- HY 261 History of Minorities in the U.S.
- HY 356 Indians in American History
- HY 365 History of Mexico
- P 220 Educational Psychology
- PO 101 American National Government
- S 203 Spanish for the Native Speaker
- S 385 La Gente Mexico Americano en los Estados Unidos
- S 425 Mexican American Literature
- SO 297 Sociolog Process of Mexican American People
- SO 305 Racial and Cultural Minorities
- TE 208 Introduction to Microcomputers in Education
- TE 291 Education of the Exceptional Child
- TE 358 Corrective Reading

BILINGUAL TEACHER TRAINING TOTAL HOURS130

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
Structure of Arithmetic for Teachers M 103	4
Concepts of Biology B 100	4
Cultural Anthropology AN 102	3
TOTAL	32

SOPHOMORE YEAR

Elective	3
Geometry and Probability for 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

College of Education

Elective (Area III)	4
United States History HY 151 or 152	3
Found of Teach English as 2nd Lang TE 202	2
Mex-Amer Tradition & Culture in Elem Class TE 278	2
TOTAL	31

JUNIOR YEAR

Elective	2
Elementary School Art Methods AR 321	3
Introduction to Language Study LI 305	3
Teaching 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
Childrens' Literature TE 316	3
Identif & Diagnos of LEP Child TE 322	2
Elem School Physical Education PE 361	3
Intro to Multi-Ethnic Studies SO 230	3
TOTAL	34

SENIOR YEAR

Elective	3
Applied Linguistics in Teach ESL LI 407	3
Methods of Teaching ESL TE 456	3
Elementary Curriculum & Methods TE 451	6
Student Teaching in Biling Elem Class TE 474-475	10
Elementary Curriculum & Methods TE 452	6
Teaching Read & Lang Arts in Biling Class TE 453	2
TOTAL	33

Total Hours 130

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, 1988, 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/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:

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

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

REQUIRED COURSES (30 Credit Hours)

Education of the Exceptional Child TE 291	3
Technology in Special Education TE 340	2

Teaching in Special Education TE 334	3
Teaching Mildly Handicapped Adolescents TE 335	3
Diagnosis of the Handicapped TE 430	3
Teach Read & Written Express to the Handicapped TE 431	3
Teaching Math and Language to the Handicapped TE 432	3
Behavior Intervention Techniques TE 450	3
Classroom Management Skills TE 457	2
Elementary Student Teaching in Special Education TE 473	5
TOTAL	30

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

Teaching the Severely Handicapped TE 423	3
Studet Teach in Classes for Severely Handicap TE 476	5

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

EARLY CHILDHOOD Emphasis

Required 16 credits:

Child Behav & Guidance in Early Childhd Educ TE 361	3
Curriculum in Early Childhd Education TE 362	3
Internship in Early Childhd Educ TE 293-493	2
Creag Materials in Early Childhd Educ TE 465	3
Elementary Student Teaching TE 471	5

Electives 5 credits:

Infant Education TE 463-463G	3
Diagnosis of the Handicapped TE 430	3
Children's Theatre TA 287	3
Human Growth and Motor Development PE 205	2

NOTE: This emphasis requires 21 credit hours, 5 of which (TE 361 and 471) apply to Elementary Education major.

Students will be recommended for the Kindergarten endorsement on their elementary teaching certificate if they complete the Early Childhood Area of Emphasis.

TOTAL	30
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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

Certification standards for the State of Idaho are listed in the Bulletin, *Idaho Certification Standards for Professional School Personnel-1985*, as prepared by the Idaho Department of Education.

Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of Baccalaureate degree including Education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education.
3. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the Department subject area specialization and the Department of Teacher Education. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and 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.

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:

	Alternatives	
	Single	Dual
*Intro to Second Teach: Classrm Obs TE 172	1	1
Foundations of Education TE 201	3	3
Educat Exceptional Second Students TE 333	1	1
*Educational Technology TE 356	2	2
Reading in Content Subjects TE 407	3	3
Educational Psychology P 220	3	3
Secondary School Methods TE 381	3	3
Special Methods required by Major Department	(varies by major)	
Junior High Studt Teach Dual Option TE 482	-	8
Senior High Studt Teach Dual Option TE 483	-	8
Junior High Studt Teach Single Option TE 484		
or	10	-
Senior High Studt Teach Single Option TE 485		
Total (not including special methods)	26	32

*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, page 115.

College of Education

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.

- Anthropology-Social Science, Secondary Education Option
- Art
- Biology
- Chemistry
- Communication
- Earth Science
- Economics-Social Science, Secondary Education Option
- English
- History
- History-Social Science, Secondary Education Option
- Mathematics
- Music
- Physical Education
- Physics
- Political Science-Social Science, Secondary Education Option
- Sociology-Social Science, Secondary Education Option
- Theatre Arts

A listing of the Boise State University minor certification endorsements is included for the convenience of students.

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	3
Cultural Anthropology AN 102	3
Peoples and Cultures of the World AN 311	3
Additional upper division Anthropology	12
TOTAL	21

Non-Social Science Major

Physical Anthropology AN 101	3
Cultural Anthropology AN 102	3
Introduction to Archaeology AN 103	3
Peoples and Cultures of the World AN 311	3
Additional upper division Anthropology	9
TOTAL	21

ART

Introduction to Art AR 103	3
Basic Design AR 105, 106	6
Drawing AR 111, 112	2
Painting AR 113, 114	2
2 hrs from Sculpt, Metals, Ceramics, Methods in Craft	2
Electives from 100-400 Regular Courses	7
Suggested Electives: Art History, Lettering, Photography, Printmaking, Weaving and those listed above.	
TOTAL	22

BIOLOGY

General Botany BT 130	4
General Zoology Z 130	5
Cell Biology B 301	3
Genetics & Lab B 343, 344	4
Elective course in Botany	4
Elective course in Zoology	3-4
TOTAL	23-24

CHEMISTRY

100 level General Chemistry Courses	8-10
Organic Chemistry Courses	5

Additional Courses in Analytical, Physical, Inorganic or Biochemistry	7
TOTAL	20-22

COMMUNICATION (Speech)

Fundamentals of Speech CM 111	3
Reasoned Discourse CM 112	3
Interpersonal Communication CM 221	3
Speech-Communication for Teachers CM 311	3
Methods of Teaching Communication CM 401	3
Electives selected from:	6
Mass Communication CM 171	3
Oral Interpretation CM 241	3
Communication in the Small Group CM 251	3
Interviewing CM 307	3
Message Analysis and Criticism CM 331	3
Non-Verbal Communication CM 341	3
Intercultural Communication CM 351	3
TOTAL	21

EARTH SCIENCE

Physical Geology GO 101	4
Historical Geology GO 103	4
Introduction to Oceanography GO 201	3
Introduction to Meteorology GO 213	3
Introduction to Descriptive Astronomy PH 105	4
Electives selected from:	3
Geology of Idaho & Pacific NW GO 213	3
Mineralogy GO 221	4
Geomorphology GO 313	3
Invertebrate Paleontology GO 351	3
Physics of the Earth GP 325	3
TOTAL	21

ECONOMICS

Principles of Macroeconomics EC 201	3
Principles of Microeconomics EC 202	3
Intermediate Microeconomics EC 303	3
Intermediate Macroeconomics EC 305	3
Upper Division Economics Courses	9
TOTAL	21

ENGLISH

Advanced Composition E 201	3
Linguistics	3
Survey of American Literature E 271 or 272	3
Teaching English Composition E 301 OR	
Methods of Teaching Secondary School English E 381	3
Lower Division Literature E 230, 235, 240, 260, 215	6
Upper Division Literature	6
Successful completion of secondary writing proficiency	0
TOTAL	24

FOREIGN LANGUAGE

French

Required 19 Credits:	
Elementary French F 101, 102	8
Intermediate French F 201, 202	8
Teaching Methodology in For Lang FL 412	3
Electives 3 credits:	
Advanced French F 303	3
Advanced French F 304	3
La Civilisation Francophone Moderne F 377	3
TOTAL	22

German

Required 19 credits:	
Elementary German G 101, 102	8
Intermediate German G 201, 202	8
Teaching Methodology in For Lang FL 412	3
Electives 3 credits:	
Advanced German G 303	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

Teaching Methodology in For Lang FL 412 3
 Electives 3 credits:
 Advanced Spanish S 303 3
 Advanced Spanish S 304 3
 Cultura y Civilizacion Hispanoamericano S 377 3
TOTAL 22

GEOGRAPHY

Introduction to Geography GG 101 3
 Cultural Geography GG 102 3
 Upper Division Geography (minimum) 6
 Additional Geography Courses (minimum) 8
TOTAL 20

HEALTH EDUCATION FOR NON-PHYSICAL EDUCATION MAJORS

Health Education PE 100 3
 Fitness Foundations PE 114 1
 Advanced First Aid PE 122 3
 First Aid Instr Training Course PE 123 1
 Health Prog: Meth & Adm PE 415 3
 Anatomy and Physiology Z 107 4
 Nutrition H 207 3
 Electives: Select two (6)
 Drugs, Use and Abuse H 109 3
 Human Sexuality P 261 3
 Consumer Health PE 405 2
TOTAL 24

HEALTH EDUCATION MINOR FOR PHYSICAL EDUCATION MAJORS

First Aid Instr Training Course PE 123 1
 Health Prog: Meth & Adm PE 415 3
 Nutrition H 207 3
 Electives: Select two (6)
 Drugs, Use and Abuse H 109 3
 Human Sexuality P 261 3
 Consumer Health PE 405 2
TOTAL 13

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

Add: Latin

MATHEMATICS

Programming Languages CS 122 or CS 126 2-3
 Calculus M 204 or M 211 5
 Calculus M 205 or M 212 4-5
 At least 1 of the following: 3-4
 Linear Algebra M 301 4
 Introduction to Abstract Algebra M 302 3
 Foundations of Geometry M 311 3
 Fundamentals of Statistics M 361 4
 Electives to complete 20 hours 3-6
TOTAL 20

MUSIC

Instrumental Track

Materials of Music MU 119, 120 8
 Ear Training MU 121, 122 2
 Introduction to Music MU 133 3
 Basic Conducting MU 261 1
 Orientation to Music Education MU 271 1
 1 year Applied Music 4
 1 year Major Performance Ensemble 2
 String Instrument Methods & Tech MU 257 2
 Woodwind Methods & Tech MU 266 2
 Instrumental Conducting MU 366 1
 Percussion Methods & Tech MU 368 2
 Brass Methods & Tech MU 369 2
 Band & Orchestra Methods & Materials MU 385 2
TOTAL 32

Choral Track

Materials of Music MU 119, 120 8
 Ear Training MU 121, 122 2

Vocal Techniques MU 256 3
 Basic Conducting MU 261 1
 Orientation to Music Education MU 271 1
 1 year Applied Music (Major Instrument) 4
 1 year Performance Ensemble 2
 1 year Applied Music (Voice or Piano) 4
 Choral Conducting MU 365 1
 Choral Methods and Materials MU 385 2
TOTAL 30

NATURAL SCIENCE

Complete the basic sequence of courses in
 BT 130 and Z 130 9
 Chemistry C 107, 108, 109, 110 9
 Geology GO 101, 103 8
 Physics PH 101, 102 8
TOTAL 34

PHYSICAL EDUCATION

then **Athletic Training Minor for Physical Education Majors**

Essen of Chemistry & Labs C 107-110 9
 Medical Terminology H 101 3
 Nutrition H 207 3
 Training Room Procedures PE 120 1
 Intro Athletic Injuries PE 236 3
 Internship-Athl Trgn PE 293 3
 Conditioning Procedures PE 313 2
 Psych/Soc Aspects of Activity PE 401 3
 Advanced Athletic Training PE 402 3
 Training Room Modalities PE 403 2
 Injury Evaluation PE 422 2
 Theory & Appl of Therapeutic Exercise PE 406 3
 Internship-Athl Trgn PE 493 3
 Fitness Testing PE 404 2
TOTAL 43

Coaching Endorsement for Non-Physical Education Majors

Anatomy & Physiology Z 107 or Z 111, 112 4-8
 Advanced First Aid PE 122 or equiv. 3
 Conditioning Procedures PE 313 2
 Psych/Soc Aspects of Activity PE 401 3
 Coaching, Nature of Profession PE 430 2
 Internship-Coaching Youth Sports PE 293 1+1
 Internship-Interscholastic Athletics PE 493 3
 Complete two Coaching Methods courses 4
 Coaching Baseball PE 250 2
 Coaching Basketball PE 251 2
 Coaching Football PE 252 2
 Coaching Women's Gymnastics PE 256 2
 Coaching Tennis PE 257 2
 Coaching Track & Field PE 258 2
 Coaching Volleyball PE 259 2
 Coaching Wrestling PE 260 2

Complete two skills courses that complement the desired

Coaching Methods courses 2
 Tumbling PE 115 1
 Sport Skills PE 117 1
 Volleyball PE 143 1
 Basketball PE 144 1
 Tennis FA 173 1
 Softball FA 182 1
 Track & Field PE 212 1
 Wrestling PE 217 1
TOTAL 25-29

Coaching Endorsement for Physical Education Majors

Two Coaching Methods Courses 4
 Two Youth Sport Internships PE 293 1+1
 Conditioning Procedures PE 313 2
 Psych/Social Aspects of Activity PE 401 3
 Coaching, Nature of Profession PE 430 2
 Internship-Interscholastic Sports PE 493 3
TOTAL 16

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

College of Education

Motor Programming for Special Programs PE 369	3
Elementary Student Teaching TE 477	3-6
TOTAL	13-16

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 100	3
Found of Physical Education PE 101	3
Internship in Elementary Physical Education PE 293	1
Human Growth & Motor Learning PE 306	3
Dance for Children PE 357	2
Elem School PE Methods PE 361	3
Motor Program for Special Populations PE 369	2
Elementary Student Teaching TE 477	3-6
Anatomy & Physiology Z 107 or Z 111, 112	4-8
TOTAL	28-31

PHYSICS (Physical Science)

General Physics PH 101, 102	8
Introduction to Descriptive Astronomy PH 105	4
Technical Drawing EN 101	2
or	2
Engineering Graphics EN 108	2-3
Computer Programming EN 104 or EN 107 or CS 122	5
Math Skill Equivalent to M 111	21-22
TOTAL	21-22

POLITICAL SCIENCE

American National Government PO 101	3
Contemporary Political Ideologies PO 141	3
Comparative European Governments & Politics PO 229	3
International Relations PO 231	3
American History HY 151, 152/251, 252	6
Political Science Electives (Upper Division)	3
TOTAL	21

PSYCHOLOGY

General Psychology P 101	3
Abnormal Psychology P 301	3
Statistical Methods P 305	3
Personality P 351	3
Psychology Upper Division Electives	9
TOTAL	21

SOCIOLOGY

Introduction to Sociology SO 101	3
Social Statistics SO 310	3
Social Research SO 311	3
History of Sociology SO 401	3
or	3
Current Sociological Perspectives SO 402	9
Sociology Electives	21
TOTAL	21

THEATRE ARTS

Technical Theatre TA 117, 118	8
Acting TA 215	3
Major Production Participation TA 331	1
World Drama TA 341, 342	3
Directing TA 491	3
Theatre History TA 421 or 422	3
TOTAL	21

Course Offerings

See page 20 for definition of course numbering system

FL FOREIGN LANGUAGE

NOTE: Most Foreign Language courses require a lab fee.

Upper Division

FL 412 TEACHING METHODOLOGY IN FOREIGN LANGUAGE (3-0-3). Discussion of problems and trends in language learning applied to practical activities, culture presentations, testing, teaching aids and resource materials. Practicum—visitations, developing teaching plans, presenting teaching units. PREREQ: Nine Upper Division credits in one language or PERM/DEPT. 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-pacing, taped programmed course which provides for practice in pronunciation, reading, writing, grammar analysis and conversation. One period of conversation practice per week required.

F 201, 202 INTERMEDIATE FRENCH (4-1-4)(F/S)(AREA I). These courses provide the environment to acquire competence to communicate in French. Students read selections from French literature and civilization. Students discuss and write in French. Format of the course: classroom instruction, practice in conversation and in A-V laboratories. PREREQ: F 102 or PERM/DEPT.

Upper Division

F 303 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course, conducted in French, provides the matrix for enlarging one's French vocabulary and structure, and for speaking and writing French fluently. There will be discussions of the practical realities of the French speaking world concentrating on the common and high frequency expressions of the language. Essays based on class discussion will be written regularly. PREREQ: F 202 or PERM/DEPT. Alternate years.

F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3). This course has similar objectives as F 303. Discussions and essays will concentrate on the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings, style imitations and personal essays. PREREQ: F 202 or PERM/DEPT.

F 328 LECTURES AVANCEES DE LA POESIE ET DE LA PROSE FRANCAISES (3-0-3). Selected unabridged works of great French authors, all genres, between 1715 to 1939, with emphasis on prose. May be repeated once for credit. PREREQ: F 202 or equivalent. Alternate years.

F 359 LES GRANDES OEUVRES CONTEMPORAINES (3-0-3). Representative unabridged selections of the works of major authors and thinkers of France and the French speaking world since the beginning of the Second World War; for example, Ayme, Beckett, Sartre, Camus, Levy-Strauss and Chardin among others. PREREQ: F 202 or equivalent. Alternate years.

F 376 LA CIVILISATION FRANCAISE HISTORIQUE (3-0-3). Studies in the development and expansion of French culture from pre-history to the French Revolution: history, politics, art, geography, literature, music and science; assessment of the contribution of French Civilization to the Western World. PREREQ: F 202 or PERM/DEPT. Alternate years.

F 377 LA CIVILISATION FRANCOPHONE MODERNE (3-0-3). Studies in modern French civilization since the end of the "ancient regime," the French Revolution; history, politics, art, geography, literature, music and science; assessment of France's contribution to the modern democracies. PREREQ: F 202 or PERM/DEPT. Alternate years.

G GERMAN

NOTE: Most German courses require a lab fee.

Lower Division

G 101, 102 ELEMENTARY GERMAN (4-1-4). Listening, speaking, reading and writing skills in cultural framework. May not enroll in G 101 for credit with more than one year of high school German or equivalent with PERM/INST. Students in G 102, lacking adequate preparation may drop back to G 101.

G 101-P, 102-P PROGRAMMED ELEMENTARY GERMAN (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.

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)(F). Major writers and periods provide samples from various genres and an overview of German literacy development. The course is intended to provide insights into literary craftsmanship. PREREQ: G 202 or equivalent as determined by placement examination and consultation.

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 present. Special attention paid to contributions of Germany, Austria and Switzerland to western civilization. Classes conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 410 APPLIED LINGUISTICS FOR THE GERMAN LANGUAGE TEACHER (2-0-2). Functional application of linguistic theory to foreign language teaching and learning practices. Analysis of ways in which traditional, descriptive, and transformational models deal with phonology, morphology and syntax. PREREQ: LI 305 and minimum of six credits upper division German and/or inservice teaching and/or equivalency as determined by placement test and interview. Alternate years.

G 415 AUFKLÄRUNG UND DER STÜRM UND DRANG (18th CENTURY) (3-0-3). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the "Storm and Stress". Selections from Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 425 DER TRAUM DER ANTIKE UND DIE TRAUMWELT (1700-1830) (3-0-3). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 435 REAKTION: LIBERAL UND KONSERVATIV (19th CENTURY) (3-0-3). Selections from a wide cross-section of 19th century German Literature: Buchner, the "Young Germans", Grillparzer, Heibel, Gottheif, Keller, Stifter, Storm, C.F. Meyer and others. PREREQ: G 331 or PERM/INST. Alternate years.

G 445 DIE MODERNE ZEIT BEGINNT (1890-1945) (3-0-3). "ism's," trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and Exile Literature. PREREQ: G 331 or PERM/INST. Alternate years.

G 455 "ALS DER KRIEG ZU ENDE WAR..." (1945-present) (3-0-3). Selections will be taken from the authors, essayists, dramatists and poets who have appeared on the scene since 1945 treating the war and post-war experience, and the human condition in the contemporary world. Austrian, East German, Swiss and West German writers. PREREQ: G 331 or PERM/INST. Alternate years.

G 465 RITTER UND BAUER, GOTT UND MENSCH (1150-1720) (3-0-3). Survey: Middle Ages, Renaissance, Reformation; Baroque. Selections from heroic and courtly epics. Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays; Angelus Silesius, Gryphius, Grimmshausen, etc. PREREQ: G 331 or PERM/INST. Alternate years.

G 475 DIE DEUTSCHSPRACHIGE WELT VON HEUTE (3-0-3). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or 377 or PERM/INST. Alternate years.

G 498 SENIOR SEMINAR (3-0-3). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. PREREQ: Senior standing or PERM/INST.

SEE HISTORY DEPARTMENT COURSE OFFERINGS FOR GREEK AND LATIN COURSE DESCRIPTIONS.

LS LIBRARY SCIENCE COURSES

Lower Division

LS 102 LIBRARY SKILLS I (0-2-1)(F/S). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library, in particular. Designed for incoming students who are not familiar with an academic library and for returning students who have had difficulty using the college library in the past. (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 school library and its place in the instructional 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 I). 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 explanation, interpretation and criticism, using as models some of the major works of Hispanic literature. PREREQ: S 202 or equivalent as determined by placement examination and consultation.

S 377 CULTURA Y CIVILIZACION HISPANOAMERICANA (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the Hispanoamerican nations, and their contributions to the western world. Discussions in Spanish; some readings in English. Papers required. PREREQ: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

College of Education

S 385 LA GENTE MEXICANA-AMERICANA EN LOS ESTADOS UNIDOS (3-0-3). Deals with the historical works of Mexican-Americans, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years. Readings and papers in Spanish and English required. PREREQ: S 304 or equivalent. Alternate years.

S 410 APPLIED LINGUISTICS FOR THE SPANISH LANGUAGE TEACHER (3-0-3). Applies the main concepts of modern linguistics to specific problems in the teaching of the Spanish language. Application of linguistic theory to foreign language teaching with emphasis on the analysis of ways in which traditional, descriptive, and transformational models deal with the system of language in the areas of phonology, morphology and syntax. PREREQ: LI 305 and six Upper Division credits of Spanish or equivalent. Alternate years.

S 411 ESPAÑOL AVANZADO (3-0-3). An advanced oral and written communication course for those who need extended training in expressing ideas. Special emphasis on prose, style, vocabulary building, appropriateness of idioms and figures of speech, with major fiction and non-fiction works used as examples. Frequent essays required. PREREQ: S 303 or S 304. Course is conducted in Spanish. Alternate years.

S 425 LITERATURA MEXICANA-AMERICANA (3-0-3). Representative writings by major Mexican-American authors, with emphasis on social and literary values. PREREQ: S 331 or PERM/INST. Alternate years.

S 435 LITERATURE CONTEMPORANEA ESPAÑOLA (3-0-3). Literature of ideas in contemporary Spain through major representative authors and works. Genesis of modern thought and new perspectives in today's Spain. PREREQ: S 331 or PERM/INST. Alternate years.

S 437 LITERATURE CONTEMPORANES HISPANOAMERICANA (3-0-3). Literature of ideas in contemporary Spanish-America through major representative authors and works. Genesis of modern thought and new perspectives in today's Hispanoamerica. PREREQ: S 331 or PERM/INST. Alternate years.

S 445 LITERATURE ESPAÑOLA: SIGLOS 18 Y 19 (3-0-3). The main manifestations of thought and literature from 1700 to 1900, including the periods of the Enlightenment, Realism and Romanticism. PREREQ: S 331 or PERM/INST. Alternate years.

S 447 LITERATURE HISPANOAMERICANA: SIGLO 19 (3-0-3). A detailed study of the representative movements, periods, works, and authors from 1800 to 1910. PREREQ: S 331 or PERM/INST. Alternate years.

S 455 EDAD DE ORO DE LA LITERATURE ESPAÑOLA (3-0-3). The main literary movements of the Golden Age in Spain (16-17th centuries), with emphasis on representative authors from each. PREREQ: S 331 or PERM/INST. Alternate years.

S 457 LITERATURE HISPANOAMERICANA: COLONIA Y SIGLO 18 (3-0-3). An introduction to the major authors, works, movements, and periods of the Spanish-American literature from the colonial time to the end of the 18th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 465 LITERATURE ESPAÑOLA MEDIEVAL Y RENACENTISTA (3-0-3). An introduction to the principal authors, works, movements and periods of Spanish literature, from its beginnings to the end of the 15th century. PREREQ: S 331 or PERM/INST. Alternate years.

S 475 EVENTOS CONTEMPORANEOS DE GENTES Y PAISES HISPANOHABLANTES (3-0-3). A lecture and discussion course based on current social, economic, cultural and political events faced by Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the people, viewpoints, and institutions, as well as the problems, issues and trends facing this people in their respective countries today. PREREQ: S 376 or S 377 or S 304 or PERM/INST.

S 498 SENIOR SEMINAR (3-0-3). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors with Liberal Arts emphasis. PREREQ: Senior standing or PERM/INST.

TE TEACHER EDUCATION

Lower Division

TE 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 students 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 lectures 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/SU). This course is designed to give the student a background in the psychological, linguistic, and cultural foundations of teaching English as a Second Language. The student also is given an overview of current trends in ESL and of the preparation needed to teach ESL.

TE 208 INTRODUCTION TO MICROCOMPUTERS IN EDUCATION (3-0-3). 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, punctuation, spelling, and language study appropriate to each grade level. The course will also include an introduction to writing instruction.

TE 271 INTRODUCTION TO TEACHING II: INSTRUCTIONAL EXPERIENCE (1-2-1)(F/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 with respect to its history and its influence on the contemporary American language, linguistics, dance, art, folklore, customs, beliefs, and institutions. Conducted in English. Offered in alternate years.

TE 291 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3). 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 requirements, 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 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 IDENTIFICATION & DIAGNOSIS OF LIMITED ENGLISH PROFICIENT (LEP) STUDENTS (2-0-2)(F/S/SU). Familiarizes future teachers with language proficiency tests. Instruments such as the Language Assessment Scales, Bilingual Syntax Measure, Basic Inventory of Natural Language, James Language Dominance Test, Peabody Picture Vocabulary Test are studied. Students will learn to administer and interpret the results of these and other tests so as to properly place students in a level of ESL study.

TE 333 EDUCATING EXCEPTIONAL SECONDARY-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). The course is designed to provide the special education teacher an insight into and understanding of

instruction of the handicapped. Topical presentations and activities include legal and educational implications, consulting and counseling with parents and professionals, utilization of school and community resources, professional publications and organization. PREREQ: TE 291.

TE 335 TEACHING MILDLY HANDICAPPED ADOLESCENTS (3-0-3)(S). Five topical areas related specifically to mildly handicapped adolescents will be examined. These are: Assessment procedures, eligibility criteria, service delivery options, intervention techniques, and instructional strategies. PREREQ: TE 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 audio-visual equipment, television, and computers. Students will learn to prepare visual materials. Lab fee required.

TE 358 CORRECTIVE READING (3-0-3)(S/SU). A study of reading difficulties of elementary or secondary school pupils with emphasis upon diagnosis, and upon materials and methods of teaching. Opportunity is offered to consider learning disabilities related to ethnic and cultural differences by tutoring an elementary or secondary school pupil for approximately 20 sessions. PREREQ: TE 305.

TE 361 CHILD BEHAVIOR AND GUIDANCE IN EARLY CHILDHOOD EDUCATION (3-0-3)(F). The influence of the home and school environments will be examined in relation to child behaviors. Social and emotional areas of development will be emphasized. Parent and teacher manuals will be examined in relation to theories and appropriateness in managing young children's behavior. PREREQ: P 101.

TE 362 CURRICULUM IN EARLY CHILDHOOD EDUCATION (3-0-3)(S). The preschool-primary curriculum will be examined in relation to readiness and academic skill development. An understanding of effective communications and conferring skills with parents will be emphasized. A variety of early childhood settings will be visited. 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 201, Admission to Teacher Education.

TE 384 SECONDARY SCHOOL SCIENCE METHODS (3-0-3)(S). This course provides the theoretical and practical background for science instruction at the secondary level. Emphasis 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)(S). This course will examine effective methods for teaching secondary social studies. Curriculum organized either by a general social studies format or by a single social science discipline or history will be studied and effective teaching strategies will be identified, analyzed and practiced. 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 school's role in safety relative to other 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 skills in 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 PERM/INST. 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/S). Curriculum and methods in language arts, mathematics, social studies, and science are investigated. Students develop skills in using media and technology as aids to instruction. The emphasis is on methods and materials appropriate to the developmental stages of school children (K-8). PREREQ: TE 451. 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 methods of teaching ESL, such as the Audio Lingual, Cognitive, Situational Response, Silent Way approaches, etc. Individualized instruction, small group instruction and learning centers are major areas of discussion. PREREQ: TE 221, 322.

TE 457 CLASSROOM MANAGEMENT SKILLS (2-0-2)(F/S). This course will provide prospective elementary and special 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 311, P 325.

TE 463-463G INFANT EDUCATION (3-0-3)(SU). Odd-numbered years. The physical, social, emotional, and intellectual development of the infant—age birth to three—will be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development.

TE 465 CREATING MATERIALS IN EARLY CHILDHOOD EDUCATION (3-0-3)(S/SU). Students will become familiar with a variety of classroom materials. They will design and make materials that are best suited to meet the objectives of their 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 (0-20-5)(F/S). Observation and supervised teaching. PREREQ: Approval of an application for student teaching. (Pass/Fail).

TE 472 ELEMENTARY STUDENT TEACHING (0-20-5)(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).

College of Education

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)(S). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. PREREQ: S 202, TE 453, TE 454. (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 423, 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) (F/S). Supervised student teaching 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/S). 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/S). 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 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 a 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 489 SEMINAR: CONFLICT IN THE EDUCATIONAL SYSTEM (2-0-2). An interdisciplinary social science approach to practical educational considerations raised by authority, communication, culture, language, social stratification, personality differences, and other sources of conflict in education.

Graduate

(See Graduate 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/SU).

TE 503 CLINIC FOR READING SPECIALISTS (3-0-3)(S).

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(F/SU).

TE 505 INDIVIDUAL TEST AND MEASUREMENTS (3-0-3)(S).

TE 508 DIAGNOSIS AND CORRECTION OF READING PROBLEMS—SECONDARY (3-0-3)(S/SU).

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 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3)(S).

TE 520 VIDEO DELIVERY SYSTEMS (3-0-3)(Demand).

TE 522 INDIVIDUALIZATION OF READING INSTRUCTION (3-0-3)(S/SU).

TE 523 THE EMOTIONALLY IMPAIRED CHILD IN THE CLASSROOM (3-0-3)(F/SU).

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 537 INSTRUCTIONAL DESIGN (3-0-3)(F/S).~~

TE 538 INSTRUCTIONAL COURSEWARE DESIGN (3-0-3)(F).

~~TE 539 ARTIFICIAL INTELLIGENCE APPLICATIONS (3-0-3)(S).~~

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/SU).

TE 561 SCHOOL LAW FOR THE CLASSROOM TEACHER (1-0-1)(SU).

TE 562 SCHOOL ORGANIZATION AND FINANCE (1-0-1)(SU).

TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(SU).

TE 564 INSTRUCTIONAL TECHNIQUES—SECONDARY SCHOOLS (1-0-1)(SU).

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(SU).

TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(SU).

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(SU).

TE 569 TESTING AND GRADING (1-0-1)(SU).

TE 570 GRADUATE CORE—ISSUES IN EDUCATION (3-0-3)(SU).

TE 573 INSTRUCTIONAL TECHNIQUES—ELEMENTARY SCHOOL (1-0-1)(SU).

TE 581 CURRICULUM PLANNING AND IMPLEMENTATION (3-0-3).

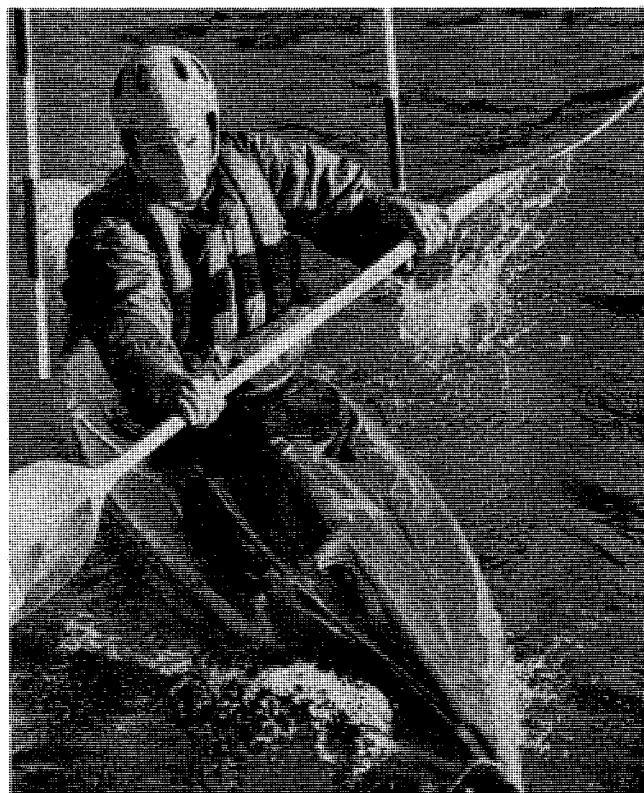
TE 582 INSTRUCTIONAL THEORY (3-0-3).

~~TE 583 SELECTED TOPICS—INSTRUCTIONAL TECHNOLOGY (3-0-3)(Demand).~~

TE 590 PRACTICUM IN SPECIAL EDUCATION (3-0-3)(F/S).

TE 591 PROJECT (0-V-6).

TE 593 THESIS (0-V-6).





College of Health Science

Dean: Eldon Edmundson, Ph.D.
Telephone (208) 385-1678

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 life-long service and training.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. 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 school 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/Mountain States Tumor Institute, Boise, Idaho
- St. Mary's School, Boise, Idaho
- Treasure Valley Manor, Boise, Idaho
- Walter Knox Memorial Hospital, Emmett, Idaho
- West Valley Medical Center, Caldwell, Idaho
- YWCA (Battered Women's Unit), Boise, Idaho
- Veterans Administration Medical Center, Boise, Idaho

University/Community Health Sciences Association, Inc.

The University/Community Health Sciences Association, Inc., is a non-profit corporation chartered by the State of Idaho for educational and charitable purposes, and to otherwise serve the University.

College of Health Science

The objectives of the Association are to promote optimum health services for the community through excellence in health professional education, to promote the growth and development of the College of Health Science of Boise State University and its constituent educational programs, departments, and activities, and to encourage donations of funds and gifts to assist in carrying out these objectives.

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

Donald L. Pape, D.D.S., President
Mr. James A. Goff, Vice President
Maria Eschen, R.N., Secretary
Charles Robertson, M.D., Treasurer

Chris Anton	John Hutchinson
David M. Barton, M.D.	Grant Kapp
James Blackman, M.D.	John H. Keiser, Ph.D.
Maurice M. Burkholder, M.D.	Loyd Kepferle
Joe Caroselli	Edith Miller Klein, J.D.
Mrs. Bernice B. Comstock	Jack Peterson
Edwin Dahlberg	Dorothy Reynolds
Mrs. Lucy Daines	Larry Selland, Ph.D.
Victor H. Duke, Ph.D.	Don Sower
Eldon H. Edmundson, Ph.D.	W. E. Watkins, M.D.

Ex-officio Directors: Presidents of Ada County Medical Society; District 31 of Idaho Nurses Association.

Information may be obtained by contacting the Dean of the College of Health Science at (208) 385-1678.

Department of Community and Environmental Health

Technology Building, Room 338 Telephone (208) 385-3929

Chairperson and Associate Professor: Elaine M. Long; Associate Professor: Lee W. Stokes.

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
- General Health Science Studies
 - Employment with public health planning agencies
 - Attend a graduate school in various science disciplines
 - Attend a health professional school in Medicine or other health discipline
 - Attend Medical or Medical Technology school.
 - Employment with pharmaceutical companies.
 - Employment with community clinics and hospitals.

Faculty in the department also advise students who are interested in a health care career but have not yet decided which discipline to enter.

The Department of Community and Environmental Health is affiliated with local, state and federal health agencies throughout the State in order to provide field training.

Special Information for Students

Environmental Health

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

Advisors: Ashworth, Elison, Long.

The Bachelor of Science degree in Health Science Studies provides a curriculum for students who wish to gain an education in Health Science Studies as a foundation for additional professional or graduate work in several health science professions, (For example: Medicine, Dentistry, Hospital Administration, Medical Technology). Employment with public health agencies or institutions is also an option. Undecided Health Science majors can use the curriculum to obtain the beginning courses until they decide on a major. Those students should work closely with their advisor to ensure that proper beginning courses are taken to meet these other degree requirements.

Pre-Dietetics Program

Advisor: Long

Boise State University does not offer a Bachelor of Science degree in Dietetics. However, Boise State University faculty will advise students who want to take the basic courses at Boise State and transfer to another university to complete the Bachelor of Science requirements.

Degree Requirements

ENVIRONMENTAL HEALTH Bachelor of Science Degree

1. General Requirements	30
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 EH 415 3
 Epidemiology H 480 3
 Technical Writing E 202 3
 Communication in Small Group CM 251
 or 3
 Conflict Resolution SO 390 or CM 390
 4. Suggested Electives 12
 Pathogenic Bacteriology B 310 4
 Human Physiology Z 401 4
 Economics EC 201 3
 Bioecology B 423 4
 Parasitology B 412 4
 Management & Organizational Theory MG 301 3
 Physical Geology GO 101 4
 State & Local Government PO 102 3
 Statistics M 361 3
 American National Government PO 101 3
 Intro Computer in Health Science H 120 2
 Seminar H 498-499 1

HEALTH SCIENCE
Bachelor of Science Degree

1. English Composition E 101, 102 6
 2. Area I Core Requirements 12
 3. Area II Core Requirements 12
 4. Area III Core and Science Requirements 22-23
 College Chemistry C 131-134
 or 9
 Essentials of Chemistry C 107-110 5
 Mathematics M 111 5
 General Zoology & General Botany Z 130 & BT 130
 or 8-9
 Human Anatomy & Physiology Z 111, 112
 5. Health Science Requirements 16
 Intro to Computers in Health Science H 120 2
 Health Delivery Systems H 202 3
 Nutrition H 207 3
 Intro to Health Law and Ethics H 213
 or 2
 Public Health Law H 435
 Epidemiology H 480 3
 Preprofessional Internship H 493 2
 Seminar H 498-499 1

NOTE: 34 Upper Division Credits must be included from either Health Science Electives, Area of Emphasis or Electives.

6. Health Science Electives (3 courses) 9-10
 Medical Terminology H 101 3
 Drugs: Use and Abuse H 109 3
 Disease Conditions I and II H 211, 212 3-6
 Assessment of Alcohol & Drug Prob Part I H 214/414 3
 Cardiopulmonary Renal Physiology H 220 4
 Pathophysiology H 300 4
 Public Health Administration H 304 3
 Applied Pharmacotherapeutics H 306 3
 7. Emphasis—Select one—Science or General Health
 Science 39-41
 Students should work closely with their advisors to ensure
 proper selection of courses and completion of specific course
 prerequisites.
 a. Science Emphasis* (Natural/Physical/and Mathematics)—
 select courses to total 39-41 credits:
 Microbiology or Bacteriology B 205, B 303 4-5
 Cell Biology B 301 3
 Pathogenic Bacteriology B 310 4
 Genetics B 343, 344 3-4
 Parasitology B 412 3
 Immunology B 420 3
 Quantitative Analysis & 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
 Mathematics M 204 5
 Statistics M 120 4

A First Course in Programming CS 122 2
 General Physics PH 101, 102 8
 Biophysics PH 207 4
 Comparative Anatomy Z 301 4
 Vertebrate Embryology Z 351 4
 Histology Z 400 4
 Physiology Z 401 or 409 4
 Or other courses as approved by the advisor 1

b. General Health Science Emphasis—
 select courses to total 39-41 credits:
 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
 Mathematics M 204 5
 Statistics M 120 or P 305 3-4
 General Physics PH 101, 102 8
 Prin of Economics EC 201, 202 3-6
 Accounting AC 205, 206 3-6
 Fund of Speech Comm CM 111 3
 Communication in the Small Group CM 251 3
 American National Government PO 101 3
 State & Local Government PO 102 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
 Personnel Administration MG 305 3
 Applied Anatomy PE 230 3
 Exercise Physiology PE 310 3
 Kinesiology PE 311 3
 Psychology P 101 3
 Educational Psychology P 220 3
 Intro to Sociology SO 101 3
 Social Problems SO 102 3
 Sociology of Aging SO 325 3
 Sociology of the Family SO 340 3
 Or other courses as approved by the advisor

8. Electives 9-12

*Students who intend to apply to colleges of Medicine, Dentistry or Veterinary Medicine should consider taking C 317-320 and M 204.

Recommended Programs

ENVIRONMENTAL HEALTH

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
General Psychology P 101	3	-
College Chemistry C 131-134	4	5
General Botany BT 130	-	4
Mathematics M 111 or 204	5	-
Electives (Area I)	-	3
	15	15
SOPHOMORE YEAR		
General Zoology Z 130	5	-
Math (Statistics) M 120	-	4
Intro Sociology SO 101	3	-
Fund of Speech Communication CM 111	-	3
Electives (Area I)	3	3
Elective (Area II)	-	3
Physics PH 101, 102	4	4
Environmental Health Practicum EH 160	1	-
	16	17
JUNIOR YEAR		
Organic Chemistry C 317-319	5	-
Cell Biology B 301	-	3
CM 251 OR CM 390/SO 290	3	-
Technical Writing E 202	-	3
Electives (Area I)	3	-
Elective	3	3
*Professional Requirements (EH & H courses)	9 OR 10	32 OR 33

College of Health Science

SENIOR YEAR

Bacteriology B 303	5	-
Entomology Z 305	4	-
Applied and Environmental Microbiology B 415....	-	4
Environmental Health Internship EH 493	4	-
Electives	3	3
*Professional Requirements (EH & H courses)	9OR 10	
	14-15	15-16

*Course schedules vary during Junior/Senior years due to alternate year offerings of EH and H courses.

HEALTH SCIENCE

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102	3	3
Chemistry C 107-110 or C 131-134	4	5
Mathematics M 111	5	-
Area I Core Electives	3	3
Area II Core Electives	-	6
	15	17

SOPHOMORE YEAR

General Botany & General Zoology BT 130-Z 130... or	4	5
Human Anatomy & Physiology Z 111, 112	4	4
Area I Core Electives	3	3
Area II Core Electives	3	3
Intro to Computers in Health Science H 120	-	2
Health Delivery Systems H 202	3	-
Nutrition H 207	3	-
Health Science Electives	-	3
	16	15-16

JUNIOR YEAR

Introduction to Health Law and Ethics H 213 or	2	-
Public Health Law H 435	-	3
Health Science Electives	-	3
Courses in Emphasis	-12	9-10
Electives	3	3
	17	15-16

SENIOR YEAR

Epidemiology H 480	-	3
Preprofessional Internship H 493	-	2
Seminar H 498 or 499	1	-
Health Science Elective	3	-
Course in Emphasis	9-10	9
Electives	3	3
	16-17	17

PRE-DIETETICS PROGRAM

FRESHMAN YEAR

	1st SEM	2nd SEM
Essentials of Chemistry C 107, 108, 109, 110	4	-
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111, 112	4	4
Psychology P 101	3	-
Sociology SO 101	-	3
Area I Elective	3	-
	17	15

SOPHOMORE YEAR

Nutrition H 207	3	-
Principles of Food Preparation H 209	-	4
Math M 108	4	-
Microbiology B 205	-	4
Technical Writing E 202	-	3
Cultural Anthropology AN 102	-	3
A First Course in Programming CS 122	-	2
Economics EC 201 or 202	3	-
Statistics PR 207	3	-
Sociology of the Family SO 340	3	-
	16	16

Course Offerings

See page 20 for definition of course numbering system

EH ENVIRONMENTAL HEALTH

Lower Division

EH 160 ENVIRONMENTAL HEALTH PRACTICUM (0-V-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 380 AIR QUALITY MANAGEMENT (2-0-2)(F). Chemical, engineering and management principles of community and industrial air quality control. PREREQ: Organic Chemistry or concurrent enrollment. Odd-numbered years.

EH 415 OCCUPATIONAL SAFETY AND HEALTH (2-3-3)(S). Recognition, evaluation and control of environmental health hazards or stresses (chemical, physical, biological) that may cause sickness, impair health, or cause significant discomfort to employees or residents of the community. PREREQ: Physics 101-102 and Organic Chemistry or concurrent enrollment. Even-numbered years.

EH 442-442G HAZARDOUS WASTE MANAGEMENT (2-0-2)(S). Historical, regulatory and technical aspects of hazardous waste management, relating primarily to the requirements of the Resource Conservation and Recovery Act and the Comprehensive Environmental Reclamation, Compensation and Liability Act.

EH 493 ENVIRONMENTAL HEALTH INTERNSHIP (0-V-V)(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, physiological and pathological terms, clinical procedures, abbreviations, and lab tests according to systems of the body. Medical terminology is treated as a medical language and clinical application is stressed.

H 109 DRUGS: USE AND ABUSE (3-0-3)(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 (1-2-2)(F/S). The application of word processing, data base management, spread sheet analysis, and graphical presentation of health science information. The acquisition of information on selected topics requiring the use of microcomputers in health science specialties. Special fee required.

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). 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 HEALTH CARE PERSONNEL (1-0-1)(F). Nursing skills as they pertain to individuals working in a health care setting, to include collecting patient vital signs, body positioning and mechanics, medical and surgical asepsis, and medication preparation. PREREQ: PERM/INST.

H 207 NUTRITION (3-0-3). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Previous or concurrent enrollment in C 107-108 and Z 111 is suggested.

H 209 PRINCIPLES OF FOOD PREPARATION (2-6-4)(S). Interrelationships of the nutritive value of foods, principles of food preparation, and the human body. Approved techniques of food preparation to retain nutrients and enhance palatability, food safety sanitary practices, and food management will be stressed. PREREQ: or COREQ: H 207. Odd-numbered years.

H 211-212 DISEASE CONDITIONS I AND II (3-0-3)(F/S). Introduction to the general principles of disease. Etiology, signs, symptoms, treatment and management of diseases that affect individual organs in the various body systems. PREREQ: H 101. Sequence beginning fall semester.

H 213 INTRODUCTION TO HEALTH LAW AND ETHICS (2-0-2)(F). A broad introduction to the basic legal and ethical concepts considered to be essential in the care of clients by health providers. A foundation course for instruction in the specialized application of this content in the students' major health care disciplines.

H 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.

H 215/415 ASSESSMENT OF ALCOHOL AND DRUG PROBLEMS, PART II (3-3-4)(S). Clinical application of concepts and principles presented in Part I. Students will practice techniques of assessment/diagnosis of alcohol/drug problems. Limited enrollment. PREREQ: H 214/414.

H 216 LABORATORY VALUES (1-0-1)(F). Introduction to the clinical significance of selected laboratory tests. PREREQ: PERM/INST.

H 220 CARDIOPULMONARY RENAL PHYSIOLOGY (3-0-3)(F). Normal and clinical physiological functions of the pulmonary, circulatory and renal systems. PREREQ: Z 111-112.

Upper Division

H 300 PATHOPHYSIOLOGY (4-0-4)(F). Emphasis on dynamic aspects of human disease. Disruption of normal physiology and alterations, derangements, and mechanisms involved. PREREQ: C 107-108 or equivalent and Z 111-112 or equivalent.

H 304-304G PUBLIC HEALTH ADMINISTRATION (3-0-3)(F). Functions of local, state and federal health agencies, and factors which have an impact on agency programs. Those students registered for graduate credit will complete extra work. PREREQ: Upper Division standing and health science major or PERM/INST. Even-numbered years.

H 306 APPLIED PHARMACOTHERAPEUTICS (3-0-3)(S). Emphasis on use of drugs in relation to health and illness in any setting, on legal aspects, and on patient education. Students will be expected to use prerequisite information in pathophysiology to study drugs and their intersystem relationships. PREREQ: H 300; 6-8 credits each Chemistry and Human Anatomy and Physiology; clinical background as a health student or professional.

H 410 HEALTH AND AGING (3-0-3)(F). Course will focus on major health problems and issues of the elderly. It will include discussion of: 1) the continuity of care for the older person; 2) the organizations and personnel providing care; and 3) the agencies involved with licensure, certification, or other types of regulations for care providers. The course will include some discussion of non-traditional health centers for the older person, e.g., worksite, community social organizations, and senior centers. PREREQ: SO 325, P 313, B 300 or PERM/INST.

H 435-435G PUBLIC HEALTH LAW (2-0-2)(S). A study of public health legislation, including the implementation and enforcement of such laws, and specific duties of agencies regarding selected sections of the law. Those students registered for graduate credit will complete extra work. PREREQ: Upper division standing or PERM/INST. Odd-numbered years.

H 480-480G EPIDEMIOLOGY (3-0-3)(S). Study of the distribution of disease or physiological conditions of humans; and of factors which influence this distribution. Those students registered for graduate credit will complete extra work. PREREQ: Upper division status, health science major or PERM/INST, statistics desirable. Odd-numbered years.

H 493 PREPROFESSIONAL INTERNSHIP (1-3-2)(F/S). Three hours of internship in a clinical setting under direction of a preceptor who is a practicing professional. Student keeps a record of experiences and discusses them at a weekly one-hour seminar. PREREQ: H 202; Upper Division standing, cumulative GPA above 3.25; recommendation of faculty advisor; consent of instructor. (Pass/Fail).

H 498-499 SEMINAR (1-0-1 or 2-0-2)(F/S). Presentation of selected health science topics under faculty direction. 1 or 2 credits.

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 Technology 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 insure 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 MR, must be repeated and raised to C or higher before continuing in the program.

Required Program

**MEDICAL RECORD TECHNOLOGY PROGRAM
Associate of Science Degree**

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Human Anatomy & Physiology Z 111, 112	4	4
Introduction to Allied Health H 100	1	-
Area III Core Elective	4	-
Medical Terminology H 101	3	-
Introduction to Medical Records MR 115	-	3
Area II Core Elective	-	3
Computers in Health Care H 120	-	2
	15	15
SOPHOMORE YEAR		
Medical Records I MR 201, 202	5	-
Diagnostic and Operative Coding MR 207	3	-
Disease Conditions I H 211	3	-
Health Delivery Systems H 202	3	-
Introduction to Health Law & Ethics H 213	2	-
Medical Records II MR 203, 204	-	5
Health Record Transcription MR 209	-	2
Health Data MR 205	-	3
Disease Conditions II H 212	-	3
Area I Core Elective	-	3
	16	16

Department of Medical Record Science

Health Sciences Building Telephone (208) 385-1130

Chairperson, Assistant Professor: Patt Elison; Associate Professor: Seddon

College of Health Science

After the successful completion of the professional year at BSU, students will have a three week period of directed practice in an affiliated health facility.

Clinical Practice MR 2152

Course Offerings

See page 20 for definition of course numbering system

MR MEDICAL RECORDS

Lower Division

MR 115 INTRODUCTION TO MEDICAL RECORDS (3-0-3)(S). Principles of Medical Record Technology, the professional organizations, medical record practitioners, and the content of the hospital chart.

MR 201 MEDICAL RECORDS I (3-0-3)(F). Preparation, analysis, preservation and retrieval of health information manually and by computer. The value of this information to the patient, the doctor, and the community. PREREQ: MR 115. COREQ: MR 202.

MR 202 MEDICAL RECORDS I LABORATORY (0-4-2)(F). Practice in the various methods of numbering, filing, and retrieving health records manually and by computer. COREQ: MR 201.

MR 203 MEDICAL RECORDS II (3-0-3)(S). 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 (0-4-2)(S). Applications in quality assurance, management, and communication principles. Observation of record keeping practices in non-hospital settings and continued computer activities. COREQ: MR 203.

MR 205 HEALTH DATA (3-0-3)(S). Collection and presentation of routine data for daily, monthly and annual hospital statistical reports. Formulas, preparation of birth certificates and abstracting data for the computer. PREREQ: PERM/INST.

MR 207 DIAGNOSTIC AND OPERATIVE CODING (3-0-3)(F). Principles and practice in coding diseases and operations according to International Classification. Other systems of coding and methods of indexing included. PREREQ: PERM/INST.

MR 209 HEALTH RECORD TRANSCRIPTION (0-4-2)(S). Machine transcription of histories, physical examinations, operations, and other medical dictation. Typing ability is required. PREREQ: H 101.

MR 215 CLINICAL PRACTICE (0-V-2). Following completion of all other program requirements, students spend 120 hours in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology. (Pass/Fail).

Department of Nursing

Science/Nursing Bldg., Rm. 107

Telephone (208) 385-3907

Associate Dean/Chairperson and Associate Professor: Dr. Anne Payne; *Associate Degree Faculty: Associate Professors:* Fountain, Wilcox; *Assistant Professors:* Bledsoe, Henbest, MacDonald, Nelson, Peterson; *Instructors:* Leahy, Pomerance, Springer; *Special Lecturers:* Carey, Irving. *Bachelor of Science Faculty: Professor:* Vahey; *Associate Professors:* Carpenter, Matson, Murray, Taylor; *Assistant Professors:* Callaghan, Farnsworth, Gehrke, Martin, Otterness, Shelley, Springer, Straub.

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 an upper division, professional nursing program leading to a Bachelor of Science degree. In addition, there is a four-year program leading to the first professional degree. Both programs are approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

Description of the Associate of Science Program is presented in the following section. The Bachelor of Science Program is presented on page 133.

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.

The curriculum includes courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Content is focused on the identified health needs of all individuals. A planned program of clinical practicum in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

Advisement: The Associate of Science Degree may be completed in four 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

Students enter the Associate of Science in Nursing Program in the fall semester. The number of students admitted each year depends upon the availability of personnel and clinical resources in the community.

The number of students that can be admitted to the program is limited. All high school or 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. 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.

Applicants must meet the general University requirements as well as the stated requirements for the Associate of Science in Nursing Program in one of the categories listed below:

1. Applicants who have completed less than 6 semester credit hours of required general education courses* will be selected on the basis of their high school grade-point average (GPA) or GED and ACT or SAT scores. To be eligible for consideration the applicant must have:
 - a. A high school grade point average of 2.50 or above or a GED score of 50, and
 - b. an ACT or SAT test score.

Applicants who have earned 6 or more semester credits in required general education courses* are evaluated on their college GPA. To be eligible for consideration students must have earned a minimum of 2.50 GPA with a "C" or better in required general education courses.

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. Admission is always dependent upon availability of space in the courses the applicant needs for completion of the program.

Completed applications are reviewed after March 1, and the class is selected from applicants who meet minimum qualifications, by rank of GPA. Those applicants selected will be notified by May 1.

A second review of all remaining applicants, and completed applications received after May 1, occurs in June. Any vacancies that have occurred in the class since March 30 will be filled from applicants who meet minimum qualifications. These applicants will be selected by rank of GPA.

A last review of all remaining applications and any completed applications submitted since June occurs in August. Any vacancies that have occurred will be filled at this time from applicants who meet minimum qualifications. These applicants will be selected by rank of GPA.

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.**"

*E 101, 102; C 107, 108; H 207; P 101; SO 101; Z 111, 112; B 205.

**Section 54-1412 Idaho Nurse Practice Act, 1984, pp. 9-10.

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 of 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

FIRST YEAR	1st	2nd
	SEM	SEM
*Essentials of Chemistry C 107, 108	4	-
*Nutrition H 207	-	3
*Human Anatomy & Physiology Z 111, 112	4	4
*General Psychology P 101	3	-
Fundamentals of Nursing I & II NA 100-102	6	7
*English Composition E 101	-	3
	17	17
SECOND YEAR		
Microbiology B 205	4	-
English Composition E 102	3	-
Introduction to Sociology SO 101	-	3
Elective	-	3
Nursing Intervention I & II NA 200-202	9	10
	16	16

*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 (3-9-6)(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)(S). 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)(S). Designed to assist the student in transition from one role in nursing to another. Content focuses upon basic nursing concepts, changing nursing roles and issues, and challenge examinations for advanced placement.

NA 200 NURSING INTERVENTION I (4-15-9)(F). Develop concepts presented in first year courses. Focuses on coping with changes in biopsychological health status of individuals and families from pre-natal through late 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)(S). 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. 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 108 or above
 - 4) English Composition E 101, 102
 - 5) Human Anatomy and Physiology Z 111, 112
 - 6) Medical Terminology H 101
 - b. Have a minimum 2.50 cumulative grade point average.
3. For advanced placement for Registered Nurses, applicants must complete the following additional courses or examinations with a grade of "C" or better.
 - a. Microbiology 3-4 credits
 - b. Nutrition 2-3 credits
 - c. Nursing Placement Examinations

Applicants are to contact the Department of Nursing for academic advisement and detailed information on application procedure.

Degree Requirements

Suggested Curriculum Sequence for BACHELOR OF SCIENCE Full-Time Nursing Student*

FIRST YEAR	1st	2nd
	SEM	SEM
English Composition E 101, 102	3	3
College Chemistry C 107-110/131-134 (Area III Core)	4	5
Medical Terminology H 101	3	-
General Psychology P 101 (Area II Core)	3	-

College of Health Science

Mathematics M 108 or above.....	-	4	
Human Anat & Phys Z 111, 112 (Area III Core).....	4	4	
	17	16	

SECOND YEAR

Microbiology B 205.....	4	-	
Pathophysiology H 300.....	4	-	
Applied Pharmacotherapeutics H 306.....	-	3	
Nutrition H 207.....	3	-	
Elective (Area I Core).....	-	3	
Intro Sociology SO 101 (Area II Core).....	-	3	
Computer Course H 120, TE 208, CS 109 or IS 310.....	-	2-3	
Introduction to Professional Nursing NU 204.....	2	-	
Nursing & Health Promotion NU 210.....	-	3	
Nursing & Health Promotion Lab NU 211.....	-	3	
Health Assessment NU 208.....	2	-	
Health Assessment Lab NU 209.....	1	-	
	16	17-18	

THIRD YEAR

Nursing of the Childbearing Family NU 312 or Mental Health/Illness Nursing NU 316.....	2	2	
Nursing of the Childbearing Family Lab NU 313 or Mental Health/Illness Nursing Lab NU 317.....	2	2	
Upper Division Statistics Course P 305 or SO 310.....	3-4	-	
Introduction to Nursing Research NU 392.....	-	3	
Elective (Area I Core).....	-	3	
Elective (Area II Core).....	3	-	
Chronic & Rehab Nursing NU 314.....	4	-	
Chronic & Rehab Nursing Lab NU 315.....	3	-	
Acute Care Nursing NU 318.....	-	4	
Acute Care Nursing Lab NU 319.....	-	3	
	17-18	17	

FOURTH YEAR

Community Health Nursing NU 418.....	3	-	
Community Health Nursing Lab NU 419.....	3	-	
Elective (Area II Core).....	-	3	
Elective (Area I Core).....	6	-	
Professional Issues NU 434.....	-	3	
Nursing Elective.....	2	-	
Nursing Leadership NU 438.....	-	3	
Nursing Leadership Lab NU 439.....	-	3	
	14	14	

Total Credit Hours: 128-129

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 will be granted advanced placement in the curriculum above.

Course Offerings

See page 20 for definition of course numbering system

NU NURSING COURSES

Lower Division

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 process 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 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/S). 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 cofacilitation of therapeutic groups across the life span. COREQ: NU 316.

NU 318 ACUTE CARE NURSING (4-0-4)(S). 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)(S). 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 418.

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 418. COREQ: NU 439.

NU 439 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 PERM/INST.

NU 470 PRINCIPLES AND PRACTICES OF SCHOOL NURSING (3-0-3)(F/S). Application of the principles and practices of community health nursing to the organization, administration, and legal aspects of school health programs. (Meets Idaho Certification Standards for Professional School Personnel.) PREREQ: Current enrollment as Senior nursing major or PERM/INST.

NU 472 NURSING CARE OF THE ADULT IN THE WORKPLACE (3-0-3)(F/S). Exploration of nursing concepts essential to promotion of health and prevention of illness/accidents in the occupational setting; roles, and responsibility of the occupational health nurse. PREREQ: Current enrollment as Senior nursing major or PERM/INST.

Registered nurses enrolled in the Baccalaureate Nursing Degree program Fall, 1990 will follow the curriculum sequence presented below and must meet all degree requirements by Spring, 1992. Contact the Department of Nursing for academic advising.

	1st SEM	2nd SEM
JUNIOR YEAR		
Professional Nursing I NB 302	2	-
Nursing Leadership NB 308	2	-
Practicum: Nursing Leadership NB 309	1	-
Health Assessment NB 360	3	-
Practicum: Health Assessment NB 361	2	-
Pathophysiology H 300	4	-
Family Nursing NB 364	-	2
Practicum: Family Nursing NB 365	-	2
Nursing Roles in Promoting Group Health NB 322	-	2
Practicum: Nursing Roles in Promoting Group Health NB 323	-	2
Intro to Nursing Research NU 392	-	3
Applied Pharmacotherapeutics H 306	-	3
Area I, II or III Core Elective	3	4
	17	18
SENIOR YEAR		
Nursing in the Community NB 410	2	-
Practicum: Nursing in the Community NB 411	2	-
Critical Care Nursing NB 430	2	-
Practicum: Critical Care Nursing NB 431	2	-
Professional Nursing II NB 402	-	2
Psychosocial—Mental Health Nursing NB 408	-	2
Pract: Psychosocial—Mntl Hlth Nursing NB 409	-	2
Chronic and Rehabilitative Nursing NB 432	-	2
Pract: Chronic and Rehabilitative Nursing NB 433	-	2
Area I, II, or III Core Electives	9	6
	17	16

Course Offerings

See page 20 for definition of course numbering system

NB NURSING COURSES

Upper Division

NB 302 PROFESSIONAL NURSING I (2-0-2)(F). Introduction to theoretical foundations in nursing. Overview of the historical evolution of nursing. Discussion of the professionalization of nursing and characteristics of baccalaureate nursing education. Ethical issues in professional nursing. PREREQ: Admission to BS program for R.N.'s

NB 308 NURSING LEADERSHIP (2-0-2)(F). The leadership process is explored in relation to leadership and management theories, communication, group theories, professional issues, and change. Nursing leadership is emphasized in all areas of nursing responsibility. PREREQ or COREQ: NB 302, NB 360 COREQ: NB 309.

NB 309 PRACTICUM: NURSING LEADERSHIP (0-2-1)(F). Laboratory for NB 308. COREQ: NB 308.

NB 322 NURSING ROLES IN PROMOTING GROUP HEALTH (2-0-2)(S). Analysis of group health based on concepts from systems, developmental, and interactional frameworks in a variety of settings. Emphases on levels of prevention and nursing roles in health promotion. PREREQ: NB 308. PREREQ or COREQ: NU 392. COREQ: NB 323.

NB 323 PRACTICUM: NURSING ROLES IN PROMOTING GROUP HEALTH (0-3-1)(S). Practicum for NB 322. COREQ: NB 322.

NB 360 HEALTH ASSESSMENT (3-0-3)(F). Conceptual base for nursing practice, which includes systems theory and the health-illness continuum. A systems approach is used to assess individual health status and potential. PREREQ or COREQ: NB 302, 308, H 300. COREQ: NB 361.

NB 361 PRACTICUM: HEALTH ASSESSMENT (0-4-2)(F). Clinical laboratory for NB 360. COREQ: NB 360.

NB 364 FAMILY NURSING (2-0-2)(S). Analysis of individual and family health based on concepts from systems and developmental frameworks. Emphasis on application of the nursing process and development of a therapeutic relationship with a childbearing and/or childrearing family. PREREQ: NB 308, NB 360. PREREQ or COREQ: NU 392. COREQ: NB 322* NB 365.

NB 365 PRACTICUM: FAMILY NURSING (0-6-2)(S). Practicum for NB 364. COREQ: NB 364.

NB 402 PROFESSIONAL NURSING II (2-0-2)(S). Leadership role of professional nurse in improvement of health care services, health policy and advancement of nursing profession. Emphasis on emerging nursing roles, ethics, issues and trends. Examination of individual goals relevant to professional commitments. PREREQ: NB 410, 430. COREQ: NB 408, 432.

NB 408 PSYCHOSOCIAL—MENTAL HEALTH NURSING (2-0-2)(S). Conceptual base for application of nursing process for adaptation of individuals, families and groups to complex psychosocial and mental health and problems. PREREQ: NB 410. COREQ: NB 409.

NB 409 PRACTICUM: PSYCHOSOCIAL—MENTAL HEALTH NURSING (0-6-2)(S). Clinical laboratory for NB 408. COREQ: NB 408.

NB 410 NURSING IN THE COMMUNITY (2-0-2)(F). Principles of community assessment. Conceptual and historical perspectives of community health in relation to professional nursing roles. PREREQ: All 300 level nursing and support courses. COREQ: NB 411.

NB 411 PRACTICUM: NURSING IN THE COMMUNITY (0-6-2)(F). Clinical laboratory for NB 410. COREQ: NB 410.

NB 430 CRITICAL CARE NURSING (2-0-2)(F). Conceptual base for nursing practice applied to individuals of all ages and families to facilitate their adaptation to life-threatening illnesses/trauma. Use of nursing process with emphasis on implementation and evaluation of care. PREREQ or COREQ: NB 410, NB 431.

NB 431 PRACTICUM: CRITICAL CARE NURSING (0-6-2)(F). Clinical laboratory for NB 430. COREQ: NB 430.

NB 432 CHRONIC AND REHABILITATIVE NURSING (2-0-2)(S). Conceptual base for nursing practice applied to individuals of all ages and families to facilitate their adaptation to chronic illness. Use of nursing process with the gerontological client. PREREQ: NB 410, 430. PREREQ or COREQ: NB 402, 408, 433.

NB 433 PRACTICUM: CHRONIC AND REHABILITATIVE NURSING (0-6-2)(S). Clinical laboratory for NB 432. COREQ: NB 432.

Department of Preprofessional Studies

Health Sciences Building, Room 101 Telephone (208) 385-3832
or 385-1678

Dean and Professor: Eldon Edmundson, Ph.D. General Preprofessional Studies Advisor: Glenda C. Hill.

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-Optometric
- Non-degree Program in Pre-Pharmacy
- Non-degree Program in Pre-Physical Therapy

Department Statement

The Preprofessional Studies Department has responsibility to those students who need to have undergraduate studies prior to applying to a professional school. This includes students who have declared a major in pre-Medicine, pre-Dentistry, pre-Dental Hygiene, pre-Occupational Therapy, pre-Optometry, pre-Pharmacy, pre-Physical Therapy, pre-Veterinary Medicine, pre-Chiropractic, or Medical Technology.

In view of the specialized nature of each program the student should seek regular counsel from the advisor who has been designated for his or her major field of interest. A handbook for Preprofessional students is available from the advisors and should be used as a reference.

Students need to be aware of deadlines established by professional schools and testing organizations. Admissions examinations (Medical College Admission Testing, Dental Admission Testing, Dental Hygiene Aptitude Testing, Pharmacy College Admission Testing, and the Veterinary Aptitude Test) must be taken at specific times. These examinations may or may not be administered on the BSU campus. Deadlines for applying to professional schools vary from year to year. The student is responsible for determining the specific deadlines and fees which pertain to her/his field of interest.

In addition to academic coursework the Preprofessional Studies students have opportunities and are encouraged to work in a clinical environment and observe at first hand the practice and delivery of health care.

College of Health Science

Qualified students may register for an internship of two credits per semester. These students will work and study in a clinical environment with a practicing physician, dentist, or veterinarian, etc. PREREQ: H 202; upper division standing; cumulative GPA above 3.25; recommendation of faculty advisor; consent of the instructor. See course H 493 described in the Community and Environmental Health Section.

Information is available from advisors concerning state-supported tuition programs for qualified Idaho residents to professional schools outside the state of Idaho. These programs are:

- WAMI (Washington-Alaska-Montana-Idaho) for medical school;
- University of Utah for medical school;
- IDEP (Idaho Dental Education Program) for dental school;
- WOI (Washington-Oregon-Idaho) for veterinary medicine school;
- WICHE (Western Interstate Consortium of Higher Education) for schools of optometry, occupational therapy, and physical therapy.

Degree Requirements and Recommended Programs

PRE-DENTISTRY, BIOLOGY OPTION Bachelor of Science

Science-Nursing Building, Room 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

General University and Basic Core	21
English Composition E 101, 102	6
General Psychology P 101	3
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 301	3
General Bacteriology B 303	5
Comparative Anatomy Z 301	4
Vertebrate Embryology Z 351	4
Physiology Z 401, 409	4
Genetics with or without Lab B 343, 344	3-4
Vertebrate Histology Z 400	4
College Chemistry C 131-134	9
*Organic Chemistry C 317-320	8-10
Biochemistry with or without LAB C 431, 432	3-4
General Physics PH 101, 102	8
Mathematics M 111, 204	10
**Electives	21-25
Total must be at least	128

Suggested Program

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102	3	3
*College Chemistry C 131-134	4	5
Mathematics M 111, 204	5	5
Area II Core Courses	3	3
	15	16

SOPHOMORE YEAR

*Botany BT 130	4	-
*Zoology Z 130	-	5
*Organic Chemistry C 317-320	5	3-5
General Psychology P 101	3	-
Cell Biology B 301	-	3
Electives (H 202 recommended)***	3	3-6
	15	17-19

JUNIOR YEAR

Comparative Anatomy Z 301	4	-
Genetics, with or without Lab B 343, 344	3-4	-
Vertebrate Embryology Z 400	-	4
General Physics PH 101, 102	4	4
Area I Core Courses	3	3
Area II Core Courses	-	3
Electives	-	3
	14-15	17

SENIOR YEAR

General Bacteriology B 303	5	-
Vertebrate Histology Z 400	4	-
Physiology Z 401 or 409	-	4
Biochemistry C 431, 432	3	1
Area I Core Courses	3	3
Electives	3	9
	18	17

*Pre-Dental B; Pre-Medical 10

**Additional Upper Division credits so that Upper Division credits will total at least 40.

***H 202, Health Delivery Systems, is prerequisite for Preprofessional Internship, H 493.

PRE-DENTISTRY, CHEMISTRY OPTION 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

General University and Basic Core	21
English Composition E 101, 102	6
General Psychology P 101	3
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 301	3
Comparative Anatomy Z 301	4
Genetics, with or without lab B 343, 344	3-4
Vertebrate Embryology Z 351	4
College Chemistry C 131-134	9
Organic Chemistry C 317-320	10
Bio or Analytical Chem with Lab C 431, 432 or C 211, 212	4-5
Physical Chemistry C 321-324	8
Instrumental Analysis C 411	4
Chemistry Independent Studies C 496	2
Chemistry Seminar C 498, 499	2
General Physics Ph 101, 102	8
Mathematics M 111, 204	10
Mathematics M 205, 206	8
*Electives	9-11

Suggested Program

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111, 204	5	5
Area II Core Courses	3	3
	15	16

SOPHOMORE YEAR

Botany BT 130	4	-
Zoology Z 130	-	5
Organic Chemistry C 317-320	5	5
Mathematics M 205, 206	4	4
Cell Biology B 301	-	3
Elective (H 202 recommended)**	3	-
	16	17

JUNIOR YEAR

Comparative Anatomy Z 301	4	-
Genetics, with or without Lab B 343, 344	3-4	-
Bio or Anal Chem with Lab C 431, 432 or 211, 212	5	4
Area I Core Courses	-	9
Physics PH 101, 102	4	4
	16-17	17

SENIOR YEAR

Physical Chemistry C 321-324	4	4
Instrumental Analysis C 411	4	-
Chemistry Independent Study C 496	1	1
General Psychology P 101	3	-
Chemistry Seminar C 498, 499	1	1
Area I Core Course	-	3
Area II Core Course	-	3
Electives	3	5-6
	16	17-18

*Additional Upper Division credits so that Upper Division credits will total at least 40.

**H 202, Health Delivery Systems, is prerequisite for H 493, Preprofessional Internship.

PRE-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

English Composition E 101, 102	6
Area I Requirements	12
Area II Requirements	12
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 301	3
Bacteriology B 303	5
Genetics B 343	3
College Chemistry C 131-134	9
Organic Chemistry C 317-320	10
Biochemistry C 431, 432	4
Mathematics M 111, 204	10
General Physics PH 101, 102	8
Electives	38

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111, 204	5	5
Area I Core Courses	3	-
Botany BT 130	-	4
	15	17
SOPHOMORE YEAR		
Zoology Z 130	5	-
Organic Chemistry C 317-320	5	5
Cell Biology B 301	-	3
Electives (H 202 recommended)*	3	-
Area II Core Courses	3	6
	16	14
JUNIOR YEAR		
Biochemistry C 431, 432	3	1
Genetics B 343	3	-
General Physics PH 101, 102	4	4
Electives	4	4
Area I, II Core Courses	3	6
	17	15
SENIOR YEAR		
Bacteriology B 303	5	-
Electives	6	16-17
Area II Core Course	3	-
	14	16-17

*H 202, Health Delivery Systems, is prerequisite for H 493, Preprofessional Internship.

Bachelor of Science in Medical Technology

Advisors: Dr. Conrad Colby (208) 385-3383
Dr. Robert Ellis (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	6
Area I Core Elective	12
Area II Core Elective	12
Mathematics M 111	5
College Chemistry & Laboratory C 131-134	9
Organic Chemistry & Laboratory C 317-319	5
*Biochemistry & Laboratory C 431, 432	4
General Zoology Z 130	5
Cell Biology B 301	3
Bacteriology B 303	5
Pathogenic Bacteriology B 310	4
Immunology B 420	3
General Botany BT 130	4
Human Physiology Z 401	4
Health Delivery Systems H 202	3
Health Science Electives	8
Electives	4
	96

*Two semesters of Biochemistry C 431-432-433 (7 credits) are recommended.

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	6
Clinical Bacteriology	8
Clinical Parasitology	1
Urinalysis	1
Clinical Chemistry	8
Immunochemistry	3
Serology-Immunology	2
Toxicology	1
Clinical Mycology	1
Clinical Correlations Seminar	1
	32

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
College Chemistry C 131, 133	3	3
College Chemistry Laboratory C 132, 134	1	2
Mathematics M 111	5	-
Health Sciences Electives	-	3
Area I or II Core Electives	3	6
	15	17
SOPHOMORE YEAR		
Organic Chemistry C 317-319	5	-
General Botany BT 130	4	-
General Zoology Z 130	-	5
Cell Biology B 301	-	3

College of Health Science

Basic Medical Technology MT 201	-	2
Health Sciences Electives	3	-
Electives Area I or II Core	4	6
	16	16

JUNIOR YEAR

General Bacteriology B 303	5	-
Pathogenic Bacteriology B 310	-	4
Immunology B 420	3	-
Biochemistry C 431	3	-
Biochemistry Laboratory C 432	-	1
Electives Area I or II Core	3	3
Health Delivery Systems H 202	-	3
Human Physiology Z 401	-	4
Free Electives	3	-
	17	15

Sophomore, Junior and Senior years are individually planned in consultation with advisor.

Course Offerings

See page 20 for definition of course numbering system

MT MEDICAL TECHNOLOGY

MT 201 BASIC MEDICAL TECHNOLOGY (2-0-2)(S). Introduction to the basic aspects of theory and practice encountered in Medical Technology. Even-numbered years.

MT 487 CLINICAL CLASS AND PRACTICE (76 hours per semester—324 hours per semester—8 CR)(SU) (second session). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

MT 488 CLINICAL CLASS AND PRACTICE (153 hours per semester—647 hours per semester—12 CR)(F). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

MT 489 CLINICAL CLASS AND PRACTICE (153 hours per semester—218 hours per semester—12 CR)(S). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital accredited by CAHEA.

Non-Degree Programs

PRE-CHIROPRACTIC

Science-Nursing Building, Room 212 Telephone (208) 385-3504
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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Anatomy & Physiology Z 111, 112	4	4
Chemistry C 131, 133	3	3
Chemistry C 132, 134	1	2
Algebra & Trig M 111	5	-
General Psychology P 101	-	3
Area I Core	-	3
	16	15
SOPHOMORE YEAR		
Organic Chemistry & Lab C 317-319	5	-
Organic Chemistry & Lab C 318-323	-	5
General Physics PH 101, 102	4	4
Microbiology B 205	-	4
Humanities Elective	3	-
Electives	3	3
	15	15

Suggested Electives: Health Delivery Systems, Medical Terminology, Pre-professional Internship, Comparative Anatomy, Nutrition, Speech and Communications, Social Science Electives, Introduction to Business.

PRE-DENTAL HYGIENE

Health-Science Building, Room 107 Telephone (208) 385-3832
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 generally required by professional schools. Students should consult the advisor and pattern their program at BSU on the requirements of the specific professional school to which they expect to apply.

Suggested Program

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102	3	3
Anatomy & Physiology Z 111, 112	4	4
Chemistry C 107, 109	3	3
Chemistry C 108, 110	1	2
Mathematics M 108 or M 111	4-5	-
Introduction to Allied Health H 100	1	-
Area I Core	-	3
	16-17	15

SOPHOMORE YEAR

Nutrition H 207	3	-
Speech CM 111	3	-
Sociology SO 101	3	-
Psychology P 101	-	3
Microbiology B 205	4	-
Area I Core	-	3
Mathematics M 120	-	4
Advanced Expository Writing E 201	3	-
Area II Core	-	3
	16	13

PRE-OCCUPATIONAL THERAPY

Human Performance Center Telephone (208) 385-3383
Advisor: Dr. Conrad Colby

Occupational Therapy schools differ considerably in their preprofessional requirements. A minimum of two preprofessional years is required, and more in the case of some schools. A student interested in this career is advised to consult the advisor, determine which of the several schools would be the student's choice, and pattern the preprofessional curriculum in line with the requirements of the desired schools.

PRE-OPTOMETRY

Human Performance Center Telephone (208) 385-3383
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

General Zoology Z 130	1 or 2 semesters
College Chemistry C 131-134	2 semesters
General Physics PH 101, 102	2 semesters
English E 101, 102	2 semesters
College Mathematics	2 semesters

Additional courses that may be needed for the pre-Optometric program are:

Psychology	Bacteriology	Algebra & Trigonometry
Social Science	Organic Chemistry	Comparative Anatomy
Philosophy	Physiology	Differential Calculus
Literature	Statistics	Integral Calculus
Microbiology	Analytic Geometry	

PRE-PHARMACY

Science-Nursing Building, Room 314 Telephone (208) 385-3478
Advisor: Dr. Robert Ellis

BSU students who wish to receive a Bachelor of Science in Pharmacy usually plan to take their preprofessional courses at BSU and then apply for admission to the College of Pharmacy at Idaho State University. The Pharmacy program consists of two years of preparatory studies followed by three years in the College of Pharmacy at ISU. The curriculum outlined below is based upon the requirements of ISU. Students who intend to apply to Pharmacy schools other than ISU are advised to consult the pre-Pharmacy advisor and pattern their curriculum after that of the school to which they expect to transfer.

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Chemistry C 131, 133	3	3
Chemistry Laboratory C 132, 134	1	2
Mathematics M 111	5	-
*Mathematics M 204	-	5
Area I Core	3	-
Fundamentals of Speech CM 111	-	3
	16	16
SOPHOMORE YEAR		
Zoology Z 130	5	-
Cell Biology B 301	-	3
Organic Chemistry C 317-318	3	3
Organic Chemistry Lab C 319-320	2	2
Microbiology B 205	-	4
Physics PH 101, 102	4	4
Area II Core	3-4	-
	17-18	16

*When possible it is desirable to take M 204 the first semester and add General Botany BT 130 the second semester of the freshman year.
Quantitative Analysis C 211-212 can also be taken as a preprofessional course.

PRE-PHYSICAL THERAPY

Freshman and Sophomore Students
Health Science Building, Room 107 Telephone (208) 385-3832
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. A minimum of two preprofessional years is required for admission to a school of Physical Therapy.

The Freshman year suggested is based upon admission requirements of professional schools to which the majority of BSU's pre-Physical Therapy students gain admission.

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Anatomy and Physiology Z 111, 112	4	4
Psychology P 101	-	3
Mathematics M 111	5	-
College Chemistry C 131, 133	3	3
College Chemistry Lab C 132, 134	1	2
Electives (Area I, II)	-	3
	16	18

The student, in consultation with the advisor, should pattern the sophomore year according to the requirements of the Physical Therapy school the student is planning to attend.

Course Offerings

H HEALTH SCIENCES

For H Health Sciences courses see 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 insure 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 Sophomore year.
2. Submit \$70.00 as prepayment for student name pin, clinical malpractice insurance, radiation monitoring badges and markers. This non-refundable cost is payable by May 10 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.

College of Health Science

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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101, 102	3	3
Human Anatomy & Physiology & Lab Z 111, 112 ...	4	4
Medical Terminology H 101	3	-
Essentials of Chemistry & Lab C 107, 108	4	-
Intro to Allied Health H 100	1	-
Mathematics M 108	-	4
General Psychology P 101	-	3
Intro Computers in Health Science H 120	-	2
	15	16
SOPHOMORE YEAR		
Nursing Skills for Health Care Personnel H 206 ...	1	-
Radiographic Positioning I RD 222	4	-
Radiographic Techniques and Control RD 226	3	-
Radiographic Techniques and Control Lab RD 227 ..	1	-
Radiological Physics PH 106	3	-
Intro to Radiography Clinical Experience RD 234 ...	2	-
Laboratory Practicum RD 211-221	1	1
Radiation Biology-Protection RD 230	-	2
Radiographic Positioning II RD 242	-	4
Clinical Experience RD 285	-	4
Area I Core Elective	3	-
Area II Core Elective	-	3
	18	14
SUMMER		
Clinical Experience RD 375	-	5
JUNIOR YEAR		
Radiographic Positioning III RD 316	3	-
Special Radiographic Procedures RD 360	2	-
Medical & Surgical Diseases RD 350	2	-
Laboratory Practicum RD 311-321	1	1
Clinical Experience RD 385-395	6	6
Radiologic Therapy & Imaging System RD 338	-	3
Radiologic Quality Assurance RD 340	-	3
Radiographic Positioning IV RD 320	-	2
Area I Core Electives	3	3
	17	18
SUMMER		
Clinical Experience RD 397	-	5

Baccalaureate Degree Curriculum

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have an associate degree in Radiologic Technology and/or related discipline from a comparable college/university program, 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		
Personnel Administration 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

	1st SEM	2nd SEM
SENIOR YEAR		
Comparative Sectional Imaging RD 430	3	-
Computer Application in Med Imaging RD 431	2	-
Prin of Magnetic Resonance Imaging RD 440	2	-
Proc Case Studies Mgnitic Reson Imaging RD 441 ..	2	-
Clinical Exper Mgnitic Reson Imaging RD 445	6	-
Area II Core Elective	3	-
Prin of Comput Tomography RD 450	-	2
Proc Case Studies Comput Tomography RD 451 ...	-	2
Clinical Exper Comput Tomography RD 455	-	6
Area I Core Elective	-	3
Area II Core Elective	-	3
TOTAL	18	16

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

	1st SEM	2nd SEM
SENIOR YEAR		
Comparative Sectional Imaging RD 430	3	-
Computer App in Medical Imaging RD 431	2	-
Sonographic Physics & Instrumentation RD 460	3	-
Abdominal Ultrasound RD 461	3	-
Clinical Exper in Ultrasound I RD 467	6	-
Obstetrics/Gynecology Scanning RD 462	-	3
Doppler Procedures RD 463	-	1
Special Sonographic Procedures RD 464	-	1
Conference & Interpretation Ultrasound I RD 465 ..	-	1
Clinical Exper in Ultrasound II RD 468	-	6
Area I Core Elective	-	3
Area II Core Elective	-	3
TOTAL	17	18
SUMMER SEMESTER		
Area II Core Elective	3	-
Conference & Interpretation Ultrasound II RD 466 ..	3	-
Clinical Exper in Ultrasound III RD 469	6	-
TOTAL	12	-

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 I (4-0-4)(F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest and abdomen. COREQ: RD 211.

RD 226 RADIOGRAPHIC TECHNIQUE AND CONTROL (3-0-3)(F). Principles of x-ray machine operation, production of x-radiation, and its interaction with matter. Analysis and practical application of beam restricting devices, grids, radiographic film, intensifying screens, radiographic quality, and processing of the radiographic image. Includes factors affecting the contrast and density of the radiograph. COREQ: PH 106.

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 (2-0-2)(S). 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 (4-0-4)(S). Continuation of RD 222. The basic concepts and procedures used in obtaining diagnostic radiographs of the digestive and urinary systems, pelvic girdles, bony thorax, pelvis, hips and the spine. PREREQ: RD 222. COREQ: RD 221.

RD 285 RADIOLOGIC TECHNOLOGY CLINICAL PRACTICUM (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 316 RADIOGRAPHIC POSITIONING (3-0-3)(F). Advanced positioning techniques of the cranium, facial bones, sinuses, and temporal bones. PREREQ: RD 242. COREQ: RD 311.

RD 320 RADIOGRAPHIC POSITIONING (2-0-2)(S). Methods of solving positioning problems by the use of special radiographic devices and techniques. PREREQ: RD 316. COREQ: RD 321.

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 340 RADIOGRAPHIC QUALITY ASSURANCE (3-0-3)(S). Theory and application of quality assurance techniques for radiographic equipment. Includes demonstrations with various quality assurance instruments. Principles and techniques of daily photographic quality assurance will be introduced. PREREQ: RD 226.

RD 350 MEDICAL AND SURGICAL DISEASES (2-0-2)(F). General survey of various diseases and pathology of the human body as they pertain to radiology. Emphasis on how pathology is demonstrated on radiographs and its effect on radiographic quality. PREREQ: RD 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 exams involving the skull, 40% exams in special procedures; and 50% continued competency exam list. PREREQ: RD 375.

RD 395 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-24-6)(S). Supervised clinical hospital experience. The student must complete a minimum 40% of special procedures and 50% continued competency exam list. Plus rotation in minor affiliates. PREREQ: RD 385.

RD 397 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-40-5)(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)(F). 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)(FS). 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)(FS). 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)(FS). 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)(FS). 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)(FS). 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)(FS). 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 application in the field of 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 general gynecological exams and scanning techniques. Limited to Certified Radiologic Technologists.

RD 463 DOPPLER PROCEDURES (1-0-1)(S). Provides the foundation needed to understand concepts of producing diagnostic images utilizing Doppler. Limited to Certified Radiologic Technologists.

RD 464 SPECIAL SONOGRAPHIC PROCEDURES (1-0-1)(S). Provides descriptive information for special sonographic studies to include imaging of the thyroid, parathyroid, neck masses, superficial structures, breast, male reproductive organs, and chest. Also includes orthopedic, pediatric, ophthalmic, and thoracentesis application. Limited to Certified Radiologic Technologists.

RD 465 CONFERENCE AND INTERPRETATION IN ULTRASOUND I (1-0-1)(S). Provides an opportunity to review case studies, disease processes, and ultrasound diagnosis. Sonographic scans and scanning techniques are reviewed with guest sonographers and/or radiologists. Limited to Certified Radiologic Technologists.

RD 466 CONFERENCE AND INTERPRETATION IN ULTRASOUND II (1-0-1)(SU). Provides an opportunity to review case studies, disease processes, and ultrasound diagnosis. Sonographic scans and scanning techniques are reviewed with guest sonographers and/or radiologists. PREREQ: RD 465.

RD 467 CLINICAL EXPERIENCE IN ULTRASOUND I (0-24-6)(F). Supervised clinical experience in diagnostic medical sonography. Students will be given the opportunity to apply sonographic theory as presented in lecture. Limited to students in the Ultrasound program.

RD 468 CLINICAL EXPERIENCE IN ULTRASOUND II (0-24-6)(S). Supervised clinical experience in diagnostic medical sonography. Students will be given the opportunity to apply sonographic theory as presented in lecture. PREREQ: RD 467.

RD 469 CLINICAL EXPERIENCE IN ULTRASOUND III (0-24-6)(SU). Supervised clinical experience in diagnostic medical sonography. Students will be given the opportunity to apply sonographic theory as presented in lecture. PREREQ: RD 468.

Department of Respiratory Therapy

2268 University Drive

Telephone (208) 385-3383

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

RESPIRATORY THERAPY PROGRAM

1. Preprofessional Year
 - a. See University Admission Policy.
2. Professional Program
 - a. Only students who have completed or are in the process of completing the preprofessional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.
 - b. Health status must be adequate to ensure performance of hospital activities.

All students admitted to the Respiratory Therapy Program are required to:

1. Submit a negative PPD or chest x-ray 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 \$17.50 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.

	1st SEM	2nd SEM
PREPROFESSIONAL (FRESHMAN) YEAR		
English E 101, 102	3	3
Human Anatomy & Physiology Z 111, 112	4	4
Essentials of Chemistry & Lab C 107, 108	-	4
Intermediate Algebra M 108	4	-
Medical Terminology H 101	-	3
Area I Core Elective	3	-
Area II Core Elective	-	3
Elective	3	-
	17	17

Professional Curriculum

	1st SEM	2nd SEM
FIRST PROFESSIONAL (SOPHOMORE) YEAR		
Respiratory Therapy Theory I RT 203	2	-
Respiratory Therapy Theory II RT 223	-	2
Respiratory Therapy Lab I RT 204	1	-
Respiratory Therapy Lab II RT 224	-	1
Clinical Practicum I RT 208	3	-
Clinical Practicum II RT 228	-	4
Cardiopulmonary Renal Physiology H 220	3	-
Nursing Skills for Health Care Personnel H 206	1	-
General Pathology RT 209	2	-
Emergency Procedures in Resp Care RT 213	1	-
Chest Assessment RT 217	1	-
Laboratory Values H 216	1	-
Area I or II Core Electives	3	-
Pulmonary Function Lecture RT 225	-	2
Pulmonary Function Laboratory RT 226	-	1
Pulmonary Medicine I RT 227	-	2
Microbiology B 205	-	4
	18	16

	1st SEM	2nd SEM
SECOND PROFESSIONAL (JUNIOR) YEAR		
Respiratory Therapy Theory III RT 303	3	-
Respiratory Therapy Theory IV RT 323	-	2
Respiratory Therapy Lab III RT 304	1	-
Respiratory Therapy Lab IV RT 324	-	1
Clinical Practicum III RT 308	5	-
Clinical Practicum IV RT 328	-	8
Radiologic Studies of Resp System RT 305	1	-
Pulmonary Medicine II RT 327	2	-
Respiratory Cardiology RT 307	2	-
Professional Seminar RT 398	-	4
Principles of Pharmacotherapeutics RT 301	3	-
Area I or II Core Elective	-	3
	17	18

Baccalaureate Degree Curriculum: Prerequisite for Admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Respiratory Therapy at BSU, or have an associate degree in Respiratory Therapy and/or related discipline from a comparable college/university program, and have permission of the department chairman.

	1st SEM	2nd SEM
SENIOR YEAR: Management Option		
Personnel Administration MG 305	3	-
Organizational behavior MG 401	3	-
Intro Information Sciences IS 310 OR		
Intro Financial Accounting AC 205	3	-
Area I or II Core Electives	6	-
Compensation Management MG 406	-	3
Respiratory Therapy Colloquium RT 401	-	3
Area I or II Core Electives	-	6
	15	12

	1st SEM	2nd SEM
SENIOR YEAR: Education Option		
Found of Education TE 201	3	-
Statistical Methods P 305	3	-
Area I or II Core Electives	6	-
Educational Psychology P 220	-	3
Secondary School Methods TE 381	-	3
Respiratory Therapy Colloquium RT 401	-	3
Area I or II Core Electives	-	6
	12	15

Course Offerings

See page 20 for definition of course numbering system

RT RESPIRATORY THERAPY

Lower Division

RT 203 RESPIRATORY THERAPY THEORY I (2-0-2)(F). Medical gas therapy to include clinical gases, gas mixtures and various equipment. Theory and technique of aerosol and humidification therapy; introduction to infection control and cardiopulmonary resuscitation. PREREQ: PERM/INST.

RT 204 RESPIRATORY THERAPY LABORATORY I (0-2-1)(F). Medical gas techniques. PREREQ: PERM/INST.

RT 208 CLINICAL PRACTICUM I (0-9-3)(F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. PREREQ: PERM/INST.

RT 209 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.

RT 213 EMERGENCY PROCEDURES IN RESPIRATORY CARE (1-0-1)(F). Theory and technique necessary in emergency respiratory care. PREREQ: PERM/INST.

RT 217 CHEST ASSESSMENT (1-0-1)(F). Theory and application of basic chest assessment including inspection, palpation, percussion and auscultation. PREREQ: PERM/INST.

RT 223 RESPIRATORY THERAPY THEORY II (2-0-2)(S). Principles, application and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. Introduction to long term mechanical ventilation. PREREQ: PERM/INST.

RT 224 RESPIRATORY THERAPY LABORATORY II (0-2-1)(S). Use of hyperinflation therapy devices, chest physiotherapy and mechanical ventilation. PREREQ: PERM/INST.

RT 225 PULMONARY FUNCTION LECTURE (2-0-2)(S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. PREREQ: PERM/INST.

RT 226 PULMONARY FUNCTION LABORATORY (0-2-1)(S). Practice in pulmonary function testing and techniques. PREREQ: PERM/INST.

RT 227 PULMONARY MEDICINE I (2-0-2)(S). Ventilation, perfusion, compliance, resistance and pathophysiology of the lungs. An introduction to pulmonary pathophysiology. PREREQ: PERM/INST.

RT 228 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.

Upper Division

RT 301 PRINCIPLES OF PHARMACOTHERAPEUTICS (3-0-3)(F). Principles, practical uses and interaction of drugs and their relationship to disease. PREREQ: PERM/INST.

RT 303 RESPIRATORY THERAPY THEORY III (3-0-3)(F). Theory and clinical application of mechanical ventilation including care and management of artificial airways and hemodynamic monitoring. PREREQ: PERM/INST.

RT 304 RESPIRATORY THERAPY LABORATORY III (0-2-1)(F). Practice using mechanical ventilators and suctioning devices. PREREQ: PERM/INST.

RT 305 RADIOLOGIC STUDIES OF THE RESPIRATORY SYSTEM (1-0-1)(F). Presentation and interpretation of respiratory radiographs. PREREQ: PERM/INST.

RT 307 RESPIRATORY CARDIOLOGY (2-0-2)(F). Electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. PREREQ: PERM/INST.

RT 308 CLINICAL PRACTICUM III (0-16-5)(F). Experience in the hospital with patients, techniques and equipment as applied to mechanical ventilation and artificial airways. PREREQ: PERM/INST.

RT 323 RESPIRATORY THERAPY THEORY IV (2-0-2)(S). Theory and application of techniques and equipment to neonatology and pediatrics. PREREQ: PERM/INST.

RT 324 RESPIRATORY THERAPY LABORATORY IV (0-2-1)(S). Use of infant ventilators and special techniques pertaining to pediatrics. PREREQ: PERM/INST.

RT 327 PULMONARY MEDICINE II (2-0-2)(F). In-depth examination of pulmonary diseases, certain cardiac diseases, and the clinical management of these diseases. PREREQ: PERM/INST.

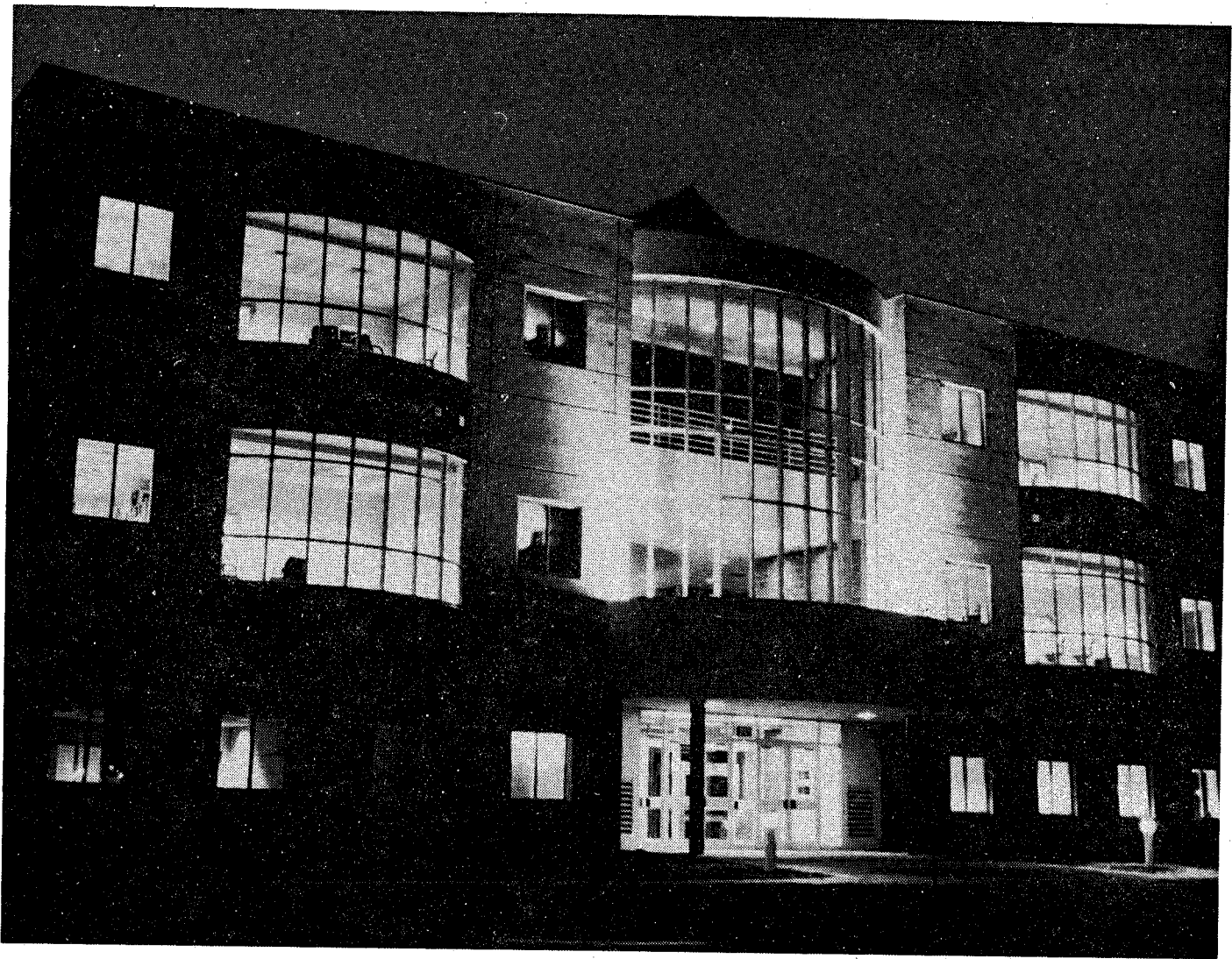
RT 328 CLINICAL PRACTICUM IV (0-24-8)(S). Experience in the hospital with any or all aspects of respiratory therapy. PREREQ: PERM/INST.

RT 398 RESPIRATORY THERAPY PROFESSIONAL SEMINAR (4-0-4)(S). Focuses on the ethics and medico-legal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and interdepartmental relations are considered. PREREQ: PERM/INST.

RT 401 RESPIRATORY THERAPY COLLOQUIUM (3-0-3)(S). Investigation of current topics in health care and Respiratory Therapy management. Field work may be combined with seminars to explore topics such as federal and state legislation, current trends in hospital accreditation and audit procedures, ethics of health care, and the role of the Respiratory Therapist as manager. PREREQ: PERM/INST.



Part 11



College of Technology

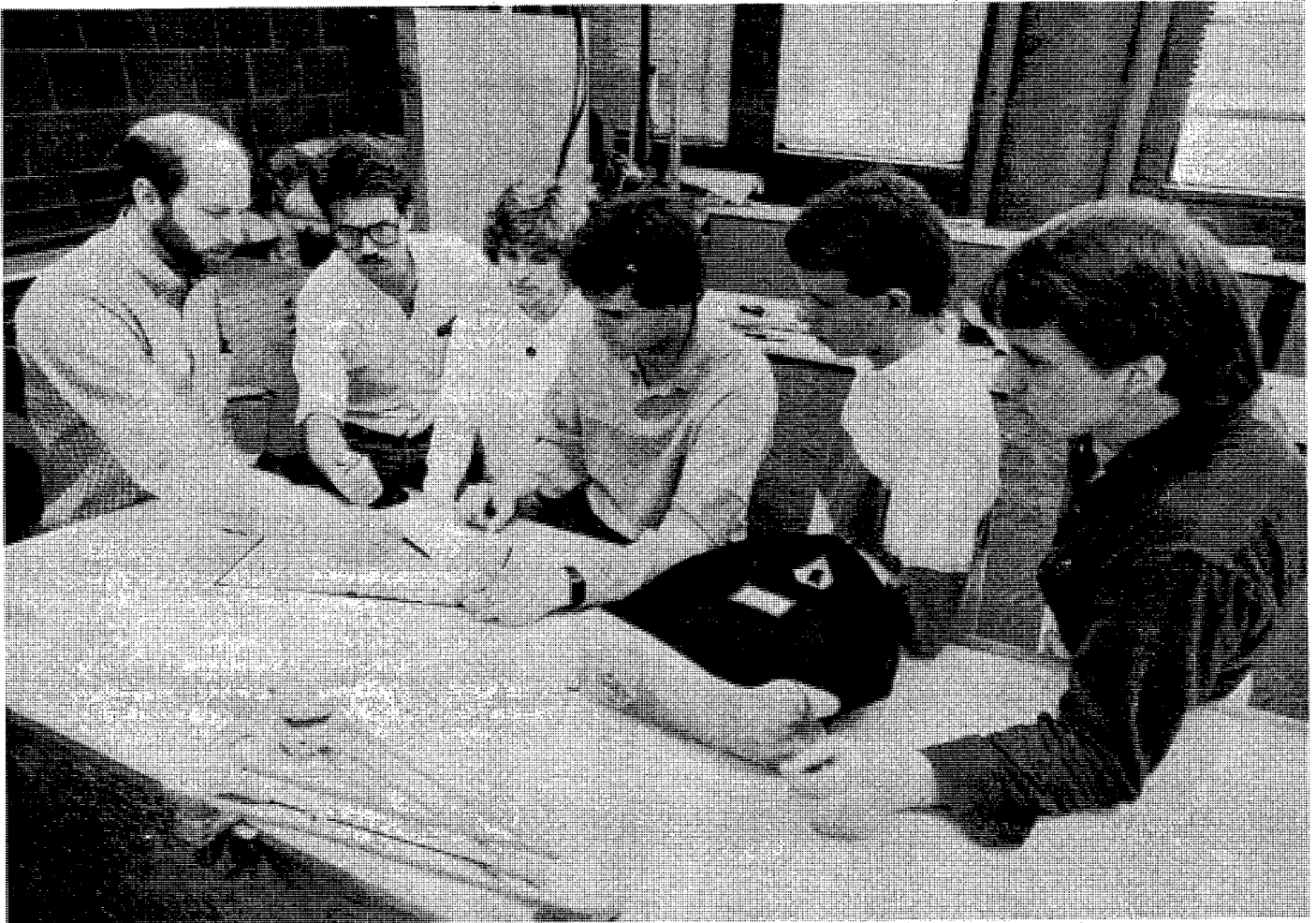
Dean: John F. Entorf, Ed.D.

The Boise State University College of Technology provides for a focused response to the technological education and training needs of the region. In order to help Idaho achieve a strong growing economy, the educational system needs to provide the tools and structure necessary for engineering and technical education. The College of Technology is meant to focus Boise State University resources more effectively to address deficiencies in these areas and to create an environment that attracts new industry and helps existing industry grow. The College is consistent with Boise State University's mission of providing special emphasis in Applied Technology and entering into joint efforts with other institutions to 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 will provide 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 Program, the Construction Management Program, and Pre-engineering. The College has a cooperative arrangement with the University of Idaho, College of Engineering, to offer upper-division and graduate engineering courses on the Boise State University campus. The School of Vocational Technical Education provides pre-employment training, industry upgrade training and customized programs, Adult Basic Education, one-year certificate programs, and 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 for the 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.

Department of Construction Management and Pre-Engineering

Technology Building, Room 240 Telephone (208) 385-3764

Chairperson and Professor: Norm Dahm; *Professors:* Gabert, Parks; *Associate Professors:* Affleck, Haefer; *Assistant Professors:* Gains, Mason.

Degrees Offered

- BS in Construction Management
- 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 of skill, responsibility and integrity.

FRESHMAN

	1st SEM	2nd SEM
English Composition E 101, 102.....	3	3
Area I Elective	3	3
Calculus and Analytical Geometry M 204*.....	5	-
Materials & Methods of Architecture AR 290	3	-
Engineering Fund and Comp Prog EN 107.....	3	-
Engineering Graphics EN 108	-	2
Intro to Management of Construction CO 240.....	-	3
Area II Elective.....	-	3
	17	14

School of Applied Technology

SOPHOMORE

General Physics PH 101, 102	4	4
Engineering Measurements EN 216	3	-
Intro to Financial Accounting AC 205	3	-
The Legal Environment of Business GB 202	3	-
Principles of Economics-Macro EC 201	3	-
Construction Blue Print Commun CO 235	2	-
Contracts and Specifications CO 246	-	3
Intro to Mechanics EN 205	-	3
Intro to Managerial Accounting AC 206	-	3
Principles of Economics-Micro EC 202	-	3
	18	16

JUNIOR

Construction Equipment & Methods CO 320	3	-
Mechanical Installations CO 351	3	-
Cost Estimating and Bidding CO 370	4	-
Statistical Tech Dec Making I PR 207	3	-
Principles of Finance FI 303	3	-
Mechanics of Materials EN 306	-	3
Soil Mechanics and Foundation Const CO 330	-	3
Soil Mechanics Lab GO 305	-	1
Electrical Installations CO 352	-	3
Construct Operations & Improve CO 374	-	2
Human Resource Law MG 330	-	3
Technical Writing E 202	-	3
	16	18

SENIOR

Concrete & Formwork Construction CO 410	3	-
Project Scheduling & Control CO 417	3	-
Fund of Speech Communication CM 111	3	-
Technical/Management Electives**	3	-
Area I Electives	3	3
Project Management CO 475	-	2
Project Controls CO 460	-	3
Organizational Behavior MG 401	-	3
General Electives	-	3
	15	14

*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; GO 101; AC 351; RE 201; MG 305, 340, 415; MK 301; PR 345; AS 328; GB 360.

1. All Construction Management majors must complete at least 57 credits and have a cumulative grade point average of 2.40 or better before being admitted to any upper division (number 300 and above) business or construction management classes.
2. All construction management classes will be taking several field trips during the semester to be scheduled Friday afternoons.
3. No more than 32 credits may be taken from the College of Business.

CONSTRUCTION MANAGEMENT MINOR

Engineering Graphics EN 108	2
Const Blue Print Communication CO 235	2
*Intro Management of Construction CO 240	3
Contracts & Specifications CO 246	3
Cost Estimating & Bidding CO 370	4
*Const Operations & Improvements CO 374	2
*Project Scheduling CO 417	3

*Math and/or Physics prerequisite.

TOTAL 19

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 in 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.

	1st SEM	2nd SEM
Recommended Freshman Year		
English Composition E 101, 102	3	3
Calculus & Analytical Geometry M 204, 205	5	4
College Chemistry C 131, 132, 133*	4	3
Engineering Fund & Comp Prog EN 107	3	-
Engineering Graphics EN 108	-	2
Humanistic Social Elective	-	3
	15	15

COMMON CORE FOR ALL BRANCHES

Humanistic-Social Electives (See Advisor)	12
Mechanics, Waves & Heat + Lab PH 211, 212	5
Electricity, Magnetism & Optics + Lab PH 213, 214	5
Elect. Engr. Circuits EN 227#	3
Mechanics/Statics EN 205	3
Calculus & Analytic Geometry M 206	4
Differential Equations M 331	3
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 TRANSFERRABLE COURSES

BRANCH VARIATION

Agricultural Engineering

FRESHMAN YEAR PLUS COMMON CORE	71
Mechanics/Dynamics EN 206	3
Thermodynamics and Heat Transfer EN 320	3
Engineering Measurements EN 216	3
Biological Science Elective	3
TOTAL	83

Chemical Engineering

FRESHMAN YEAR PLUS COMMON CORE	71
Principles of Economics EC 201 (Hum-Soc)	3
Thermodynamics and Heat Transfer EN 320	3
Organic Chemistry C 317, 318, 319, 320	10
Physical Chemistry C 321, 322, 323, 324	8
TOTAL	95

Civil Engineering

FRESHMAN YEAR PLUS COMMON CORE	71
Mechanics/Dynamics EN 206	3
Thermodynamics and Heat Transfer EN 320	3
Technical Writing E 202	3
Engineering Measurements EN 216	3
Physical Geology GO 101	4
TOTAL	87

Electrical Engineering

FRESHMAN YEAR PLUS COMMON CORE	71
Systems and Circuits II EN 223	5
Technical Writing E 202	3
Digital Circuits I EN 230	4
Electricity & Magnetism PH 381, 382	6
Mechanics/Dynamics EN 206	3
TOTAL	92

Mechanical Engineering

FRESHMAN YEAR PLUS COMMON CORE	71
Prin of Economics EC 201, 202 (Hum-Soc)	-
Systems and Circuits II EN 223	5
Mechanics/Dynamics EN 206	3
Thermodynamics and Heat Transfer EN 320	3
Technical Writing E 202	3
TOTAL	85

Geological Engineering

FRESHMAN YEAR PLUS COMMON CORE	71
Prin of Economics EC 201 (Hum-Soc)	3
Mechanics/Dynamics EN 206	3
Thermodynamics and Heat Transfer EN 320	3
Technical Writing E 202	3
Physical Geology GO 101	4
TOTAL	87

Metallurgical Engineering	
FRESHMAN YEAR PLUS COMMON CORE	71
Technical Writing E 202	3
Physical Chemistry C 321-322-323-324	8
Math Elective	3
TOTAL	85
Mining Engineering	
FRESHMAN YEAR PLUS COMMON CORE	71
Technical Writing E 202	3
Engineering Measurements EN 216	3
Physical Geology GO 101	4
TOTAL	81
General Engineering (IDAHO STATE)	
FRESHMAN YEAR PLUS COMMON CORE	71
Mechanics/Dynamics EN 206	3
Thermodynamics and Heat Transfer EN 320	3
Engineering Measurements EN 216	3
Fund of Speech Communication CM 111	3
Science Elective	3
TOTAL	86

Course Offerings

See page 20 for definition of course numbering system

CO CONSTRUCTION MANAGEMENT

Lower Division

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

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

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

Upper Division

CO 320 CONSTRUCTION EQUIPMENT & METHODS (3-0-3)(F). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment. Friday field trips required. PREREQ: EN 205.

CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)(S). Fundamentals of soil mechanics as it relates to foundation and earthwork construction problems: interaction of water and soil, compaction, bearing capacity, lateral pressures, drainage and waterproofing, spread footings, retaining walls, pile foundations, and special foundation construction problems. PREREQ: M 204 and EN 205 or PERM/INST. COREQ: GO 305.

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

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

CO 370 COST ESTIMATING AND BIDDING (3-3-4)(F). Extracting quantity take-offs 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.

CO 374 CONSTRUCTION OPERATIONS AND IMPROVEMENTS (2-0-2)(S). The use of statistical sampling, time and motion studies, time-lapse photography, crew balance analysis, flow and process charts to improve methods, labor efficiency, equipment and materials usage, safety and employee motivation. Field trips are required. PREREQ: DS 207.

CO 410 CONCRETE AND FORMWORK CONSTRUCTION (3-0-3)(F). Design and methods of formwork construction. Study of the properties of concrete, methods

of mixing, placing, curing and finishing. Friday field trips required. PREREQ: EN 306.

CO 417 PROJECT SCHEDULING (3-0-3)(F). Use of Gantt Charts, S-Curves, Critical Path Method (CPM), P.E.R.T. Charts, Resource Leveling and Time Cost Trade Offs as planning, scheduling and management techniques. PREREQ: EN 107 and DS 207.

CO 460 PROJECT COST CONTROLS (3-0-3)(S). Theory of cost accounting and cost control, emphasis on cost determination as a tool of management and project cost control. Includes bidding, budgeting and developing project cost record keeping system for managing cash, receivable, payroll and subcontractors. PREREQ: AC 206 and CO 370.

CO 475 PROJECT MANAGEMENT (2-0-2)(S). 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.

CO 493 INTERNSHIP. Cooperative education/internship in construction management provides practical, on-the-job experience in blueprint reading, material takeoffs, estimating, equipment management and project planning.

EN ENGINEERING

Lower Division

EN 100 ENERGY FOR SOCIETY (3-2-4)(F)(AREA III). A general interest course having no prerequisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy, environmental, social, and political problems. Alternative as well as conventional energy solutions will be studied.

EN 101 TECHNICAL DRAWING (2-2-2)(F). A basic course in technical drawing covering lettering, the use of drawing instruments, geometry, sketching, orthographic projection, sectioning, dimensioning, pictorial drawing and introduction to micro drafting systems.

EN 104 (CS 124) DIGITAL COMPUTER PROGRAMMING (2-0-2)(F/S). An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling arrays and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.

EN 107 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(F/S). 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 108, or equivalent.

EN 108 ENGINEERING GRAPHICS (2-2-2)(F/S). Engineering graphical analysis and graphic transmission of information including use of micro computer design and drafting systems. PREREQ: EN 107 or EN 101.

EN 205 MECHANICS/STATICS (3-0-3). Covers basic statics including equilibrium, analysis of trusses, frames and machines, centroids, static friction and moments of inertia. PREREQ: M 204 or PERM/INST.

EN 206 MECHANICS/DYNAMICS (3-0-3)(S). 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 (1-3-2)(F). 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 (2-3-3)(S). 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 (3-0-3)(F). The fundamental course in electrical engineering which provides an introduction to electrical circuits and basic network analysis. Topics covered are simple resistive, capacitive and inductive circuits, network theorems and circuit analysis methods, and Laplace transforms. PREREQ: M 204.

EN 223 SYSTEMS AND CIRCUITS II (4-3-5)(S). 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 (3-0-3)(F). 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 (3-0-4)(F). 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.

School of Applied Technology

Upper Division

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

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

EN 320 THERMODYNAMICS AND HEAT TRANSFER (3-0-3)(F). First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration, conduction and radiation. PREREQ: M 206 and PH 211.

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

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: 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.

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

7. Upper Division Electives 13

NOTE: Students seeking the B.A.S. degree must earn a minimum of 22 upper division credits.





School of Vocational Technical Education

- **Business/Special Programs Division:** Barbara Eglund, Division Manager.

Business and Office Education: Bounds, Butler, Carlton, Metzgar, Williamson.

- **Health/Services Division:** Bonnie J. Sumter, Division Manager.

Child Services Management: Gourley, Noonan; **Culinary Arts:** Hickman, Kulm, Slough; **Dental Assistant:** Imbs, MacInnis, Dr. Gunnell; **Horticulture Service Technician:** Moen, Oyler; **Practical Nursing:** Borman, Heist, Lagerstrom, McCullough, Tisdale, Towle; **Respiratory Therapy Technician:** Nuereberg, Read, M.D., Voigt; **Surgical Technology:** Curtis.

- **Canyon County Division:** Dennis Griffin, Division Manager.

Business and Office Occupations: Bounds; **Electrical Lineworker:** McKie; **Professional Truck Driving:** Anchestegui, Castleberry, Hogue; **Refrigeration, Heating and Air Conditioning:** Messick; **Wastewater Technology:** Dennis.

- **Technical Division:** Gary Arambarri, Division Manager.

Agricultural Equipment Technology: Gaines; **Auto Body:** Parke; **Auto Mechanics:** Hall, Mikesell; **Business Machine Technology:** Cadwell, Jansson, Jones; **Drafting Technology:** Benton, Burkey, Olson, Watts; **Electronics Service Technology:** Dodson, Jull, Schreffler, Sluder, Stack; **Electronics Technology:** Dodson, Jull, Schreffler, Sluder, Stack; **Heavy Duty Mechanics-Diesel:** Brownfield, Tillman; **Industrial Mechanics:** Allen; **Machine Shop:** Glassen, Wertman; **Small Engine Repair:** Schroeder; **Welding:** Baldner.

Department Chairpersons:

- Adult Basic Education Learning Center: Elaine Simmons
- Vocational Student Services: Bobbi K. Nothern
- Vocational Counselors: Daigle, Heary, Nothern, Quinowski

School of Vocational Technical Education Emeriti: Buchannan, Callies, Dallas, Fleshman, Fuehrer, Hager, Hoff, King, Krigbaum, Lamborn, Leigh, Lingenfelter, Tennyson, Thompson, Trapp, Weston

Objectives of Vocational Education

To provide the opportunity for state and local citizens to acquire the education necessary:

1. To become employed, to succeed, and to progress in a Vocational Technical field.
2. To meet the present and anticipated needs of the local, state and national economy for employees with a Vocational Technical education.
3. To become contributing members of the social, civic, and industrial community.

Admissions Requirements

Students who plan to enter the School of Vocational Technical Education, Boise State University, must submit the following at least one month prior to the start of classes:

1. An official high school transcript showing date of graduation, a high school equivalency certificate, or a GED certificate showing scores earned.

School of Vocational Technical Education

2. Boise State University application—(Vocational Student Services Office; \$15.00 application processing fee required).
3. Completion of an entrance assessment *THE ASSET EXAMINATION* which can be taken at any Idaho Post Secondary Vocational Technical School. There is no fee for the Asset Examination.
4. Personal interview with a School of Vocational Technical Education counselor.
5. \$75.00 registration advance security deposit to the School of Vocational Technical Education. This is applied to fees upon registration and is refundable only with justifiable cause. The deadline to apply for the refund is thirty calendar days before classes begin.

A limited number of students can be accepted in each program so all admission requirements should be completed as soon as possible.

When steps 1-4 have been completed and you have been accepted by the Vocational Technical School, you are eligible to pay the \$75.00 advance deposit. *You are not admitted into a program until steps 1 through 5 have been completed.*

Pre-Technical Instruction

Free tutorial assistance for reviewing math, English, study skills and/or reading skills is available to those interested in entering vocational technical programs. Please call (208) 385-3681 or (208) 385-3261 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.
- Literacy instruction for non-readers.
- English as a Second Language instruction.
- Citizenship preparation classes.
- Tutorial assistance for those needing help in meeting entrance requirements for B.S.U. vocational technical programs.
- Job Training Partnership Act opportunities through the Southwest Idaho Private Industry Council.
- 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 opt 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 Vocational Technical Education lead to an Associate of Applied Science degree. The standard requirements for this degree are as follows:

1. Technical Education Requirements — 52 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.
Six credits in the area of Communication Skills; the remaining credits in economics, industrial relations, or human relations.
3. Graduation Requirements.
 - 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 Office of Vocational Student Services, School of Vocational Technical Education. The College of Technology requires that all students admitted to the BAS degree program have no 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 Arambarri, Barbara Eglund, 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 workmen receiving on-the-job instruction in such vocations as sheetmetal, carpentry, plumbing, welding, electricity, electronics, word processing, automotive, nursing, and farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University School of Vocational Technical Education. Phone: (208) 385-1974.

Programs Offered

Agricultural Equipment Technology— Nine Month Program

Certificate of Completion
Instructor: Marlin 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 field troubleshooting to shop overhaul on various types of equipment will be covered. Theory and principles of operation will be stressed including a strong emphasis on safety procedures.

This program is incorporated in the Heavy-Duty 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	Fall	Spring
First Eight Week Block		
Basic Mechanics AE 105	1	-
*Intro to Engines DM 106	3	-
*Engine Component Systems DM 107	2	-
*Engine Fuel Systems DM 108	2	-
TOTAL	8	
Second Eight Week Block		
Basic Metal Work & Welding AE 125	2	-
*Clutches & Transmissions DM 110	2	-
*Power Take-Off & Drive Lines DM 111	1	-
*Differential, Power Dividers, Final Drive & Planetary Systems DM 112	2	-
*Hydraulic Assist Transmissions & Hydrostatic Drives AD 135	1	-
TOTAL	8	
Third Eight Week Block		
*Basic Electrical & Magnetism Theory DM 113	-	2
*Batteries, Switches, Relays & Solenoids DM 114	-	2
Lighting Systems, Trouble Shooting AE 140	-	2
Occupational Relations AE 265	-	1
**Intro to Microcomputers AM 180	-	1
TOTAL		8
Fourth Eight Week Block		
*Basic Hydraulics DM 115	-	2
Advanced Hydraulics AE 145	-	2
Air Conditioning Systems AE 150	-	2
Hay & Forage AE 155	-	2
TOTAL		8

*See Heavy Duty Mechanics—Diesel Program for course descriptions.
**See Auto Mechanics Program for course description.

Course Offerings

See page 20 for definition of course numbering system

AE AGRICULTURAL EQUIPMENT TECHNOLOGY

AE 105 BASIC MECHANICS (1-3-1)(F). Basic principles of heavy duty and agricultural mechanics, including orientation, shop math, hand tools, fasteners, shop equipment and safety will be covered.

AE 125 BASIC METAL WORK AND WELDING (2-5-2)(F). This course covers measuring, marking, and bending metal properly. Drilling and resizing holes in metal, basic oxyacetylene, ARC, M.I.G. and T.I.G. welding processes. Oxyacetylene torch cutting techniques and welding safety.

AE 135 HYDRAULIC ASSIST TRANSMISSIONS AND HYDROSTATIC DRIVES (1-3-1)(F). This course covers the theory and repair procedures for overhaul of hydraulic assist transmissions and hydrostatic drive systems.

AE 140 LIGHTING SYSTEMS, TROUBLE SHOOTING (2-6-2)(S). This course covers the theory and repair procedures on the various types of lighting systems, and trouble shooting of the electrical system.

AE 145 ADVANCED HYDRAULICS (1-7-2)(S). This course covers the diagnosis and repair procedures associated with open and closed-center hydraulic systems, and tracing hydraulic flows through circuits.

AE 150 AIR CONDITIONING SYSTEMS (1-7-2)(S). This course covers the basics of air conditioning, refrigerants, and oil, basic system — how it works service equipment, inspecting and diagnosing the system, testing and adjusting the system, and preparing system for service.

AE 155 HAY AND FORAGE (1-7-2)(S). This course covers types, sizes, operation of balers and stack wagons, preliminary setting and adjustments, and trouble shooting of field problems.

AE 265 OCCUPATIONAL RELATIONS (2-0-1)(S). This course teaches proper techniques in completing a job application form, job keeping skills, job searching, and resume writing.

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 (UniCoupe Repair, UniCoupe Bench Systems). A Certificate of Completion is issued upon satisfactory completion of all skills in the eleven month program.

SUBJECTS	Fall	Spring	Summer
Auto Body Lab AB 101, 102, 103	6	6	7
Auto Body Theory AB 151, 152	2	3	-
Auto Body Theory AB 161, 162	2	3	-
Auto Body Theory AB 171	2	-	-
Occupational Relationships AB 180	-	1	-
Auto Body Theory AB 181	2	-	-
Intro Microcomputers AB 182	-	1	-
Auto Body Theory AB 191	2	-	-
TOTAL	16	14	7

Course Offerings

See page 20 for definition of course numbering system

AB AUTO BODY

AB 101 AUTO BODY LABORATORY (0-25-6)(F). This course is designed to expose the students to the basic Auto Body Skills, orientation of shop and equipment, welding of thin gauge sheet metal, wirefeed, oxy-acetylene, basic metal roughing, and finishing skills, metal grinding, applications of plastic bondo repairs, basic priming, sanding skills, painting techniques (lacquers, enamels, etc.).

AB 102 AUTO BODY LABORATORY (0-25-6)(S). This course is designed to let the students experience skills in advanced collision damage (panel replacement, bench collision repair, and unitized collision repair), or experience in advanced painting skills (base coat, blending, epoxy primers, paint complete, painted and tape stripes), lacquer, enamels and urethane painting. PREREQ: AB 101 or PERM/INST.

AB 103 AUTO BODY LABORATORY (3-30-7)(SU). This summer session is designed for the student to continue practicing on basic skills, and advanced students to further their skills in preparing for the work force (early out, on-the-job training). Lecture/Lab. PREREQ: AB 102 or PERM/INST.

AB 151 AUTO BODY THEORY (2-0-2)(F). This section of the course is designed to cover orientation, tools, safety, shop procedures, industry needs and standards. PREREQ: PERM/INST.

AB 152 AUTO BODY THEORY (3-0-3)(S). This course prepares the student with advanced polishing of paints, paint skills in base/coat-clear/coat, blending, paint matching techniques, sealers, and special coatings. PREREQ: PERM/INST.

AB 161 AUTO BODY THEORY (2-0-2)(F). This course covers mild steel, brazing, wirefeed welding on car sheet metals, basic oxy-acetylene, MIG welding, plasma air arc cutting, equipment, tools and safety. PREREQ: PERM/INST.

AB 162 AUTO BODY THEORY (3-0-3)(S). This course is designed to give the student advanced theory skills in minor collision damage, major bench repair techniques, panel replacement, and rubber panel repair. PREREQ: PERM/INST.

AB 171 AUTO BODY THEORY (2-0-2)(F). This course is designed to give basic theory in metal finishing and minor body damage using plastic body fillers, roughing metal and grinding sheet metals, sandpapers, sanding techniques of plastic fillers, and air tools. PREREQ: PERM/INST.

School of Vocational Technical Education

AB 180 OCCUPATIONAL RELATIONS (1-0-1)(S). This course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment.

AB 181 AUTO BODY THEORY (2-0-2)(F). This course covers car and light truck body alignments, glass removal, door, hood and trunk alignments, estimating paint damage, estimating collision damage. PREREQ: PERM/INST.

AB 182 INTRO TO MICROCOMPUTERS (1-0-1)(S). This course introduces the student to microcomputer skills related to the Mechanical Technology field. Students are introduced to Disk Operating Systems (D.O.S.) and word processing to prepare their resumes and reports.

AB 191 AUTO BODY THEORY (2-0-2)(F). This section of the course is designed to give basic theory in car polishing, paint surface cleaning, interior and exterior detailing, and shop management. PREREQ: PERM/INST.

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 201, 202, GB 101, P 101, 151, or SO 101.

SUBJECTS	1st SEM	2nd SEM
Maintenance Welding Technology IM 101.....	3	-
Maintenance Machine Fundamentals IM 102.....	-	3
Electro-Mechanical Systems IM 110, 111.....	3	3
Basic Fluid Power Operations IM 121, 122.....	3	3
Industrial Mechanical Laboratory IM 131, 132.....	5	5
Industrial Technology Communications IM 162....	2	-
Occupational Relationships IM 262.....	-	2
TOTAL	16	16

See Industrial Mechanics/Automation for detailed course descriptions.

SUBJECTS	Fall	Spring	Summer
Welding Laboratory W 101, 102.....	5	5	-
Welding Lecture/Laboratory W 103....	-	-	7
Welding Theory W 151-153.....	4	1	-
Blueprint Read & Layout W 121, 122..	3	7	-
Welding Communication W 111.....	-	-	-
Occupational Relationships W 262....	-	2	-
TOTAL	15	15	7

See Welding/Metal Fabrication for detailed course description.

Auto Mechanics—Eleven Month Program

Certificate of Completion

Instructors: Lee Hall, Charles Mikesell

The program is designed to provide students with classroom and laboratory experiences that will prepare them for employment in new car dealerships or independent garages. The proper use of diagnostic equipment and shop machine tools are emphasized.

SUBJECTS	Fall	Spring	Summer
Basic Mechanics AM 101.....	1	-	-
Automotive Service Cooling AM 102..	2	-	-
Automotive Brakes AM 110.....	2	-	-
Front End & Alignment AM 115.....	2	-	-
Auto Electrical Systems AM 125.....	5	-	-
Engine Performance AM 130.....	5	-	-
TOTAL	17	-	-
Engine Repair AM 135.....	-	3	-
Manual Trans. & Differ. AM 140.....	-	4	-
Introduction to Micro Comp. AM 180.....	-	1	-
Occupational Relations AM 262.....	-	2	-
Basic Welding AM 120.....	-	1	-
Automatic Transmissions AM 175.....	-	4	-
Automotive Heating & Air Cond. AM 190.....	-	2	-
TOTAL	-	17	-
Exhaust Systems AM 145.....	-	-	1
Emission Systems AM 150.....	-	-	2
Advanced Engine Performance AM 195.....	-	-	4
NIASE Certification AM 235.....	-	-	2
TOTAL	-	-	9

Course Offerings

See page 20 for definition of course numbering system

AM AUTO MECHANICS

AM 108 BASIC AUTOMOTIVE MECHANICS (1-1-1)(F). Basic principles of automotive mechanics including orientation, shop math, hand tool, fastener and equipment identification, shop organization procedures and safety will be covered. This course is required for all auto mechanics students prior to additional coursework.

AM 109 AUTOMOTIVE SERVICE, COOLING (2-2-2)(F). This course introduces the student to the theory and practice of automotive service with special emphasis on servicing the cooling systems of automobiles.

AM 117 AUTOMOTIVE BRAKE SYSTEMS (1-4-2)(F). Theory and practice of automotive brake systems inspection, maintenance and repair will be covered including shoe replacement, drum and rotor machining and rebuilding of wheel, master cylinder, and power brake units.

AM 118 AUTOMOTIVE FRONT END SUSPENSION & ALIGNMENT (1-4-2)(F). This course introduces the student to the theory of automotive suspension systems including inspection, the study and practice of alignment, wear identification, front end rebuilding, and wheel balancing.

AM 119 BASIC WELDING (1-1-1)(S). Introduction to basic arc welding and oxy-acetylene welding processes. Emphasis is placed on safe operation of welding equipment. Oxy-acetylene torch cutting techniques will also be covered.

AM 125 AUTOMOTIVE ELECTRICAL SYSTEMS (4-4-5)(F). This course covers identification and use of basic automotive electronic test equipment, basic electricity, basic automotive electronic theory, testing and rebuilding of starter motors electronic ignition systems. The theory of Computer Command Control systems will also be covered.

AM 130 ENGINE PERFORMANCE (4-4-5)(F). The student will be introduced to the design and repair of conventional and electronic ignition systems, fuel delivery systems, carburetion, fuel injection, computer controlled ignition, and fuel systems. The use of scopes and testing equipment will be emphasized.

AM 135 ENGINE REPAIR (3-3-3)(S). This course covers engine design, engine disassembly, parts evaluation, parts repair and replacement, and proper disassembly techniques, parts evaluation and proper assembly.

AM 140 MANUAL TRANSMISSION AND DIFFERENTIAL REPAIR (4-3-4)(S). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation and proper assembly.

AM 145 EXHAUST SYSTEMS (1-1-1)(SU). Students will learn evaluation of exhaust systems and replacement or repair of faulty system components. PREREQ: AM 120.

AM 150 EMISSION SYSTEMS (1-4-2)(SU). This course prepares the student in the principles and laws of various automotive emissions systems to include the function, service and repair/replacement of components, diagnostic techniques, and compliance with emission standards.

AM 175 AUTOMATIC TRANSMISSION (3-6-4)(S). This course teaches the fundamentals of automatic transmissions and design features including servicing, diagnosis, troubleshooting and proper removal, adjustment, installation, and testing procedures.

AM 180 INTRODUCTION TO MICROCOMPUTERS (2-0-1)(S). Introduces the student to microcomputer skills related to the mechanical service field.

AM 190 AUTOMOTIVE HEATING AND AIR CONDITIONING (1-4-2)(S). This course introduces students to the principle and design of the heating and air conditioning system used in today's automobiles, and teaches the student troubleshooting and repair techniques.

AM 195 ADVANCED ENGINE PERFORMANCE (3-6-4)(SU). The student will be taught the use of advanced diagnostic equipment to troubleshoot and repair automobile performance, with emphasis placed on electrically related problems.

AM 235 NIASE CERTIFICATION (2-3-2)(SU). This course is designed to prepare students for National Institute of Automotive Service Excellence Certification examinations. PREREQ: PERM of Division Manager.

AM 262 OCCUPATIONAL RELATIONS (2-0-2)(S). This course teaches job searching, proper completion of job application blanks, job keeping skills, resume and curriculum vital development, and telephone techniques.

Business & Office Education— Nine Month or Two Year Program

Certificate of Completion

Instructors: Karen Bounds, Doris Butler, Janet Carlton,
Barbara Eglan, Wanda Metzgar, Marge Williamson

The Business and Office Education Program is designed to meet the needs of students as they prepare to enter the business world in both private industry and government. Upon enrollment in the program,

School of Vocational Technical Education

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 division manager. 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 I OF 203	-	2
Machine Transcription I OF 158	-	2
Record Keeping OF 155	-	3
Job Seeking Skills/Career Planning OF 153	-	2
TOTAL	17	19

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 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	Fall	Spring
Bookkeeping I OF 108	3	-
Spreadsheet I OF 201	2	-
Intro to Data Base Management OF 202	2	-
Applied Business Communications OF 252	3	-
Legal Environment of Business GB 202	3	-
*Technical Support Courses	3	-
Bookkeeping II OF 152	-	3
Computerized Bookkeeping I OF 225	-	2
Computerized Bookkeeping II OF 226	-	2
Fundamentals of Supervision OF 256	-	2
Spreadsheet II OF 254	-	2
**Electives	-	6
TOTAL	16	17

Associate of Applied Science Degree Business and Office Education (Word Processing)

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 word processing 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	Fall	Spring
Applied Business Communications OF 252	3	-
Production Typing OF 141	2	-
Technical Typing OF 142	2	-
Spreadsheet I OF 201	2	-
Intro Data Base Management OF 202	2	-
*Technical Support Courses	3	-
**Electives	3	3
Word Processing II OF 255	-	2
Word Processing III OF 262	-	2
Machine Transcription II OF 169	-	2
Fundamentals of Supervision OF 256	-	2
Model Office Simulation OF 257	-	2
Records Management Procedures OF 251	-	2
Spreadsheet II OF 254	-	2
TOTAL	17	17

*Approved Technical Support Courses for the Associate of Applied Science Degree

Machine Transcription II OF 169	2
Bus & Off Educ Internship OF 293	3
Word Processing II OF 255	2
Word Processing III OF 262	2
Model Office Simulation OF 257	2

**Approved 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, practice in typing the various office forms. PREREQ: Demonstrated proficiency in typing. Eight week course.

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/pretest.

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.

School of Vocational Technical Education

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.

OF 162 INTRO TO INFORMATION PROCESSING (2-4-2)(F/S). An introduction to the fundamentals of word processing and database management business applications. Eight-week course.

OF 169 MACHINE TRANSCRIPTION II (2-4-2)(F/S). Emphasis on transcribing advanced and technical dictation from recorded media using automated office systems. PREREQ: OF 109, OF 119, OF 158, or PERM/INST, and a typing speed of 35 wpm. Eight-week course.

OF 201 SPREADSHEET I (2-4-2)(F/S). Introduction to electronic spreadsheets. Presents concepts of spreadsheet software; understanding the worksheet elements; the command menu; entering numbers, formulas and labels, specifying ranges; entering simple formulas; editing and printing. An eight-week course.

OF 202 INTRO TO DATA BASE MANAGEMENT (2-4-2)(F/S). Introduction to data base management. Emphasis will be on creating files; data entry; edit data; how to search for data; create, run and print reports. Eight-week course.

OF 203 WORD PROCESSING I (2-4-2)(F/S). Students will learn basic word processing functions such as merging, sorting, column functions, and headers and footers. PREREQ: OF 127 or typing speed of at least 35 wpm. Eight-week course.

OF 205 ADVANCED SHORTHAND (4-4-5)(F/S). Emphasis is on continued speed building in taking dictation and transcribing. Course includes review of business vocabulary, punctuation, and grammar. PREREQ: OF 151 or advanced placement through proficiency exam.

OF 225 COMPUTERIZED BOOKKEEPING I (2-4-2)(F/S). An introduction to the principles utilizing computers to set up and to maintain a set of books that are common in many small business operations. An integrated system of accounting software will be used to demonstrate the entire bookkeeping cycle. PREREQ: OF 155 or PERM/INST. Eight-week course.

OF 226 COMPUTERIZED BOOKKEEPING II (2-4-2)(F/S). Computerized practical applications using integrated software for the bookkeeping cycle will be implemented. A practice set will be used to cover the bookkeeping cycle as well as a practice set for payroll bookkeeping. PREREQ: OF 225. Eight-week course.

OF 251 RECORDS MANAGEMENT PROCEDURES (2-4-2)(F/S). A study of the principles and procedures of records management, including retention, processing maintenance, protection, and transfer. Eight-week course.

OF 252 APPLIED BUSINESS COMMUNICATIONS (3-2-3)(F/S). Course is designed to improve student's ability to communicate effectively through written and verbal media as well as to develop a systematic and creative approach to solving communication problems through studying and applying principles of effective writing. Emphasis on report writing with research. Concentrates on gathering and writing the information. PREREQ: OF 159.

OF 254 SPREADSHEET II (2-4-2)(F/S). Designed to give students the knowledge and skills necessary to create spreadsheets performing advanced functions. Emphasis will be on creating typical business documents such as: budgets and payroll. PREREQ: OF 201. Eight-week course.

OF 255 WORD PROCESSING II (2-4-2)(F/S). A continuation of Word Processing I with emphasis on intermediate functions such as outlining, table of contents, advanced merge, and math. PREREQ: OF 203. Eight-week course.

OF 256 FUNDAMENTALS OF SUPERVISION (2-4-2)(F/S). Introduction to fundamental principles of first-line supervision, emphasizing the following: role/respon-

sibilities of the supervisor; problem-solving and time management; and assertiveness and conflict management. Eight-week course.

OF 257 MODEL OFFICE SIMULATION (2-4-2)(F/S). Students are "employed" in a classroom simulated office to experience a variety of supervisory positions within a company. PREREQ: OF 256 or PERM/INST. Eight-week course.

OF 262 WORD PROCESSING III (2-4-2)(F/S). Students will learn a variety of advanced word processing concepts and applications used in industry today. Emphasis on advanced applications such as hard disk management, troubleshooting, files management, and macros. PREREQ: OF 255 or PERM/INST. Eight-week course.

OF 293 BUSINESS AND OFFICE INTERNSHIP (0-12-3)(F/S). A practical application of technical knowledge and skills in supervised community business and office settings. Individual contract arrangements involving student, instructor, and employer to gain practical work experience. Monitored and evaluated weekly by appropriate faculty in consultation with the agency or business with whom the arrangement is contracted. PREREQ: Permission of Program Head and Division Manager.

Business Machine Technology— Two Year Program

Associate of Applied Science Degree
Instructors: Dan Cadwell, Paul Jansson, Don Jones

The program in Business Machine Technology has been developed to give the student the basic knowledge to perform as an entry level technician. The student will be qualified to make maintenance inspections, make proper mechanical and electronic adjustments and/or repairs, and do general shop work. The student will be trained in electronics and mechanical principles, with specialized training on mini-computers, typewriters, word processing, electronic cash registers and other business machines.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Business Machine Technology BM 155, 156.....	9	9
Basic Electronic Theory BM 157-158.....	4	4
Communication Skills BM 111-112.....	3	3
Customer Relations BM 113.....	-	2
TOTAL	16	18
SOPHOMORE YEAR		
Advanced Bus Machine Tech BM 255-256.....	11	11
Advanced Electronic Theory BM 271-272.....	7	7
TOTAL	18	18

Course Offerings

See page 20 for definition of course numbering system

BM BUSINESS MACHINE TECHNOLOGY

BM 111-112 COMMUNICATION SKILLS (3-0-3)(F/S). Objective to enable students to use language effectively as a tool for the Office Machine Industry: i.e., effective writing and verbal communication for sales and technical repair. (3 clock hours per week).

BM 113 CUSTOMER RELATIONS (2-0-2)(S). Directed toward the tact and methods necessary to communicate with the public. (2 clock hours per week.)

BM 155 BUSINESS MACHINE TECHNOLOGY (5-17-9)(F). This is a hands on theory/lab course in which the student is taught basic mechanical applied theory. (22 clock hours per week).

BM 156 BUSINESS MACHINE TECHNOLOGY (5-15-9)(S). This is a hands on theory/lecture lab course in which the student is taught basic concepts of business machine repair. (20 clock hours per week).

BM 157-158 BASIC ELECTRONIC THEORY (4-1-4)(F/S). Deals with basic electronics including properties of electronic components (5 clock hours per week).

BM 255-256 ADVANCED BUSINESS MACHINE TECHNOLOGY (7-17-11)(F/S). This is a hands on theory/lab course in which the student is taught basic concepts of business machine repair including a special emphasis in troubleshooting techniques. Shop management, retail selling, computer programming and related math are also included. (24 clock hours per week) PREREQ: BM 155, 156, 157.

BM 271-272 ADVANCED ELECTRONIC THEORY (7-0-7)(F/S). This course is a study of digital electronics, semiconductors, microprocessors. (7 clock hours per week).

Child Service/Management

Day Care Assistant—Nine Month Program

Certificate of Completion
Instructors: Peg Gourley, 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

	1st SEM	2nd SEM
Introduction to Child Development CC 101	3	-
Introduction to Child Development CC 151	-	3
Communication Skills CC 111-112	3	3
Health and Care of the Young Child CC 141	3	-
Intro to Occupational Relations CC 161	-	2
Curriculum of the Young Child CC 171-172	3	3
Child Care Laboratory CC 181-182	3	3
Contract Fld Exper in Early Chld Prg CC 125-126	1	1
Plan and Eval of Laboratory Exper CC 135-136	2	2
TOTAL	18	17

Day Care Teacher/Supervisor

	1st SEM	2nd SEM
Advanced Child Care CC 255	3	-
Intro to Kindergarten Curriculum CC 256	-	2
Infant Care CC 257	-	2
Child Care Center Management CC 232	-	3
Fam & Comm involvement with Child CC 252	3	-
Occupational Relationships CC 261	-	2
Feeding Children CC 241-242	3	3
Child Care Center Supervision CC 201-202	4	4
Contract Pract in Early Child Superv CC 225-226	2	2
TOTAL	15	18

Course Offerings

See page 20 for definition of course numbering system

CC CHILD CARE STUDIES

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 111-112 COMMUNICATION SKILLS (3-0-3)(F/S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

CC 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD PROGRAMS (0-4-1)(F/S). Individual contract arrangement involving students, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

CC 135-136 PLANNING AND EVALUATION OF LABORATORY EXPERIENCE (2-0-2)(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, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Also includes maintenance of teachers health, red cross multimedia first-aid emergency training.

CC 161 INTRODUCTION TO OCCUPATIONAL RELATIONS (2-0-2)(S). Instruction and practical application in resume writing, job applications, interviewing techniques and job search. The course will include: Personal money management, credit and management of personal records and files.

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 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 arrangement, schedules, child guidance, staff responsibilities.

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 (0-8-2)(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 (3-2-3)(S). Introduction to the business practices in the operation of a child care center. Includes business arithmetic, record keeping, purchasing of supplies and equipment, and employer-employee relationships. Also includes licensing procedures required for day care centers.

CC 241-242 FEEDING CHILDREN (3-0-3)(F/S). Nutritional requirements of preschool children in child care centers. Students plan, purchase, prepare and serve nutritious snacks and meals to children in the CC lab. Also emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes.

CC 252 FAMILY AND COMMUNITY INVOLVEMENT WITH CHILDREN (3-0-3)(F). History and dynamics of family interaction; review of cultural life styles. Emphasis will be placed on the need for establishing effective relationships with parents of children in child care centers and the community resources available to both parents and the center.

CC 255 ADVANCED CHILD CARE (3-0-3)(F). A review of the history of child care and present day child care facilities in the U.S. and locally. Also covered in class are classroom management, caring for exceptional children and qualifications of people caring for children in group situations. PREREQ: CC 101-151.

CC 256 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-2)(S). Kindergarten curriculum theory and practices are presented so that the student has a working knowledge of the kindergarten classroom. PREREQ: CC 255.

CC 257 INFANT AND TODDLER CARE (2-0-2)(S). Total care of infants and toddlers in group day care homes and centers. Besides physical care emphasis is also placed on the emotional and social nurturing of infants and toddlers. PREREQ: CC 101-151.

CC 261 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

Culinary Arts Program

Certificate of 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 bakeries. 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.

School of Vocational Technical Education

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.

	Credit Hours
FIRST SEMESTER	
CA 102 Culinary Skills Development	3
CA 103 Sanitation, Safety, Health	2
CA 104 Introductory Baking	2
CA 105 Cost Controls	1
CA 109 Culinary French	0
CA 112 Introductory Hot Foods	3
CA 113 Pantry, Basic Garde Manger	3
CA 114 Communications Skills	3
CA 126 Hospitality Purchasing	2
TOTALS	19
SECOND SEMESTER	
CA 115 Dining Room Procedures	2
CA 116 Meat Identification & Fabrication	1
CA 118 Charcuterie (Sausage Making)	1
CA 119 Supervisory Development	2
CA 122 Fish Cookery	1
CA 123 Communication Skills II	3
CA 124 Kitchen Laboratory	5
CA 127 American Regional/A La Carte	2
CA 262 Occupational Relations	2
TOTALS	19
THIRD SEMESTER	
CA 207 Wine Appreciation	1
CA 212 International & Oriental Cuisine	1
CA 214 Kitchen Laboratory	6
CA 227 Advanced/Classical Baking	2
CA 228 Advanced Food & Beverage Cost Controls	2
CA 229 Food & Beverage Operation Planning	2
CA 230 Cake Decorating	1
CM 111 Funds of Speech	3
TOTALS	18
FOURTH SEMESTER	
CA 213 Advanced Garde Manger	1
CA 215 Classical Cuisine	1
CA 224 Kitchen Laboratory	6
CA 226 Advanced Culinary Skills	2
CA 231 Banquet & Catering Operation	1
CA 232 Culinary Nutrition	2
Approved Electives: Two required:	
GB 101 Intro to Business	3
EC 202 Principles of Economics-Micro	3
CM 112 Reasoned Discourse	3
MM 250 Intro Microcomputers in Retailing	3
TOTALS	19

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 procedures. Basic cooking methods stressed and practiced including: sauteing, broiling, roasting, poaching, simmering, braising, pan frying, deep fat frying, stewing and fricasseeing.

CA 103 SANITATION, SAFETY & HEALTH (2-0-2)(F/S). Theory and practice of food and environmental sanitation in a food production area are stressed, with attention to food-related diseases and their origins. The sanitation course has been reviewed for compliance and approved by the Federal Food and Drug Administration. Students conduct a sanitation inspection of one of the Culinary Arts Programs facilities in their production areas.

CA 104 INTRODUCTORY BAKING (2-1-2)(F/S). This course gives instruction in the fundamentals of baking science, terminology, equipment, technology, ingredients, weights and measures, formula conversion, and storage.

CA 105 COST CONTROL (1-0-1)(F/S). An introduction to the food service cost control method, procedures and math.

CA 109 CULINARY FRENCH (1-0-0)(F/S). Explanations of basic culinary French terminology and menu phrases.

CA 112 INTRODUCTORY HOT FOODS (3-2-3)(F/S). Basic menu items such as soups, sauces, stocks, vegetables, and entrees are prepared. Fundamental concepts and techniques of food preparation are first demonstrated by the instructors and then practiced by the students.

CA 113 PANTRY, BASIC GARDE MANGER (3-2-3)(F/S). A survey course in the fundamentals of pantry, basic garde manger, and breakfast cookery. Students are instructed in the proper techniques and procedures for preparing a variety of lunch and dinner salads and salad dressings, hot and cold sandwiches, quiches, garnishes, canapes, marinades, tea and fancy sandwiches, and hot and cold appetizers.

CA 114 COMMUNICATION SKILLS (3-0-3)(F/S). Study of terms, attributes, and the mechanics of language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and resume preparation.

CA 115 DINING ROOM PROCEDURES (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 gueridon 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 principles, interviewing, staffing, and discipline are covered. Stewarding functions and responsibilities of personnel scheduling, cleaning scheduling and purchasing serviceware.

CA 122 FISH COOKERY (1-0-1)(F/S). Affords students the opportunity to actually identify, store, rotate, issue and learn the disciplines that must be practiced to keep quality purchased fish, crustaceans and mollusks fresh. Students butcher fish, lobster, crabs, and practice the basic fundamentals of fish cookery. They also prepare stocks, soups and foundation sauces, and learn to highlight a variety of seasoned specialties.

CA 123 COMMUNICATION SKILLS II (3-0-3)(F/S). Study of terms, attributes, and the mechanics of language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and resume preparation.

CA 124 KITCHEN LABORATORY (2-22-5)(F/S). This lab will be used for the following classes: CA 115, CA 116, CA 118, 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/A 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 several different menus based on actual Chinese (Szechwan, Cantonese, Peking, Hunan), Japanese and Polynesian recipes.

CA 213 ADVANCED GARDE MANGER (1-0-1)(F/S). Students progress to advanced instruction in cold food preparation and presentation techniques. Charcuterie, specialty canapes, hors d'oeuvres, appetizers, pates, galantines, chaud-froids, terrines, tallow and ice carving, aspics, mousses, cold sauces, vegetable carving, and food decoration are all demonstrated and prepared.

CA 214 KITCHEN LABORATORY (0-26-6)(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.

CA 262 OCCUPATIONAL RELATIONS (2-0-2)(F/S). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office.

Dental Assistant—Nine Month Program

Certificate of Completion

Instructors: Dr. Richard Gunnell, Bonnie Imbs, Jean MacInnis

The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State University works with the Dental Advisory Board in planning and promoting the program and curriculum. Changes may be made at any time to take advantage of advances in the Dental profession. Entrance requirements: High School Diploma or Equivalency Certificate, personal interview and aptitude testing. Typing is a prerequisite. The dental assistant courses are taught by dental assistant instructors and guest dental lecturers.

The program in Dental Assisting is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. Students are eligible to take the Certification Examination upon completion of this course.

	1st SEM	2nd SEM
Dental Laboratory DA 101-102.....	4	2
Dental Radiology DA 104.....	4	-
Dental Assisting Clinical Experience DA 106.....	-	4
Dental Office Management DA 108.....	2	-
Public Health and Dental Hygiene DA 109.....	2	-
Communication Skills DA 111-112.....	3	3
Dental Theory DA 151-152.....	6	6
Occupational Relationships DA 262.....	-	2
Fundamentals of Speech CM 111.....	3	-
Standard First Aid and CPR PE 121.....	-	1
TOTAL	24	18

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 safety.

DA 106 DENTAL ASSISTING CLINICAL EXPERIENCE (0-16-4)(S). Supervised chair-side assisting experience in private dental offices and clinics.

DA 108 DENTAL OFFICE MANAGEMENT (2-0-2). Covers the fundamentals of business practices related to dentistry.

DA 109 PUBLIC HEALTH AND DENTAL HYGIENE (2-0-2). The class work deals with preventive dentistry and patient education.

DA 111-112 COMMUNICATION SKILLS (3-0-3)(F/S). Enables the students to use our language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of preparation.

DA 151-152 DENTAL THEORY (6-0-6)(F), (6-0-6)(S). Lectures cover the basic dental sciences and dental specialties.

DA 262 OCCUPATIONAL RELATIONS (2-0-2). The course is designed to enable a student to become skilled in dealing effectively with people; ethics and responsibilities within the law; job application and interviewing. One Semester course.

Drafting Technology—Two Year Program

Associate of Applied Science Degree

Instructors: Danny Benton, Ralph Burkey, Tom Olson, Don Watts

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well versed in the necessary basic skills and knowledge of conventional and computer aided drafting. The student is required to develop and maintain the same standards and techniques used in firms or agencies that employ drafters and technicians.

FIRST SEMESTER

Drafting Lab and Lecture DT 101.....	4
Fundamentals of Computer Drafting DT 109.....	1
Communication Skills DT 111.....	3
Mathematics DT 131.....	4
Applied Physics DT 141.....	3
*Elective (General).....	3
TOTAL	18

SECOND SEMESTER

Drafting Lab and Lecture DT 102.....	4
Communication Skills DT 112.....	3
Introduction to Surveying DT 122.....	2
Mathematics DT 132.....	3
Applied Physics DT 142.....	3
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.....	1
Occupational Relations DT 262.....	2
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 (General).....	3
TOTAL	18

All courses require a minimum 'C' grade to receive the Associate's Degree.

*Approved General Electives

Introduction to Business GB 101.....	3
Fundamentals of Speech Communication CM 111.....	3
Listening CM 131.....	3
Introduction to Sociology SO 101.....	3
Principles of Economics-Micro EC 202.....	3

School of Vocational Technical Education

Course Offerings

See page 20 for definition of course numbering system

DT DRAFTING TECHNOLOGY

DT 101 DRAFTING LABORATORY AND LECTURE (1-14-1)(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 102 DRAFTING LABORATORY AND LECTURE (1-14-1)(S). Architectural drafting includes facility planning, remodeling and details for commercial buildings. PREREQ: DT 101.

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 graphics 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 111-112 COMMUNICATION SKILLS (3-0-3)(F/S). Study of terms, attributes, and the mechanics of language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, and business correspondence.

DT 122 SURVEYING (2-2-2)(S). Introduction to surveying, methods and computation. Required field work with emphasis on compiling data and office computation. PREREQ: or COREQ: DT 132.

DT 131 MATHEMATICS (4-1-4)(F/S). Fundamentals of algebra with review of arithmetic and applications of applied problems. Arithmetic operations with fractions, decimals, percentage. Basic algebraic operations with signed numbers, powers, solutions of simple equations, factoring operations with algebraic expressions. One year high school algebra with satisfactory grade or equivalent required.

DT 132 MATHEMATICS (3-0-3)(F/S). Plane geometry, basic coordinate geometry, spatial geometry, and basic trigonometry. This course includes many applied problems. related to drafting technology. These problems require application of the fundamentals acquired in DT 131, trigonometry and geometry. PREREQ: DT 131 or equivalent.

DT 141 APPLIED PHYSICS (3-0-3)(F). Course covers properties of solids, liquids and gases with emphasis on introduction to strength of materials. Also temperature and effects of heat, heat transfer and change of state of matter are covered. Emphasis placed on problem solving. One year high school algebra with satisfactory grade or equivalent.

DT 142 APPLIED PHYSICS (3-0-3)(S). Course covers vectors and graphic methods with emphasis on forces exerted on structural members in a static position; force and motion; work energy and power and basic machines. COREQ: DT 132 or equivalent.

DT 201 DRAFTING LABORATORY AND LECTURE (1-14-4)(F). Civil drafting, mapping, highway curves and earthwork using conventional and computer drafting techniques. PREREQ: DT 122, 132, 102.

DT 202 DRAFTING LABORATORY AND LECTURE (1-14-4)(S). Structural drafting terminology, structural and reinforcing steel specifications and drawing practice with manual and computerized methods. PREREQ: DT 201, 221.

DT 221 DESCRIPTIVE GEOMETRY AND DEVELOPMENT (3-1-3)(F). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting applications.

DT 222 TECHNICAL REPORT WRITING (2-0-2)(S). Objective: to enable students to meet on-the-job standards of report preparation in the field of drafting.

DT 231 APPLIED MATHEMATICS (3-1-3)(F). Solution of practical problems involving concepts from DT 131 and DT 132 Math. PREREQ: DT 132.

DT 232 APPLIED MATHEMATICS (3-1-3)(S). Application and expansion of mathematics, statics and strength of materials. Related to lab projects. PREREQ: DT 231.

DT 241 STATICS (4-0-4)(F). Introductory course in statics with emphasis on analysis of simple structures. PREREQ: DT 132.

DT 242 STRENGTH OF MATERIALS (4-0-4)(S). Analysis of stress and strain in torsion, tension, compression and stress. Introduction to limited structural design. PREREQ: DT 132.

DT 261 GRAPHICS (1-1-1)(F). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. (Open to non-drafting technology majors—space permitting).

DT 262 OCCUPATIONAL RELATIONS (2-0-2)(F). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

DT 263 SPECIALIZED GRAPHICS (2-1-2)(S). An intensive study of perspective and rendering as used in industrial illustration, architectural rendering and civil engineering, including mechanical and electronic methods. Lecture-Laboratory. PREREQ: DT 261 (Open to non-drafting technology majors—space permitting).

Electrical Lineworker— Nine Month Program

Certificate of Completion
Instructor: Gerald McKie

The Electrical Lineworker Program provides the student with the best and most complete basic preparation possible in overhead and underground construction and maintenance procedures. Centering around a basic program of performance based objectives, instructional materials and field experiences, the program provides the student with the necessary skills and knowledge needed as a firm foundation in this rapidly advancing field.

In the laboratory experience with equipment such as transformers, oil circuit breakers, switches, materials and pole line hardware, hot line tools, test equipment, bucket truck, line truck, trencher/backhoe, and related equipment components, provides the student with "hands-on" experience permitting further and more concentrated advancement in these skilled areas.

The program is designed to produce a highly skilled, well-informed entry level lineworker who is familiar with use of all tools, materials, and equipment of the trade. The areas of first aid, personal safety, and occupational safety are stressed as integral parts of each area of the craft.

SUBJECTS	Fall	Spring
Electrical Lineworker Lab EL 101-102.....	5	5
Electrical Lineworker Basics EL 151-152.....	5	5
Design/Construction EL 161-162.....	5	5
Occupational Relationships EL 262.....	-	2
TOTAL	15	17

Course Offerings

See page 20 for definition of course numbering system

EL ELECTRICAL LINEWORKER

EL 101-102 ELECTRICAL LINEWORKER LABORATORY (0-20-5)(F/S). 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 and street lighting, construction and maintenance of underground distribution networks, troubleshooting all systems including hot stick care and use, plus preventative maintenance on associate systems or equipment.

EL 151-152 ELECTRICAL LINEWORKER BASICS (5-0-5)(F/S). 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 (5-0-5)(F/S). This course emphasizes electrical power systems, power systems design 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.

Electronics Service Technology— Two Year Program

Associate of Applied Science Degree
Instructors: Doug Carlton, Jeff Chance, Bob Dodson,
Stan Sluder, James Stack

The graduate of this program is prepared to enter the electronics industry with a broad-based general knowledge in electronic equipment repair and maintenance. This technician will be capable of entry-level work on the latest equipment that incorporates analog and digital circuits. The electronic technician from this program is able to specialize in any area of electronics that the employer desires.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Electronics Laboratory I ES 106	3	-
English Composition E 101	3	-
Electronics Theory ES 122	5	-
Electronics Mathematics ES 133	5	-
Computer Literacy for Elect Tech ES 188	2	-
Intro to Digital Electronics ES 123	-	2
Digital Systems I ES 163	-	2
Linear Systems I ES 172	-	5
Linear Systems I Lab ES 173	-	3
Applied Math ES 182	-	3
Fund of Speech Comm CM 111	-	3
TOTAL	18	18
SOPHOMORE YEAR		
Electronics Lab ES 206	3	-
Digital Systems II ES 214	3	-
General Psychology P 101	3	-
Linear Systems II ES 237	5	-
CET Certification ES 274	1	-
Economics of Elect Service Management ES 264	3	-
Telecommunication Systems I ES 232	-	2
Electronics Lab ES 288	-	3
Digital Systems III ES 275	-	3
Microprocessors Systems ES 277	-	4
Electro-Mechanical Systems ES 281	-	3
Telecommunication Systems II ES 285	-	4
TOTAL	18	19

Course Offerings

See page 20 for definition of course numbering system

ES—ELECTRONICS SERVICE TECHNOLOGY

ES 106 ELECTRONICS LABORATORY I (0-15-3)(F/S). Experiments in direct and alternating current, using passive components (resistors, capacitors and inductors). The use of standard test equipment used by an electronics technician.

ES 122 ELECTRONIC THEORY (5-0-5)(F/S). Theory of direct and alternating currents in passive circuits. Circuit analysis of RLC configurations in both ac and dc applications.

ES 123 INTRODUCTION TO DIGITAL ELECTRONICS (2-0-2)(F/S). Introduction to binary number systems, digital coding, basic logic gates and logic families.

ES 133 ELECTRONICS MATHEMATICS (5-0-5)(F/S). The number system, algebra and algebraic equations, exponential and logarithmic equations, vectors and graphing.

ES 163 DIGITAL SYSTEMS I (2-0-2)(F/S). Basic TTL and MOS gate operations, combinational logic circuits, Boolean Algebra, fan-out specifications, propagation delay and operating speed. Basic sequential logic operations, R-S and J-K flipflop fundamentals. PREREQ: ES 123.

ES 172 LINEAR SYSTEMS I (5-0-5)(F/S). Ac and dc properties of diodes and transistors. Bipolar junction transistors, junction field effect transistors and MOS devices. Operational circuits employing diodes and transistors. Transistor amplifier biasing, load line computations and gain determinations. PREREQ: ES 122. COREQ: 182.

ES 173 LINEAR SYSTEM LABORATORY I (0-15-3)(F/S). Laboratory exercises to complement ES 172 and ES 163. PREREQ: ES 106.

ES 182 APPLIED MATHEMATICS (3-0-3)(F/S). The mathematical analysis of circuits introduced in ES 172. COREQ: ES 172.

ES 188 COMPUTER LITERACY FOR ELECTRONIC TECHNICIANS (2-0-2)(F/S). An introductory computer course dealing in the use of the computer as a writing and computational tool. The student will be introduced to word processing and the BASIC computer programming language. Includes program writing and structuring techniques, software troubleshooting and documentation.

ES 206 ELECTRONICS LAB (0-15-3). Combined electronics lab covering circuits and equipment used in ES 237, ES 214, ES 281 and ES 232. Lab will stress hands-on exposure to circuits and equipment and will provide various troubleshooting techniques to be used in equipment repair.

ES 214 DIGITAL SYSTEMS II (3-0-3)(F/S). Implementation of sequential logic, flip-flops, converters, encoders, decoders, arithmetic logic systems and comparators, parity generators and checkers. PREREQ: ES 163.

ES 232 TELECOMMUNICATION SYSTEMS I (2-0-2)(F/S). Introduction to electronic communication systems. Types of information to be conveyed by a communication channel. Role of receiver and transmitter. Generation and reception of radio waves. Use of radio waves and light waves as information carriers.

ES 237 LINEAR SYSTEMS II (5-0-5)(F/S). Study of operational amplifiers and other linear circuits. Operational amplifier theory and OP AMP circuits commonly

found in electronic equipment. Amplifiers, oscillators, comparators, integrators and differentiators, filters and precision rectifiers. PREREQ: ES 172.

ES 264 ECONOMICS OF ELECTRONIC SERVICE MANAGEMENT (3-0-3)(F/S). Study of electronic shop economics, practices and standards. Includes customer and employee relations, management skills, and invoicing, warranty claims and procedures.

ES 274 CET CERTIFICATION (1-0-1)(F/S). Study for and completion of requirements for Certified Electronics Technician examination. Associate Level Exam preparation.

ES 275 DIGITAL SYSTEMS III (3-0-3)(F/S). Study of various logic families. Data Conversion, analog-to-digital and digital-to-analog conversion, digital data transmission and reception, memory devices and systems. PREREQ: ES 264.

ES 277 MICROPROCESSOR SYSTEMS (4-0-4)(F/S). Study of microprocessor functions based on 6800 series microprocessor. Number systems, microprocessor basics, computer arithmetic, programming, central processor unit structure, and interfacing, Microcontrollers, 16 and 32 bit microprocessor overview. PREREQ: ES 214.

ES 281 ELECTRO-MECHANICAL SYSTEMS (3-0-3)(F/S). Electronic measurement and detection through the use of electronic transducer devices. Mechanical control through the use of electro-mechanical actuators and devices. Photoelectric sensors, thermal sensors, displacement sensors. Solenoids, relays, stepper motors and servo actuators.

ES 285 TELECOMMUNICATION SYSTEMS II (4-0-4)(F/S). Continuation of ES 232. Noise in communication systems. Propagation, antennas and transmission lines. Pulse modulation techniques, data communications and standards. Digital signal communication methods, telephone and satellite communications. PREREQ: ES 232.

ES 288 ELECTRONICS LAB (0-15-3)(F/S). Combined electronics lab covering circuits and equipment used in ES 275, ED 277, ES 285 and ES 281. Hands-on exposure with emphasis on troubleshooting approaches.

EXTENDED PROGRAMS OFFERINGS

The following Extended Programs offerings are not required in the Electronic Service Technology AAS degree program. These courses are designed for upgrading of individuals employed in the Electronic Service Industry. PREREQ: Minimum of two years employment as an Electronic Service Technician, or PERM/INST.

Course Offerings

ES 293 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 communication systems. Optical fiber properties and types, applications, advantage and limitations. Transformation of voice information to digital form and applications of digital signal multiplexing for use with optical fiber signal transmission and reception. System testing and standardized troubleshooting procedures.

ES 295 DIGITAL CONCEPTS WITH INTRO MICROPROCESSORS (1-4-2). A laboratory 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: Doug Carlton, Jeff Chance, Bod Dodson,
Stan Sluder, James Stack

The Electronics Technology Program prepares students as entry level electronic engineering technicians. These individuals may desire employment leading to work as team members associated with engineers, scientists, or manufacturing specialists involved in electronic work.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Electronics Laboratory ET 101-102	2	1
Communication Skills ET 111-112	3	3
Technical Report Writing ET 121	2	-
Electronics Math I-II ET 131-132	3	3
Basic Physical Science ET 142	3	-
Electronic Theory ET 151-152	3	4
Intro to Digital Electronics ET 161	2	-
Digital Systems I ET 162	-	2
Digital Systems Lab I ET 163	-	1

School of Vocational Technical Education

Solid State Devices I ET 172	3	
Solid State Devices Lab I ET 173	1	
TOTAL	18	18

SOPHOMORE YEAR

Linear Systems Lab ET 201	1	-
Telecommunications Lab ET 202	-	1
Calculus I-II ET 231-232	3	3
Instrumentation ET 241	2	-
Instrumentation Lab ET 242	1	-
Linear Systems ET 251	3	-
Telecommunications Systems ET 252	-	3
Occupational Relations ET 262	3	-
Digital Systems II ET 264	2	-
Digital Systems Lab II ET 265	1	-
Solid State Devices II ET 273	2	-
Solid State Devices Lab II ET 274	1	-
Digital Systems III ET 275	-	2
Digital Systems Lab III ET 276	-	1
Microprocessor Systems ET 277	-	2
Microprocessor Systems Lab ET 278	-	1
*Occupational Electives	-	4
TOTAL	18	17

Total Number of Credit Hours: 71

*Elective chosen from following course offerings to fulfill Occupational Area core requirements. These selections are also chosen with the intent of fulfilling the general education requirements for the associate of applied science degree: GB 101; EC 201, 202; AC 205, 206; GB 202; IS 310; CM 111, 131, 221, 251; MG 301; LS 102; P 101.

Semiconductor Technology— Two Year Program

Associate of Applied Science Degree

The successful completion of ET 131-132 or M 111, or the equivalent is prerequisite for this major.

FIRST YEAR

	1st SEM	2nd SEM
General Physics PH 101, 102	4	4
College Chemistry C 131	3	-
Chemistry Lab C 132	1	-
Advanced Electronics Math ET 231-232	3	3
Communication Skills ET 111-112	3	3
Intro to Digital Electronics ET 161	-	2
Intro to Integrated Circuit Industry ET 181	2	-
Intro to Integrated Circuit Processing ET 182	2	-
Integrated Circuit Processing I ET 183	-	3
*Elective	3	-
TOTAL	18	18

**The electives shall be selected from the areas of Business, Economics, and/or Human Relations.

SECOND YEAR

Digital Systems I and II ET 162, ET 264	2	2
Technical Report Writing ET 113	2	-
Intro to Solid State Physics ET 291	3	-
Solid State Device Physics ET 292	-	3
Integrated Circuit Layout ET 281	-	2
Electronics Theory I and Lab ET 151-101	5	-
Electronics Theory II and Lab ET 152-102	-	5
Solid State Devices I ET 172	-	3
*Elective	3	3
TOTAL	15	18

Total Number of Credit Hours: 69

Course Offerings

See page 20 for definition of course numbering system

ET ELECTRONICS TECHNOLOGY

ET 101 ELECTRONICS LABORATORY I (0-10-2)(F/S). Experiments in direct current electronics. Study of resistance, dc circuit behavior, dc applications of capacitors and inductors, dc operation of transistor circuits, and characteristics of dc test equipment.

ET 102 ELECTRONICS LABORATORY II (0-5-1)(F/S). Experiments in alternating current electronics. Study of reactance, impedance, ac circuit behavior, ac transistor circuits, ac circuit devices, and characteristics of ac test equipment. PREREQ: ET 101.

ET 111, 112 COMMUNICATION SKILLS (3-0-3)(F/S). Study of terms, attributes, and the mechanics of language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and resume preparation.

ET 113 TECHNICAL REPORT WRITING (1-4-2)(F/S). Composition of standardized technical reports, proper usage of electrical schematic drawings and proper use of headings and punctuation.

ET 131 ELECTRONICS MATHEMATICS I (3-2-3)(F/S). The number system, algebra and algebraic equations, functions and the graphing of functions, exponential and logarithmic equations, and plane geometry and trigonometry.

ET 132 ELECTRONICS MATHEMATICS II (3-2-3)(F/S). Complex numbers, vectors and vector mathematics, trigonometric functions and equations, and graphing of trigonometric functions. PREREQ: ET 131

ET 142 BASIC PHYSICAL SCIENCE (3-0-3)(F/S). Course covers concepts of force, displacement, power and energy and mechanical physical principles including mass, inertia, momentum, velocity and acceleration, and moment of inertia. Emphasis is placed on problem solving. PREREQ: One year high school algebra with satisfactory grade or equivalent.

ET 151 ELECTRONIC THEORY I (4-1-4)(F/S). Theory of direct current electricity, its behavior in dc circuits, resistance and physical properties contributing to resistance, errors in calculation, dc power, dc current and voltage laws, dc circuit analysis, and physical properties of circuit components.

ET 152 ELECTRONIC THEORY II (4-1-4)(F/S). Theory of alternating current electricity, its behavior in electric circuits, properties of reactance and impedance, ac circuit analysis, tuned circuits and resonance, mutual inductance and transformers. PREREQ: ET 151.

ET 161 INTRODUCTION TO DIGITAL ELECTRONICS (2-0-2)(F/S). Introduction to binary number system, Boolean functions and mathematics, basic logic gates and logic families, Karnaugh mapping and Boolean simplification of logic functions.

ET 162 DIGITAL SYSTEMS I (2-0-2)(F/S). Basic TTL and MOS gate operations, combinational logic circuits, tri-state logic gates, expander functions of gates, fan-out specifications, propagation delay and operating speed. Basic sequential logic operations, R-S and J-K flip-flop fundamentals. PREREQ: ET 161.

ET 163 DIGITAL SYSTEMS LAB I (0-4-1)(F/S). Laboratory exercises to complement ET 162. See ET 162 course description. PREREQ: ET 161.

ET 172 Solid State Devices I (3-2-3)(F/S). AC and DC properties of diodes and transistors. Semiconductor properties. Manufacture of semiconductor devices. Bipolar junction transistors, junction field effect transistors, and MOS devices. Operational circuits employing diodes and transistors. Transistor amplifier biasing, load line computations, and gain determinations. PREREQ: ET 151, ET 131.

ET 173 SOLID STATE DEVICES LAB I (0-4-1)(F/S). Laboratory exercises to complement ET 172. Diode rectification circuits, transistor biasing and amplifying circuits. Class A, AB, B, and C amplifier circuits, troubleshooting of diode and transistor circuits.

ET 181 INTRODUCTION TO INTEGRATED CIRCUIT INDUSTRY (2-0-2)(F). Overview of the integrated circuit: its history, applications, and manufacturing. Course will cover technical aspects lightly and will focus on economic and social impact. PREREQ: ET 131-132, or M 111 or equivalent.

ET 182 INTRODUCTION TO INTEGRATED CIRCUIT PROCESSING (2-0-2)(F). Examination of the manufacturing techniques and processes necessary to build an integrated circuit from raw materials to final products. The emphasis is on conceptual aspects of processing; however, mechanisms and modeling will be discussed. PREREQ: ET 131-132 or M 111 or the equivalent.

ET 183 INTEGRATED CIRCUIT PROCESSING I (2-0-2)(S). A descriptive treatment, in some chemical and mathematical detail, of the processes used to manufacture integrated circuits. PREREQ: ET 181, 182.

ET 201 LINEAR SYSTEMS LAB (0-5-1)(F/S). Laboratory exercises to complement ET 251. Linear amplification and signal processing circuits including integrators, differentiators, active filters, oscillators, comparators, differential amplifiers, and specialized non-linear amplifiers. PREREQ: ET 152, ET 172.

ET 202 TELECOMMUNICATIONS LAB (0-5-1)(F/S). Laboratory exercise to complement ET 252. Communication experiments in radio frequency generation and measurement, amplitude and frequency modulation, frequency shift keying, pulse width and position modulation, radio frequency reception circuits, demodulation and detection, heterodyne systems, and automatic frequency control. PREREQ: ET 251.

ET 231 CALCULUS I (3-2-3)(F/S). Differentiation of algebraic, logarithmic, and trigonometric equations. Determination of maximums and minimums, rates of change, and limits. Basic introduction to integration. PREREQ: ET 132.

ET 232 CALCULUS II (3-2-3)(F/S). Integration of equations, analytic geometry and integration of two and three dimensional geometric figures, multiple integration. Introductory differential equations, Laplace transforms. PREREQ: ET 231.

ET 241 INSTRUMENTATION (2-0-2)(F/S). Electronic measurement through use of sensors, transducers, and detectors. Open-ended and closed-loop measurement

systems. Photoelectric sensors, thermoelectric sensors, linear variable differential transformers. Signal conditioning and processing. PREREQ: ET 152.

ET 242 INSTRUMENTATION LAB (0-4-1)(F/S). Laboratory exercises to complement ET 241. Application of sensors, transducers, and detectors. Signal conditioning and treatment. Measurement error considerations, noise reduction schemes, digitization methods. PREREQ: ET 152.

ET 251 LINEAR SYSTEMS (3-2-3)(F/S). Linear circuit processing. Operational amplifier circuits, comparators, oscillators, logarithmic amplification, active signal filtering, operational amplifier power supply considerations. PREREQ: ET 152.

ET 252 TELECOMMUNICATIONS SYSTEMS (3-2-3)(F/S). Radio and light communications systems. Radio frequency generation and propagation, modulation and demodulation techniques. Receiver systems. PREREQ: ET 251.

ET 262 OCCUPATIONAL RELATIONS (3-0-3)(F/S). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

ET 264 DIGITAL SYSTEMS II (2-0-2)(F/S). Implementation of sequential logic, flip-flops, converters, encoders, decoders, arithmetic logic systems and comparators, PREREQ: ET 162.

ET 265 DIGITAL SYSTEMS LAB II (0-4-1)(F/S). Laboratory exercises to complement ET 264. See ET 264 course description. PREREQ: ET 162.

ET 273 SOLID STATE DEVICES II (2-0-2)(F/S). Study of solid state devices including silicon controlled rectifiers, tunnel diodes, optoelectronic devices, power FET devices, and solid state transducers. PREREQ: ET 172.

ET 274 SOLID STATE DEVICES LAB II (0-4-1)(F/S). Laboratory exercises to complement ET 273. Study of characteristics of SCR devices, photodiodes and phototransistors, light emitting diodes, laser diodes, LASCR devices, power field effect transistors, solid state temperature sensors and strain gauges. PREREQ: ET 172.

ET 275 DIGITAL SYSTEMS III (2-0-2)(F/S). Study of various logic families. Data converting, analog-to-digital and digital-to-analog conversion, digital data compression techniques, digital data transmission and reception, microprocessor peripheral systems, memory devices and systems. PREREQ: ET 264.

ET 276 DIGITAL SYSTEMS LAB III (0-5-1)(F/S). Laboratory exercises to complement ET 275. See ET 275 course description. PREREQ: ET 264.

ET 277 MICROPROCESSOR SYSTEMS (2-0-2)(F/S). Study of microprocessor functions based on 6800 series microprocessor. Number systems, microprocessor basics, computer arithmetic, programming, central processor unit structure, and interfacing. PREREQ: ET 264.

ET 278 MICROPROCESSOR SYSTEMS LAB (0-5-1)(F/S). Laboratory exercises to complement ET 277. See ET 277 course description. PREREQ: ET 264.

ET 281 INTEGRATED CIRCUIT LAYOUT (2-0-2)(S). Lecture and drafting techniques used in the design of integrated circuit photolithographic masks. Focus to be on N-MOS silicon gate memory devices. PREREQ: ET 183.

ET 291 INTRODUCTION TO SOLID STATE PHYSICS (3-0-3)(S). A study of the interaction of wave phenomena (electromagnetic radiation, lattice vibration, and electrons) with the lattice in a solid. Attention is focused on an understanding of the electrical and thermal properties of solids, metals and semiconductors, in particular. Other selected topics from solid state and low temperature physics. PREREQ: PH 102 or PH 220-224.

ET 292 SOLID STATE DEVICE PHYSICS (3-0-3)(S). Introduction to the theory underlying the operation of semiconductor devices. The emphasis is placed on qualitative understanding and simple quantitative models. PREREQ: PH 291, ET 231 or M 204, C 131.

Ladders 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
Industrial Fire Protection FR 208	1
Aircraft Fire Protection FR 209	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 Service 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 degree of 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 hazard, the emergency scene, special hazards, and inspection 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 a 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 matter; mechanics of liquids; mechanics of gases; motion and force, work and machines; combustion and heat; magnet 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, sources of water supply, parts of a water distribution system, types of hydrants, different types of pressure, and types of water main valves. 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 for different types of fires. It will also provide instruction in the operations 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.

Fire Service Technology

Associate of Applied Science

The Fire Service Technology program is designed to up-grade 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 enter 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	3
Hose Techniques FR 110	2

*(For more information call
Clare Hopkins 334-3216)*

School of Vocational Technical Education

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 backboards 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 methods of maintaining it and putting it on. Proper methods for charging air cylinders and the limitations and the degree of protection of self-contained breathing equipment is also covered in this course. 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 advancing of 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, their parts and their uses will be covered in this course. Ladder raises, 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 (0-8-2). 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 (1-0-1). 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 responding in depth to essay questions regarding such topics as: Successful 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 Camp 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 valves on sprinkler systems, purposes of the three classes 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-and-wet 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, conflagration, 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 chemical/material exposure, major highway accident, aircraft accident, earthquake, fuel spill, forest 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 problems, 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 jet 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.

SUBJECTS	Fall	Spring	Summer
First Eight Week Block			
Introduction to Engines DM 106.....	3	-	-
Engine Component Systems DM 107..	2	-	-
Diesel Fuel Systems DM 108.....	2	-	-
TOTAL	7	-	-
Second eight week block			
Basic Hvy Equip Welding DM 109....	1	-	-
Clutches and Transmissions DM 110..	2	-	-
Power Take-off & Drive Lines DM 111	1	-	-
Differential, Power Dividers, Final Drive & Planetary Systems DM 112.	2	-	-
TOTAL	6	-	-
Third eight week block			
Basic Elec and Magnetism DM 113...	-	2	-
Batteries, Switches, Relays and Solenoids DM 114.....	-	2	-
Basic Hydraulics DM 115.....	-	2	-
TOTAL	-	6	-
Fourth eight week block			
Air Systems DM 116.....	-	2	-
Hydraulic Brakes DM 117.....	-	2	-
Steering and Susp Sys DM 118.....	-	2	-
Engine Brakes DM 119.....	-	2	-
Occupational Relations DM 262.....	-	2	-
TOTAL	-	10	-
Summer Session			
Project Lab/Lecture DM 120.....	-	-	8

Course Offerings

See page 20 for definition of course numbering system

DM HEAVY DUTY MECHANICS—DIESEL

DM 106 INTRODUCTION TO ENGINES (2-10-3)(F). Theory and principles of operation. Engine disassembly and assembly procedures including component identification and function, use of measuring instruments for precision parts measuring.

DM 107 ENGINE COMPENT SYSTEMS (2-5-2)(F). Intake and exhaust systems, lubrication systems, cooling systems, reconditioning cylinder heads and valve trains, turbo chargers, and super chargers.

DM 108 DIESEL FUEL SYSTEMS (2-5-2)(F). This course covers the five major types of diesel fuel injection pumps, injection nozzle rebuild and testing procedures, carburetors, fuel filters, fuel lines, and fuel transfer pumps.

Total 8 credits for this block—repeated in Fall Semester.

DM 109 BASIC HEAVY EQUIPMENT WELDING (1-1-1)(F). Includes basic theory and lab of arc and gas welding, related to the maintenance and repair of heavy equipment.

DM 110 CLUTCHES AND TRANSMISSIONS (2-5-2)(F). Covers complete disassembly and assembly of heavy duty single and double disk clutches and theory and operation of heavy duty manual transmission will complete disassembly and assembly procedures to factory specifications.

DM 111 POWER TAKE-OFF AND DRIVE LINES (1-3-1)(F). Will cover power take-off and drive line disassembly and assembly to factory specifications.

DM 112 DIFFERENTIAL, POWER DIVIDERS, FINAL DRIVE AND PLANETARY SYSTEMS (2-6-2)(F). Includes complete disassembly and assembly differentials, power dividers, basic final drive systems, and planetary systems in heavy duty equipment.

Total 8 credits for this block—repeated in Fall Semester.

DM 113 BASIC ELECTRICAL AND MAGNETISM THEORY (2-7-2)(S). Includes basic electricity and magnetism theory with electrical circuits and test equipment procedures and circuit testing with multimeter.

DM 114 BATTERIES, SWITCHES, RELAYS AND SOLENOIDS (2-7-2)(S). Introduction to batteries, switches, relays and solenoids, starter and charging systems used in electrical circuits of heavy duty equipment.

DM 115 BASIC HYDRAULICS (2-4-2)(S). Introduction to basic hydraulic theory and practices of hydraulic systems, lines, fittings, accumulators, oil coolers, circuits, valves, pumps and motors.

Total 8 credits for this block—repeated in Spring Semester.

DM 116 AIR SYSTEM (2-2-2)(S). Air compressors, air brakes, parking brakes, air cans, spring brake cans, slack adjustors, brake shoes, air tanks and air piping.

DM 117 HYDRAULIC BRAKES (2-2-2)(S). System components and functions, of brake systems including, brake shoes, drums, wheel bearings, wheel spindles, seals, brake adjustments.

DM 118 STEERING AND SUSPENSION SYSTEMS (2-2-2)(S). Suspension system including torsion bars, springs, air suspensions, wheels, tires, frames.

DM 119 ENGINE BRAKES (2-2-2)(S). Jacobs and Cummins C brake components and operation, retarders, construction and operation, shop skills, including sharpening drill bits and chisels, drilling and tapping holes, making copper and aeroquip lines, fittings and fasteners.

Total 8 credits for this block—repeated in Spring Semester.

DM 120 PROJECT LAB/LECTURE (10-25-8)(SU). Repair of outside projects in the heavy duty mechanical areas.

DM 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.

Horticulture Service Technician— Two Year Program

(Landscape Construction and Maintenance)

Associate of Applied Science Degree

Instructors: Gary Moen, Neldon Oylar

The objective of the Horticulture Program is to prepare students for employment in the Landscape, Nursery, Floral, Greenhouse, and Fruit and Vegetable industries. This includes the production, sales and service areas of these major fields. The program stresses the design of landscapes, their interpretation and construction including costs, production of nursery plants, plant propagation, and landscape planting. Graduates of the Horticulture program qualify for positions in Nursery and Floral establishments as well as in Parks, Grounds, Maintenance, and Highway departments. They may also enter the fields associated with plant propogation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Horticulture Laboratory HO 101-102.....	4	4
Communication Skills HO 111-112.....	3	3
Related Basic Mathematics HO 131-132.....	3	3
Related Basic Science HO 141-142.....	2	2
Horticulture Theory HO 151-152.....	7	7
TOTAL	19	19
SOPHOMORE YEAR		
Horticulture Laboratory HO 201-202.....	4	4
Related Science HO 241-242.....	2	2
Horticulture Theory HO 251-252.....	7	7
Occupational Relationships HO 262.....	2	-
Individual Project HO 271.....	-	3
Consumer Marketing MM 201.....	-	3
Salesmanship MM 101.....	3	-
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 by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants, climatic and other factors limiting growth; plant propagation, greenhouse, flower, plant production, and floral design.

HO 102 HORTICULTURE LABORATORY (0-15-4). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include soils and soil amendments; construction of growing containers and houses; implementation 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.

School of Vocational Technical Education

HO 141-142 RELATED BASIC SCIENCE (2-0-2). First semester—developing comprehension of the scientific principles utilized in plant identification, plant growth and development, limiting factors, development which aid plant propagation. Second semester—developing comprehension of the scientific principles utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides, soils and fertility.

HO 151-152 HORTICULTURE THEORY (7-0-7). First semester—developing comprehension, analysis and evaluation of: introduction to the field of horticulture, plant classification and growth, climate and other growth limiting factors, soil and soil amendments. Second semester—developing comprehension, analysis and evaluation of: plant propagation; growing containers; insect and disease control; pesticide application; 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: sprinkler design and installation; trees, grass and weed identification; basic landscape construction including turf grass installation, walks, patios and arbors.

HO 202 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.

HO 241 RELATED SCIENCE (2-0-2). Developing comprehension of the scientific principles utilized in plant growing, materials of construction, and weed control.

HO 242 RELATED SCIENCE (2-0-2). Developing comprehension of the scientific principles utilized in: power equipment, lawn and shrub maintenance, plant wounds, basic first aid, and insect control.

HO 251 HORTICULTURE THEORY (7-0-7). Landscape maintenance. Plant identification and uses. Landscape design, turf management, and shade tree identification and installation.

HO 252 HORTICULTURE THEORY (7-0-7). Principles of Landscape Design. Horticulture power machines and maintenance of tillers, mowers, shredders, construction design, nursery production, and garden center management.

HO 262 OCCUPATIONAL RELATIONS (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

HO 271 INDIVIDUAL PROJECTS (3-0-3). Providing the opportunity for the student to apply all his prior education in planning, developing, and completing a unique, practical horticulture project.

Industrial Environmental Technician Program

Associate of Applied Science

This double major option combines the Industrial Mechanics/Automation and Refrigeration, Heating and Air Conditioning curriculums. 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	Fall	Spring
Air Conditioning Lab RH 121-122	5	5
Air Conditioning Theory RH 141-142	10	10
*Occupational Relationships RH 262	-	2
TOTAL	15	17
Maintenance Welding Tech IM 101	3	-
Maintenance Machine Fund IM 102	-	3
Electro-Mechanical Systems IM 110-111	3	3
Basic Fluid Power Operations IM 121-122	3	3
Industrial Mechanical Laboratory IM 131-132	5	5
Industrial Technology Communications IM 162	2	-
*Occupational Relationships IM 262	-	2
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.

SUBJECTS	1st	2nd
	SEM	SEM
Maintenance Welding Technology IM 101	3	-
Maintenance Machine Fundamentals 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

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 operations. Wiring skills are emphasized and troubleshooting of complex circuitry 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 (0-20-5)(F/S). Laboratory experiences keyed 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 (0-20-5)(S). Laboratory experience keyed to Performance Based Objectives. Five areas are emphasized to prepare technicians for industrial environments. These areas include, but are not limited to: Metallurgy via machine tool use for maintenance and maintenance of this equipment, fluid power technologies, pneumatics, electromechanical systems enhanced by computer assistance where applicable.

IM 162 INDUSTRIAL TECHNOLOGY COMMUNICATIONS (2-0-2)(F). Computer/Numerical Control Literacy for the Industrial Technician. Problem solving with the Hewlett-Packard HP41 CV/IL System. Demonstrations of programming and operating techniques are given the student for controlling/communicating with automated production equipment.

IM 262 OCCUPATIONAL RELATIONS (2-0-2)(S). Course is designed to enable a student to become skilled in dealing effectively with people in an industrial environment. Communication and writing skills for applying for, obtaining, retaining and advancing in employment are offered.

Machine Shop—Two Year Program

Associate of Applied Science Degree
Instructors: Gus Glassen, Don Wertman

Boise State University offers a specialized Machine Shop program for students desiring to become machine tool operators. Students receive instruction in the set-up and use of all basic machines including engine lathes, milling machines, grinders, surface grinders, computer numerical control machines and bench work connected with them. Students will also learn about the many different materials and processes used by industry. They will receive classroom instruction and practical experience in the use of various precision measurement and test equipment being used by metals manufacturing industries.

Students who choose not to take CM 111 and two approved electives will receive a Diploma in Machine Shop.

FRESHMAN YEAR	Fall	Spring
Machine Shop Laboratory MS 103, 104	6	6
Communication Skills MS 111	3	-
Related Blueprint Reading MS 126, 127	2	4
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

MS MACHINE SHOP

MS 103 MACHINE SHOP LABORATORY (2-18-6)(F). This sequence covers safety, shop practice, work habits and production rates. Also included are the set-up and operation of inspection and layout tools, engine lathe, vertical milling machine, horizontal milling machine, and power saws. COREQ: MS 153.

MS 104 MACHINE SHOP LABORATORY (2-18-6)(S). This sequence covers safety shop practice, work habits and production rates. Also included are the set-up and operation of drill press, jig bore, surface grinders, and computer numerical control milling machine. PREREQ: MS 103. COREQ: MS 154.

MS 111 COMMUNICATION SKILLS (3-0-3)(F). An examination of interpersonal communication. Focuses on communication in life-long learning, on awareness of self, communicative relationships and written communications.

MS 126 RELATED BLUEPRINT READING (2-0-2)(F). Introduction to the basic principles and techniques of reading orthographic projection drawings and technical sketching as applied to machine shop practice.

MS 127 RELATED BLUEPRINT READING (4-0-4)(S). A course in advanced principals to understand the reading of more complicated machine shop detail and assembly drawings with emphasis on machining specifications and materials. PREREQ: MS 126.

MS 132 BASIC MATH (2-0-2)(F). A study of fractions, decimals, metric system and basic math processes such as addition, subtraction, division and multiplication as applied to the machine shop.

MS 153 MACHINE SHOP THEORY (3-0-3)(F). Machining processes and their application as practiced in the laboratory course. Safety and sound work habits are emphasized in all phases of instruction. The set-up, care and maintenance of inspection and layout tools, engine lathe, vertical milling machine, horizontal milling machine, and power saws. COREQ: MS 103.

MS 154 MACHINE SHOP THEORY (3-0-3)(S). Machining processes and their application as practiced in the laboratory course. Safety and sound work habits are emphasized in all phases of instruction. The set-up, care, and maintenance of drill presses, jig bore, surface grinders, basic computer numerical grinders, and basic computer numerical control milling machine. PREREQ: MS 153. COREQ: MS 104.

MS 203 ADVANCED MACHINE SHOP LABORATORY (2-18-6)(F). The set-up and operation involving manipulative development and advanced skill in the use of engine lathes, vertical milling machines, drill presses, power saws, surface grinders, advanced computer numerical control milling machines, and basic computer numerical control lathe. PREREQ: MS 104.

MS 204 ADVANCED MACHINE SHOP LABORATORY (2-18-6)(S). The set-up and operation involving manipulative development and advanced skills in the use of inspection and layout tools, engine lathe, vertical milling machine, advanced computer numerical control lathe, operation and programming. PREREQ: MS 203.

MS 211 FUNDAMENTALS OF COMPUTER-AIDED DRAFTING & DESIGN (1-1-1)(F). 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 machine standards. Students will learn to use an interactive computer graphics system to prepare drawings on CRT.

MS 223 BLUEPRINT READING AND LAYOUT FOR THE MACHINIST (1-0-1)(F). Three dimensional drawing and hand-sketching of computer numerically controlled prints and computer numerically controlled tools as applied to the machinist trade.

MS 224 TOOL DESIGN FOR MANUFACTURING (2-0-2)(S). This course is an introduction to tool design for the machinist. It will prepare the student to understand design of fixtures, jigs, and tools used in the machining trade. PREREQ: MS 223.

MS 233 ADVANCED MATH (6-0-6)(F). Fundamentals of algebra and basic operations with signed numbers, powers and roots to solve equations encountered in using machine shop formulas. Instruction in ratio, direct and inverse proportions is also included. PREREQ: MS 132.

MS 234 ADVANCED MATH (6-0-6)(S). A study of advanced math and scientific principles as required in the machinist trade is provided to solve more complicated problems and utilizing plane geometry and trigonometry. PREREQ: MS 233.

MS 253 ADVANCED MACHINE SHOP THEORY (2-0-2)(F). The advanced programming of computer numerical controlled milling machine and basic programming of computer numerical controlled lathe. PREREQ: MS 154.

MS 254 ADVANCED MACHINE SHOP THEORY (2-0-2)(S). The advanced programming of computer numerical control lathe and building of fixtures and jigs.

MS 262 OCCUPATIONAL RELATIONS (2-0-2)(S). An examination of occupational requirements. Focuses on job seeking skills, employer and employee relations, social security and workmen's compensation laws, CPR, and first aid skills.

Manufacturing Technology—Two Year Program

Associate of Applied Science Degree

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 analyze and work to improve the three common elements of production manufacturing, which are employees, materials and machines.

FRESHMAN YEAR	1st SEM	2nd SEM
Material & Process Manufacturing MN 100	2	-
Technical Drawing EN 101	2	-
Fund of Speech Comm CM 111	3	-
AC/DC Theory MN 121	2	-
Mathematics DT 131	4	-
Intro to Machining Processes I MN 141	3	-
Comp Literacy for Electronic Tech ES 188	2	-
Engineering Graphics EN 108	-	2
Industrial Safety MN 112	-	2
Communication Skills ES 114	-	3
Welding Processes MN 122	-	4
Mathematics DT 132	-	3
Adv Machining Processes II MN 180	-	3
TOTAL	18	17
SOPHOMORE YEAR		
Communication Skills ES 191	3	-
Quality Assurance & Stat Proc Control MN 201	4	-
Robotics & Automated Mach Tool Prog MN 211	2	-
Unified Tech Concepts-Physics MN 231	4	-
Jig, Fixture & Tool Design MN 261	3	-
Manufact Plan & Facil Design/Mod MN 202	-	3
Prin of Economics-Micro EC 202	-	3
Comp Aided Design/Comp Aided Manuf MN 212 ..	-	3
Interpersonal Comm CM 221	-	3
Electrical/Electronics Drafting MN 222	-	3
Hazardous Waste Material Handling MN 232	-	2
TOTAL	16	17

School of Vocational Technical Education

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 shearing; and the basic surface protection processes such as cleaning, painting and plating.

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). Oxy/acetylene 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, hardness testing, layout inspection, and computer numerical control mill set-up, operation and programming. PREREQ: 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. PREREQ: 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.

MN 212 COMPUTER AIDED DRAFTING/COMPUTER AIDED MANUFACTURING (2-4-3)(F/S). Writing computer numerical control (CNC) machine tool programs using computer-assisted techniques to generate machine firm-ware, set up and operation, development of tooling concepts, preset cutting tooling, machine methods, definition of part geometry, writing of tool motion statements, use of the computer to process program inputs, analysis, and debugging of computer outputs to develop a functional program.

MN 222 ELECTRICAL/ELECTRONICS DRAFTING (1-8-3)(F/S). Mechanical and Computer Assisted Drafting (CAD) techniques and standards for developing electrical and electronic schematics and drawings.

MN 231 UNIFIED TECHNICAL CONCEPTS PHYSICS (3-4-4)(F/S). The study of technical principles in such a manner as to make them readily understood and applicable in different technologies—those that include electrical, mechanical, fluidal, and thermal systems, and combinations thereof. This course blends the useful technical principles with laboratory practice on realistic devices that are commonly utilized by technicians in a process/manufacturing environment. PREREQ: DT 132 or equivalent.

MN 232 HAZARDOUS WASTE MATERIALS HANDLING (2-0-2)(F/S). Fundamentals of identifying, handling, processing and treatment of hazardous wastes generated in the manufacturing environment.

MN 261 JIG, FIXTURE & TOOL DESIGN (1-8-3)(F/S). Development of manufacturing plans for efficient manufacture of moderately complex products to be produced in moderate volumes using production manufacturing: machines, setups, and jig and fixtures. Emphasizes development and fabrication of control equipment, and actual moderate volume production. PREREQ: DT 132, COREQ: MN 212.

Marketing—Mid-Management— Two Year Program

Associate of Science Degree

Instructors: Richard Lane, Duston Scudder

FRESHMAN YEAR

	1st SEM	2nd SEM
English Composition E 101, 102.....	3	3
Introduction to Business GB 202.....	3	

Math or Information-Decision Science Elective....	-	4
Salesmanship MM 101.....	3	-
Introduction to Financial Accounting AC 205.....	-	3
Principles of Economics-Macro EC 201.....	-	3
Mid-Management Practicum MM 100.....	2	2
Elements of Management MM 105.....	3	-
Fundamentals of Speech Comm CM 111.....	3	-
TOTAL	17	15

SOPHOMORE YEAR

Consumer Marketing MM 201.....	3	-
Principles of Economics-Micro EC 202.....	3	-
Principles of Advertising MM 203.....	-	3
Report Writing MM 209.....	3	-
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 Bowman, Noreen Heist, Dessa Lagerstrom,
Donna McCulloch, 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 treated conditions, the care of sick children, new mothers and infants, rehabilitation and remotivation techniques in the care of the aged and long-term patient. Failure to meet requirements in either theory or clinical areas may result in termination from the program.

Admission Requirements: High school graduate or pass the General Educational Development Test. Satisfactory scores on the pre-entrance test, which is given by Boise State University. A complete medical examination is required. The applicant will be interviewed by a committee. Thirty-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.....	1
Anatomy and Physiology for Prac Nurs PN 102.....	4
Medical-Surgical Nursing Clinical PN 104.....	7
Nutrition and Diet Therapy PN 105.....	2
Emergency Nursing Concepts PN 106.....	2
Pharmacology for Practical Nursing PN 107.....	3
Pharmacology Clinical PN 108.....	1
Geriatric Nursing PN 109.....	1
Geriatric Clinical PN 110.....	1
Maternal and Infant Clinical PN 112.....	1
Pediatric Clinical PN 113.....	2
Fundamentals of Nursing PN 114.....	5
Clinical Foundations PN 115.....	3
Community Health and Microbiology PN 120.....	1

Medical-Surgical Nursing I PN 121	8
Medical-Surgical Nursing II PN 122	7
Growth and Development PN 123	1
Maternal and Infant Health PN 124	2
Pediatric Nursing PN 125	2
Mental Health and Mental Illness PN 126	2
Intro Comp Appl Occup Relat PN 180	1
TOTAL	58

Course Offerings

See page 20 for definition of course numbering system

PN PRACTICAL NURSING

PN 101 PROFESSIONAL CONCEPTS (1-0-1)(F/S). Topics of study for Practical Nursing Professional Concepts will 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 (0-20-7). Clinical experience for PN 121-122.

PN 105 NUTRITION AND DIET THERAPY (2-0-2). An introduction to nutrition and identification of body nutritional needs in health and illness, including the study of diet therapy.

PN 106 EMERGENCY NURSING CONCEPTS (2-0-2). A study of assessment and immediate and temporary treatment of persons involved in accidents or other emergency situations.

PN 107 PHARMACOLOGY FOR PRACTICAL NURSING (3-0-3). A study of drug classification, modes of administration and principles of mathematics essential to drug administration.

PN 108 PHARMACOLOGY CLINICAL (0-4-1). Clinical experience for PN 107. PREREQ: PN 107.

PN 109 GERIATRIC NURSING (1-0-1). A study of the health needs and problems particular to the elderly patient.

PN 110 GERIATRIC CLINICAL (0-4-1). Clinical experience for PN 109. PREREQ: PN 109.

PN 112 MATERNAL AND INFANT CLINICAL (0-4-1). Clinical experience for PN 124. PREREQ: PN 124.

PN 113 PEDIATRIC CLINICAL (0-8-2). Clinical experience for PN 125. PREREQ: PN 125.

PN 114 FUNDAMENTALS OF NURSING (3-4-5). The student will develop skills in activities and procedures basic to patient care and includes medical terminology.

PN 115 CLINICAL FOUNDATIONS (0-12-3). Clinical experience for PN 114. PREREQ: PN 114.

PN 118 PRACTICAL NURSING SPECIAL THEORY (V-V-1 to 10). Designed to provide the opportunity for study of a specific unit of theory. The topic offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.

PN 119 PRACTICAL NURSING SPECIAL CLINICAL (V-V-1 to 10). Designed to provide the opportunity for specific clinical experience. The clinical offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.

PN 120 COMMUNITY HEALTH AND MICROBIOLOGY (1-0-1). A study of the health needs of the individual, the family, the community and microbiology.

PN 121 MEDICAL AND SURGICAL NURSING I (8-0-8). A study of diseases and disorders of the body systems including planning, implementation and evaluation of nursing care.

PN 122 MEDICAL AND SURGICAL NURSING II (7-0-7). Continuation of the study of body systems and nursing care. PREREQ: PN 121.

PN 123 GROWTH AND DEVELOPMENT (1-0-1). A study of normal growth and development.

PN 124 MATERNAL AND INFANT HEALTH (2-0-2). A study of the obstetric patient and the neonate both in health and illness.

PN 125 PEDIATRIC NURSING (2-0-2). A study of health, diseases and disorders of children.

PN 126 MENTAL HEALTH AND MENTAL ILLNESS (2-0-2). A study designed to enable the student to become skilled in dealing effectively with people including mental health and the signs and symptoms of mental illness.

PN 180 INTRO COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (1-0-1)(F/S). A study of job seeking skills, written communication and hands-on use of computer technology to complete personal data packet.

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

Basic Operation TD 100	3
Safe Operating Procedures TD 105	3
Advanced Operating Practice TD 110	2
Vehicle Maintenance TD 115	4
Transportation Systems Management TD 120	3
TOTAL	15

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 vehicle 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	Fall	Spring
Air Conditioning Lab RH 121-122	5	5
Air Conditioning Theory RH 141-142	10	10
Occupational Relationships RH 262	2	-
TOTAL	17	15

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/S). 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 (10-0-10)(F/S). 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 Nuernberg, Dr. Charles Reed,
Denise Voigt, Barbara Wixom

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 care experience in treatment of respiratory disease. The various acute 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

Anatomy & Physiology RS 111	6
Basic Science RS 112	2
Clinical Assessment RS 113	2
Gas Therapy Theory RS 114	2
Gas Therapy Lab RS 115	1
Intro to Respiratory Therapy RS 116	1
Communications RS 117	1
Intermittent Positive Pressure Breathing RS 118	1
Microbiology RS 119	1
Pharmacology RS 120	3
Clinical Practicum I RS 121	2
TOTAL	22

SPRING SEMESTER

Cardiopulmonary Pathophysiology RS 151	5
Cardiopulmonary Resuscitation RS 152	2
Electrocardiography RS 153	1
Mechanical Ventilation Theory RS 154	1
Mechanical Ventilation Lab RS 155	1
Pulmonary Function Theory RS 156	2
Pulmonary Function Lab RS 157	2
Clinical Practicum II RS 158	4
TOTAL	18

SUMMER SEMESTER

Clinical Lecture Series RS 175	3
Respiratory Care Review RS 176	5
Clinical Practicum III RS 179	8
TOTAL	16

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 (2-0-2)(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 (0-8-2)(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 (0-32-7)(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, rotary tillers 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 AM 180	-	1
Occupational Relationships SE 181	-	1
TOTAL	14	16

*See Auto Mechanics Program for course description.

Course Offerings

See page 20 for definition of course numbering system

SE 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 (1-0-1)(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: Merle Curtis

The Surgical Technology Program is a competency based curriculum containing modules developed for individual student progress. Each of the classes contains modules complete with reading assignments, laboratory practice assignments and a written test to let the student know when mastery of the module has been accomplished. All modules must be successfully completed to qualify for a Certificate of Completion.

The student is required to be concurrently enrolled in Human Anatomy and Physiology Z 111, Z 112, and First Aid Core Block I, or have recently completed those classes successfully (C or better.)

Classes begin Fall Semester only.

	1st SEM	2nd SEM
ST 100 Introduction & Basic Sciences	3	-
ST 101 Operating Room Techniques	4	-
ST 102 Sterilization & Disinfection	-	1
ST 110 Care of Surgical Patient	4	-
ST 111 Surgical Procedures	-	7
ST 131 Clinical Practice	3	-
ST 132 Advanced Clinical Practice	-	6
PE 121 Standard First Aid and CPR	1	-
Z 111 Anatomy and Physiology	4	-
Z 112 Anatomy and Physiology	-	4
TOTAL	19	18

Course Offerings

See page 20 for definition of course numbering system

ST SURGICAL TECHNOLOGY

ST 100 INTRODUCTION AND BASIC SCIENCES (3-0-3)(F). Includes modules: (1) The Health Care Team and its Language; (2) The Evolution of Asepsis; (3) Ethical Moral and Legal responsibilities; (4) The Operating Room Suite, (5) Principles of Asepsis; (6) Introductory to Pharmacology; (7) Introduction to Oncology; (8) Disease Conditions; (9) Diagnostic Procedures; (10) Communication in Surgical Technology, including introduction to computers.

ST 101 OPERATING ROOM TECHNIQUES (3-3-4)(F). Includes modules: (1) Safety and Economy in the Operating Room; (2) Duties of the Scrub and Circulating Technician; (3) The Surgical Hand Scrub, Gowning and Gloving; (4) Draping Techniques; (5) Sutures and Needles; (6) Sponges, Dressings, Drains, Care of Specimens; (7) Instruments and Special Equipment.

ST 102 STERILIZATION AND DISINFECTION (1-1-1)(S). Includes modules: (1) Introduction to Microbiology—The Microbe; (2) Introduction to Microbiology—The Body's Defenses; (3) Injury, Wound Healing and Hemostasis; (4) Infection—The Process, Prevention and Control; (5) Sterilization and Disinfection Methods.

ST 110 CARE OF THE SURGICAL PATIENT (3-3-4)(F). Includes modules: (1) The Patient; (2) Preparation of the Surgical Patient; (3) Transportation of the Surgical Patient; (4) Positioning the Surgical Patient; (5) Anesthesia; (6) Recovery Room and Emergency Room Care.

ST 111 SURGICAL PROCEDURES (6-4-7)(S). Modules: (1) General Surgical Procedures; (2) General Abdominal Procedures; (3) Orthopedic Surgery; (4) Obstetric and Gynecological Procedures; (5) Genitourinary and Transplant Surgery; (6) Plastic Surgery; (7) Ophthalmic Surgery; (8) Ear, Nose, Throat, Oral Surgery; (9) Neurosurgery; (10) Microsurgery; (11) Cardiovascular and Thoracic Surgery; (12) Pediatric and Geriatric Surgery. Each of the modules includes a brief history, procedures, special considerations and the drugs used.

ST 131 CLINICAL PRACTICE (2-6-3)(F). Includes patient care and beginning experience in the operating rooms, outpatient surgery and central supply.

ST 132 ADVANCED CLINICAL PRACTICE (4-8-6)(S). Includes advanced experience in surgery, scrubbing, and circulating.

Water/Wastewater Technology— Eleven Month Program

Certificate of Completion
Instructor: Al Hodge

The Water/Wastewater Technology Program is designed to prepare a student for employment as an entry level water/wastewater treatment plant operator. The program covers all phases of treatment plant operations, related math and sciences, maintenance, public relations, communications and report writing. Hands-on experience is provided when the student works at an area water or wastewater facility.

SUBJECTS	1st SEM	2nd SEM
Water/Wastewater Mechanical Lab I WW 110	5	-
Water/Wastewater Mechanical Lab II WW 111	-	5
Water/Wastewater Bio-Chem Lab I WW 120	5	-
Water/Wastewater Bio-Chem Lab II WW 121	-	5
Water/Wastewater Math I WW 133	3	-
Water/Wastewater Math II WW 134	-	3
Water/Wastewater Plant Operations I WW 153	3	-
Water/Wastewater Plant Operations II WW 154	-	3
Occupational Relations WW 262	-	2
TOTAL	16	18

SUMMER

Water/Wastewater In Plant Practicum WW 161

Course Offerings

See page 20 for definition of course numbering system

WW WASTEWATER TECHNOLOGY

WW 110 WATER/WASTEWATER MECHANICAL LAB I (3-8-5)(F). Introduction to and use of hand tools, power tools, bench mounted tools and presses. Nomenclature of the various types of pumps, blowers, air compressors, clarifiers and other machinery used in water/wastewater treatment. Reading blueprints and schematics, learning basic skills of pipefitting.

WW 111 WATER/WASTEWATER MECHANICAL LAB II (3-8-5)(S). Hands on assembly and disassembly of the various pieces of machinery used in the treatment processes. Installation of packing and mechanical seals in pumps and valves. PREREQ: WW 110.

School of Vocational Technical Education

WW 120 WATER/WASTEWATER BIO-CHEM LAB I (3-0-5)(F). Introduction to standard laboratory equipment, maintenance of equipment, safety procedures and practices. Some basic water and wastewater testing will be performed.

WW121 WATER/WASTEWATER BIO-CHEM LAB II (3-0-5)(S). Continuation of laboratory procedures. Standardization of chemicals and testing apparatus. Maintenance of lab equipment. Chemistry mathematics dealing with the normalizing of solutions, balancing reaction equations. Testing procedures required for the various methods of activated sludge process control, as well as tests required for N.P.D.E.S. permit reporting will be performed. Procedure and logic for research testing will be introduced. PREREQ: WW 120.

WW 122 IN PLANT PRACTICUM (8-0-0)(SU). Supervised experience in area wastewater facilities. Students gain experience in all phases of wastewater treatment in a variety of facilities and with several processes.

WW 133 WATER/WASTEWATER TECHNICAL MATHEMATICS I (3-0-3)(F). Calculation of length, area and volume of various shapes of containers. Calculation of flow rates, velocity, force, pressure and hydraulic heads. Calculations relating to those treatment processes covered.

WW 134 WATER/WASTEWATER TECHNICAL MATHEMATICS II (3-0-3)(F). Intermediate mathematics covering algebra, chemistry calculations, geometric means, logarithms, electrical circuitry, horsepower calculations. PREREQ: WW 133.

WW 153 WATER/WASTEWATER TREATMENT PLANT OPERATIONS I (3-0-3)(F). Introduction to treatment plant operations, including well construction, distribution systems, collection systems, pre-treatment, primary sedimentation, aerobic and anaerobic digester operations. Related math, communication skills and chemistry.

WW 154 WASTEWATER TREATMENT PLANT OPERATIONS II (3-0-3)(S). Advanced treatment processes including coagulation, flocculation, sedimentation, softening, stabilization, fluoridation and defluoridation, chlorination, dechlorination and secondary treatment processes including trickling filters, aerobic biological filters, rotating biological contractors, oxidation ditches with heavy emphasis on activated sludge process control. Plant interaction, report writing, budget preparation and finance and related safety. PREREQ: WW 153.

WW 161 WATER/WASTEWATER IN PLANT PRACTICUM II (3-0-3)(SU). 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 (2-0-2)(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.

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 metallic arc welding (SMAW), gas metal arc welding (GMAW)(MIG), flux cored arc welding (FCAW), gas tungsten arc welding (GTAW)(TIG) (Heli-Arc), oxygen-acetylene burn: (OA) manual, semi-automatic, and automatic burn, 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 continual emphasis on safety.

SUBJECTS	Fall	Spring	Summer
Lab W 101-102-103	5	5	7
Theory W 151-152	4	1	-
Blueprint Read & Layout W 121-122 ...	3	7	-
Welding Communication W 111	3	-	-
Occupational Relations W 262	-	2	-
TOTAL	15	15	7

Course Offerings

See page 20 for definition of course numbering system

W WELDING

W 101-102 WELDING LABORATORY (0-20-5)(F/S). The basic to intermediate portion of this program includes electric arc (SMAW) with mild and low alloy steel electrodes, oxygen-acetylene (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen-acetylene cutting of steel, and the use of carbon arc cutting equipment.

W 103 WELDING LECTURE/LABORATORY (3-30-7)(SU). 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.

W 111 WELDING COMMUNICATIONS (3-0-3)(F). An examination of interpersonal communication. Focuses on communication in life-long learning, awareness of self, communicative relationships and written communications.

W 121-122 BLUEPRINT READING AND LAYOUT (3-0-3)(F), (7-0-7)(S). Fall semester will include blueprint, basics of structural steel layout and fitting procedures. Spring semester will include advanced structural steel and basic plate drawing including field assembly plans and related math.

W 151-152 WELDING THEORY (4-0-4)(F), (1-0-1)(S). The theory for the program covers all areas as related to the lab portion as well as material identification, material strength, forming methods, cast iron, material rigging and handling, and all aspects of safety.

W 262 OCCUPATIONAL RELATIONSHIPS (2-0-2)(S). An examination of occupational requirements. Focuses on job seeking skills, employee and employer relations, social security, job safety laws and workmen's compensation laws, C.P.R. and First Aid.





Graduate College

Dean: Kenneth M. Hollenbaugh, Ph.D.
Math/Geology Building, Room 124
Telephone (208) 385-3647

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. Beyer, Ph.D., Chairperson and Professor of English

Exercise & Sports Studies: Glenn R. Potter, Ed.D., Chairperson and Professor of Physical Education

Geology: Craig White, Ph.D., Chairperson and 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

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 Affairs: James B. Weatherby, Ph.D., Associate Professor and Director of Public Affairs

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

Graduate College

in Exercise and Sports Studies, Master of Public Affairs, 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 and a Master of Science in Geophysics.

Areas of Emphasis: The Master of Arts/Science in Education includes eight areas of emphasis: (1) Art, (2) Curriculum and Instruction, (3) Early Childhood, (4) Earth Science, (5) Instructional Technology, (6) Mathematics, (7) Reading, (8) Special Education.

The Master of Public Affairs Degree Program has three areas of emphasis: (1) General, (2) Human Services, and (3) Criminal Justice.

Graduate Faculty

The graduate faculty is comprised of those full-time faculty who have been approved by the Graduate Council to teach graduate level courses, participate in the conduct of the graduate programs and supervise graduate students. Members of the graduate faculty are reviewed on a three year cycle to document their participation in graduate education activities.

Part-time faculty who are approved by the Graduate Council to teach a graduate course 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, nor the original returned to the applicant or forwarded to any agency or other college or university.

Admission to the Graduate College

A student may be admitted to the Graduate College at Boise State University when the following admissions criteria have been met:

1. The applicant has earned a baccalaureate degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average which meets the minimal requirements of the college in which he or she wishes to enroll.
3. Completion of the predictive examination required by the department as listed under department criteria.
4. Recommendation for admission by the department in which the applicant expects to work and approval by the Graduate College.

Graduate Status Classification for Matriculated Students: 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.

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 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.

Scholarship Requirements

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate College upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate College, a student must achieve a grade point average of B (3.00) or better in all work exclusive of deficiencies, specifically included in his 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. Grades on transfer work will not be included in computing grade point average.

Repeat, Retake Policy: A student who earns a grade of D in a graded 500 level course at BSU may include no more than one repeated course toward a Master's Degree Program. A student who earns a grade of F may not count a retaken course toward any Master Degree Program at Boise State University. Therefore, a student who receives an F in a required course is automatically excluded from further Master degree work. With a D in one of these courses there is a single chance of redemption.

Credit Requirements: A minimum of thirty semester credits of coursework approved by the graduate student's supervisory committee is required. More than thirty semester credits may be required in certain programs.

Supervisory Committee Assignment: Upon admission of the applicant with regular graduate status, a supervisory committee, consisting of a chairperson and other faculty members, will be appointed by the department fielding the program. This supervisory committee or the advisor, as determined within each degree program of study, will establish with the student a program of study, direct any thesis or graduate projects and administer final examination(s).

Students admitted with provisional status will be assigned a temporary advisor who will be responsible for building a tentative program of 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 con-

cerned will recommend to the Dean of the Graduate College that the student be admitted with regular graduate status.

Residence Requirements: A minimum of twenty-one semester credits of approved graduate work taken on the university campus is required. This requirement does not apply to students enrolled in any inter-institutional cooperative graduate program offered jointly by BSU and the other Idaho universities.

Transfer of Credits: A maximum of nine semester graduate credits taken at other institutions may be transferred for credit toward a Master degree provided the courses are an acceptable part of the program of study planned by the student's supervisory committee. Such courses must have been taken in an accredited college or university. Only courses with A or B grade may be transferred to Boise State University for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exception may be made by departments after a detailed examination of the specific courses taken. No correspondence course will be accepted for graduate credit. All appropriate graduate work taken through inter-institutional cooperative graduate programs, if approved by the college fielding the program, can be accepted as residence credit.

Challenge Policy: The provisions of the challenge policy stated in the Catalog Section, "Admission Requirements to the College" under subsection "Challenging Courses, Granting Credit by Examination" apply to graduate courses. In particular, the decision to allow or not to allow challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the college officer in charge of the graduate program to which the course applies.

Program Admission and Continuation Requirements

Application for Predictive Examinations: Predictive examination scores may be required by certain departments. With respect to those departments which stipulate as part of the admissions criteria performance scores from predictive examinations, it is necessary that application be made without delay to take the examination. Education and Public Affairs 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 Affairs, 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 Program Development Form with the Graduate College upon completion. Each change in program must be completed by filing a new Program Development Form showing the changes from the previous form.

Any courses being offered as transfer credit, as credit reserved, or as residence credit through any inter-institutional cooperative program must be claimed at the time the Program Development Form is originally filed, or before the end of the first academic period (summer, fall or spring) after which the credit has been earned, whichever is the earlier date.

It is the responsibility of the graduate student to keep all program changes up to date for a graduate degree.

Time Limitations: All work offered toward a Master's degree from Boise State University must be completed within a period of seven calendar years. The seven-year interval is to commence with the beginning of the oldest course (or other academic experience) for which credit is offered in a given Master Degree Program, and the interval must include the date of graduation when the Master degree from BSU is given.

Foreign Language Requirements: Language requirements are determined by the department concerned. If a foreign language is required, students must demonstrate that they possess a reading knowledge of a language specified by the department.

Thesis Requirements: The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. The final copy of the thesis must be reviewed by the student's supervisory committee and submitted to the Dean of the Graduate College at least three weeks before commencement.

Candidacy: Students should apply for admission to candidacy and graduation as soon as they have completed twelve hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, have removed all listed deficiencies, and have met any specific foreign language requirements.

Candidacy involves specifying, on the appropriate form, the list of courses and projects which comprise the student's program. Changes in the planned program after admission to candidacy must be recommended in writing by the student's committee or advisor and be approved by the Dean of the Graduate College.

Final Examination Requirements: The requirements of a final examination, written, oral, or both, in any non-thesis non-project program is optional with the department or interdisciplinary unit which 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:

580-589	Selected Topics
590	Practicum
591	Project
592	Colloquium
593	Research and Thesis
594	Extended Conference or Workshop (graded A through F)
595	Reading and Conference
596	Directed Research
597	Special Topics
598	Seminar
599	Short-Term Conference or Workshop*

*Graded Pass or Fail. This number is available in any semester or session for courses meeting 3 weeks or less.

Graduate College

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

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or college.
2. G courses carry graduate credit for students both in the department or college and for other students as well.
3. Graduate students enrolled in G or g courses will be required to do extra work in order to receive graduate credit for the courses.

Application for Graduate Degree

The last step in completing a graduate program consists of arranging for final record checking. To accomplish this, one completes the form 'Application for Graduate Degree' which can be obtained from the Graduate Admissions Office. This form, with all appropriate signatures, is to be submitted to the Graduation Office along with a \$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 holding a Bachelor's degree in Business normally will have completed most of these requirements as part of their undergraduate program. The Master of Business Administration program is also designed to serve the student who has completed his 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 (particulars available from the MBA Program Coordinator), and
2. two letters of reference, one, preferably, from an academic source.

Specific Prerequisites for Applicants: All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrolling in the graduate classes. (New applicants for the programs should furnish documentary evidence of GMAT scores and copies of official transcripts upon initial application. For fall enroll-

ment, students should arrange to take the GMAT by March. For spring enrollment, the GMAT should be taken no later than the October or November test date.)

1. Possession of a Bachelor's degree from an accredited institution.
2. Demonstration of satisfactory academic competency by virtue of acceptable scores achieved by either of the following formulae: 1) 200 x overall GPA plus GMAT score must equal or exceed 1050, or 2) 200 x junior/senior GPA plus GMAT score must equal or exceed 1100.
3. For foreign students, in addition to the above formulae minima, a score of 550 on the TOEFL, or its equivalent, is necessary.
4. All applicants must have two years significant work experience or a 500 minimum GMAT score.
5. All applicants must be accepted by the Graduate College of Boise State University in order to achieve the Master degree.

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	27
Advanced Courses	21
Electives	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.

AC 511 ACCOUNTING FOR MANAGERS (3-0-3)(F). The student can expect to develop a working knowledge of financial and managerial accounting tools, techniques and procedures.

DS 513 BUSINESS STATISTICS (3-0-3)(F). This course examines the use of statistics in decision-making. Presentation and summarization of data, estimation, hypothesis testing, regression analysis, analysis of variance, time series and forecasting, and non-parametric methods.

DS 523 PRODUCTION AND SYSTEMS MANAGEMENT (3-0-3)(S). This course stresses the management of the production function: analysis, design and layout, scheduling, time and motion study, quality control, and material acquisition. Also included are management information systems and the system's development process from feasibility study through system implementation. PREREQ: DS 513.

EC 514 ECONOMIC THEORY AND ANALYSIS (3-0-3)(F). This course is an accelerated, integrated introduction to economic analysis of the price system and the aggregate performance of developed economies. Supply and demand, basic market structures, income distribution, employment, inflation, growth and international trade.

FI 525 CORPORATE FINANCE (3-0-3)(S). Concepts and techniques of corporate institutional and investment finance are examined. These include time value of money, corporate banking relationships, current assets management, and efficient markets. PREREQ: AC 511, DS 513.

GB 516 LAW FOR MANAGERS (3-0-3)(F). This course explores the history and development of the partnership and corporate forms of business organization and the legal environment which creates and regulates a manager's duties toward the corporation, employees, shareholders, and members of the general public.

MG 528 ORGANIZATIONAL THEORY AND BEHAVIOR (3-0-3)(S). This course covers the process of planning, organizing, directing, and controlling. Main topics include theories of organizational performance, structure and design, interpersonal and leadership skills. Emphasis is placed on application of theory to business situations and development of interpersonal skills.

MK 529 MARKETING MANAGEMENT (3-0-3)(S). This course includes a comprehensive examination of the activities and models used in marketing. It also includes identifying and interpreting buyers' needs, market segmentations, and designing a balanced marketing program.

ADVANCED COURSES

AC 531 ACCOUNTING—PLANNING AND CONTROL (3-0-3)(F/S). This course includes the study of the planning and control processes to assist in the making of business decisions. Problems and cases are considered in profit planning and analysis, cost and analysis for pricing and capital budgeting. The overall objective is an understanding of techniques of cost planning and control. PREREQ: AC 511 or equivalent.

DS 533 DECISION ANALYSIS (3-0-3)(F/S). A study of decision-making in complex situations. Aids for identifying and modeling the decision problem, analyzing and responding to multiple objectives, utilizing subjective inputs, and evaluating and incorporating information. PREREQ: DS 513 or equivalent.

FI 545 ADVANCED FINANCIAL MANAGEMENT (3-0-3)(F/S). An analysis of financial planning and control in the dynamic environment of changing financial markets. Risk-return analysis, capital budgeting, debt-equity financing, dividend policy, and merger and acquisitions are major topics. PREREQ: EC 514 or equivalent.

GB 536 BUSINESS IN A GLOBAL SOCIETY (3-0-3)(F/S). This course is an examination of the interaction between business and the economic, social, political and legal order on a national and international basis. A case approach is used to focus attention on effects of this broad environment on managers. Some ethical issues and cross-cultural issues are explored. PREREQ: GB 516 or equivalent.

GB 546 STRATEGIC MANAGEMENT (3-0-3)(F/S). This capstone course integrates concepts, practices and methods in strategic planning and environmental analysis. Emphasis is on the evaluation of existing strategy, business risks and opportunities and on the development of long-term plans and programs, executive and managerial controls. PREREQ: AC 531, DS 533, FI 545, MK 539 and MG 538.

MG 538 MANAGING PEOPLE IN ORGANIZATIONS (3-0-3)(F/S). This course is a systematic approach to the major phases of human resource management in organizations, including knowledge bases and theories, problems, constraints, opportunities, program controls, evaluations and costs, and results of effective and efficient human resource management. PREREQ: MG 528 or equivalent.

MK 539 STRATEGIC MARKETING MANAGEMENT (3-0-3)(F/S). An analysis and integration of marketing concepts and models with organizational and environmental constraints. Emphasis on identifying opportunities, problems, selection, and development of alternatives. Also formulation and implementation of strategies, plans, and programs. Consumer, industrial, institutional and international markets included. PREREQ: MK 529 or equivalent.

MBA—Elective Courses

AS 512 COMMUNICATION TECHNIQUES FOR MANAGERS (3-0-3)(Intermittent). Analysis of management communication requirements in business. Development of a critical sense and analytical ability through evaluation of research, reports, and case studies. Writing and speaking skills emphasized through written reports, oral presentation and small group activities.

DS 512 STATISTICAL METHODS FOR BUSINESS DECISIONS (3-0-3)(Intermittent). The application of the techniques and the reason for their employment in decision processes. Computer application programs are employed to assist in the learning process. Topics generally covered include: multiple regression analysis, forecasting and multivariate analysis. PREREQ: DS 523 or equivalent courses.

DS 514 OPERATIONS RESEARCH METHODS FOR DECISION MAKING (3-0-3)(Intermittent). An introduction to operations research, applying quantitative tools and interpreting the results. Particular attention is given to using the computer to analyze quantitative models. Typical areas covered are: linear programming, network models, and inventory control theory. PREREQ: DS 523 or equivalent courses.

EC 560 ECONOMICS OF PUBLIC POLICY (3-0-3)(F/S). Contribution of economic analysis to the justification, design and implementation of economic policy. The issues surrounding the need for public policy in a private property market economy and the benefits and costs associated with government intervention. The relationships between the goals and the instruments of U.S. economic policy. PREREQ: EC 514.

GB 545 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 and personnel, and other functions.

IS 542 INFORMATION SYSTEMS (3-0-3)(F). This course is a study of the impact of the computer on managers and on the environment in which managers work. Topics include data-base, MIS, the impact of information systems on management and the management decision process, and the actual management and control of information systems. Selected computer applications are explored.

MG 541 HUMAN RESOURCE MANAGEMENT (3-0-3)(F/S). Effective management of human resources including discussion of the supervisory processes conducive to reducing labor costs and increasing productivity. Special attention is given the human, organizational, and environmental constraints which limit managerial actions. Techniques for effectively functioning within these constraints.

MK 520 MARKETING PROBLEMS (3-0-3)(Intermittent). Analytical approach to marketing problem solving and decision making. Covers market definition, personal selling, advertising and sales promotion, distribution channels, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

Selected Topics Contemporary topics courses offered intermittently.

AC 580 SELECTED TOPICS — Accounting (3-0-3)

EC 582 SELECTED TOPICS — Economics (3-0-3)

FI 583 SELECTED TOPICS — Finance (3-0-3)

IS 581 SELECTED TOPICS — Information Systems (3-0-3)

MG 584 SELECTED TOPICS — Industrial Psychology (3-0-3)

MG 585 SELECTED TOPICS — Management (3-0-3)

MK 586 SELECTED TOPICS — Marketing (3-0-3)

590 INTERNSHIP. Available on a selective, limited basis. MBA students should consult with pertinent faculty and coordinator.

596 DIRECTED RESEARCH (1-3 credits). Involves special projects undertaken by the student, consisting of individual work suited to the needs and interests of the student. The course embodies research, discussions of the subject matter and procedures with a designated professor, and a documented paper covering the subject.

Undergraduate "G" Courses. At most two of the following courses may be taken for graduate credit if cleared by the Graduate Program Coordinator. See appropriate department listings for complete course descriptions.

AC 440G ACCOUNTING THEORY (3-0-3)(S).

PR 408G OPERATIONS MANAGEMENT (3-0-3)(F).

EC 421G-422G ECONOMETRICS (3-0-3)(F/S).

FI 410G WORKING CAPITAL MANAGEMENT (3-0-3)(S).

FI 411G CAPITAL BUDGETING AND PLANNING (3-0-3)(F).

FI 420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F).

FI 421G DECISION PROCESSES IN BANKING (3-0-3)(S).

FI 450G INVESTMENT MANAGEMENT (3-0-3)(F).

FI 451G FRONTIERS IN FINANCIAL MARKETS (3-0-3)(S).

GB 441G GOVERNMENT AND BUSINESS (3-0-3)(F/S).

MK 415G MARKETING RESEARCH (3-0-3)(F/S).

Master of Arts in Communication School 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	3
Communication Theory & Research CM 501	3
Selected Topics in Communication CM 580-589	12
Electives	6
Graduate Seminar CM 598	1
Project CM 591 OR Thesis CM 593	6
TOTAL	31

Graduate College

Course Offerings

See page 20 for definition of course numbering system

CM Course Descriptions

GRADUATE

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 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, Instructional Technology, Mathematics, Music, 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 applicant. Candidates should contact the assigned committee chairperson (advisor) as soon as possible in order to plan a program. Credits taken prior to such planning are subject to the review and approval of the committee chairperson and the Associate Dean of the College of Education.

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 Instructional 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
TOTAL	6

Additional credits to the above will be determined by the respective departments.

Master of Arts in Education Department of Teacher Education

Option Requirements

The Education Graduate Program provides two options for those selecting one of the following 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 Ed. Research	3
TE 591 or 593 Thesis or Project	6
Reading electives	3
Approved electives	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
Reading electives	3

NOTE: Students should choose TE 407G Reading in the Content Subjects if they have not had a similar 3 credit course.

Approved electives	6
TOTAL	33

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
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NOTE: Students should choose TE 407G Reading in the Content Subjects if they have not had a similar 3 credit course.

Approved electives	6
TOTAL	33

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 option	
TE 551 Fundamentals of Educ. Research	3
TE 591 or 593 Thesis or Project	6

Graduate College

Approved electives3

OR

II. Comprehensive Written Examination

TE 559 Philosophy of Education
or3
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 electives9

Suggested Electives:

TE 450G Behavior Intervention Techniques3
TE 502 Diagnosis & Correction of Read Prob-Elem3
TE 503 Clinic for Reading Specialists3
TE 505 Individual Tests and Measurements3
TE 590 Practicum: Special Education3
TE 596 Directed Research: Special Education3

TOTAL 33

Severe Retardation:

1. Graduate Core6
2. TE 514 Counseling/Consulting Skills for Educators3
3. TE 517 Seminar on the Severely Handicapped Learner3
4. TE 523 Emotionally Disturbed Child in the Classroom3
5. TE 590 Practicum: Special Education3
6. TE 534 Issues and Trends in Special Ed3
7. Option electives (choose I or II below)

I. Thesis/Project option:

TE 551 Fundamentals of Ed. Research3
TE 591 or 593 Thesis or Project6
Approved electives3

OR

II. Comprehensive Written Examination

TE 559 Philosophy of Education
or3
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 electives9

Suggested Electives:

TE 423G Teaching the Severely Handicapped3
TE 450G Behavior Intervention Techniques3
TE 546 Diagnosis & Eval in Early Childhood Ed3
TE 547 Lang Acq & Develop in Early Child Ed3
TE 590 Practicum: Special Education3
Advanced sign language class3

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 Instructional Technology

The Master of Science Degree in Education with an emphasis in Instructional Technology is intended to prepare students for careers as educators, trainers or instructional designers in education, business, or government.

In this program students are equipped with a broad range of conceptual and practical skills in instructional and performance analysis, system design, program development, the transfer of technology, consulting, and the use of a variety of educational/training delivery systems. The emphasis of this program is not to produce specialists in the use of any particular technology, but to prepare professionals who know how to use a wide variety of tools most appropriately to produce the greatest long-term positive impact on individual and organizational performance.

This program includes 33 credits of coursework which gives students a wide range of both theoretical and practical experiences, including

many opportunities to become involved in actual projects in business, government and education. The program culminates in a practical project involving an actual client organization or a thesis investigating an important and timely issue.

Requirements:

1. TE 536 Intro Instructional Technology3
2. TE 537 Instructional Design3
3. TE 551 Fundamentals of Educational Research3
4. TE 582 Instructional Theory3
5. TE 538 Instructional Courseware Design3
6. TE 583 Selected Topics-Instructional Technology3
7. TE 520 Video Delivery Systems3
8. TE 591 Project or TE 593 Thesis6

Requirements sub-total 27

Electives:

Students are to take at least 6 credits of elective course work, with at least 3 credits recommended outside of the College of Education.

Suggestions:

Organizational Theory & Behavior MG 5283
Accounting for Managers AC 5113
Communication Tech for Managers AS 5123
Public Policy Processes PA 5013
Conflict & Change in Socio-Cult Systems SO 5103
Curr Plan & Implem TE 5813
Artificial Intelligence Appl TE 5393

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 Theory3
2. Graduate Core OR TWO of the following courses6
TE 551 Fundamentals of Educational Research3
TE 559 Philosophy of Education3
TE 581 Curriculum Planning and Implementation3
3. A minimum of 9 credits of content courses9
4. Electives12

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 421G PSYCHOLOGICAL MEASUREMENT (3-0-3)(F).

P 450G ADVANCED STATISTICAL METHODS (3-2-4)(S).

Graduate

P 502 ADVANCED EDUCATIONAL PSYCHOLOGY (3-0-3). A study of contemporary issues involving both theoretical and methodological considerations in the history and systems of educational psychology. Special emphasis will be given to group behavior in terms of principles relevant to educational objectives. PREREQ: P 101 and P 325. Offered on demand.

P 503 INDIVIDUAL TESTING PRACTICUM (3-0-3)(S). Emphasis on administering and scoring intelligence tests and on test interpretation. PERREQ: M 111-204, P 305, P 421, PERM/INST. Offered odd numbered years.

P 504 ANALYSIS OF THE INDIVIDUAL (3-0-3). A study of techniques used in analyzing the individual with emphasis on the elementary level. The course includes observational methods, recording behavior, behavioral analysis, interviewing and use of test information. PREREQ: P 101. Offered on demand.

P 505 PERSONALITY DEVELOPMENT (3-0-3)(S). Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception and motivation. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued. PREREQ: P 101. Offered on demand.

TE TEACHER EDUCATION

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

TE 407G READING IN THE CONTENT SUBJECTS (3-0-3)(F/S/U).

TE 423G TEACHING THE MODERATELY AND SEVERELY HANDICAPPED (3-0-3)(S).

TE 450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3)(S).

Graduate

TE 501 FOUNDATIONS OF READING INSTRUCTION (3-0-3)(F/S/U). 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.

TE 502 DIAGNOSIS AND CORRECTION OF READING PROBLEMS (3-0-3)(F/S/U). Diagnosis and standardized testing procedures and corrective techniques will be learned, practiced, and then applied to a child in the Reading Education Center. All techniques are those a classroom teacher would utilize. A case report will culminate the course. PREREQ: TE 501 or PERM/INST.

TE 503 CLINIC FOR READING SPECIALISTS (3-0-3)(S). This course emphasizes more intricate diagnostic techniques and remediation procedures. Alternative testing methods will be presented. Each participant works with a child under supervision in the Reading Education Center and prepares a case report. PREREQ: TE 502 or PERM/INST.

TE 504 SEMINAR IN READING EDUCATION (3-0-3)(F/S/U). This course covers three areas of reading education: involvement in a professional reading association, leadership in reading education, and current issues in reading education. PREREQ: TE 502 or TE 508 or permission of instructor.

TE 505 INDIVIDUAL TESTS & MEASUREMENTS (3-0-3)(S). An intense investigation is pursued in the area of measurement theory followed by practical applications in individual testing and student diagnosis.

TE 508 DIAGNOSIS AND CORRECTION OF READING PROBLEMS—SECONDARY (3-0-3)(S/U). 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.

TE 510 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING SOCIAL SCIENCE (3-0-3)(F). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study

skills, organization of the program materials and media, and research findings basic to social studies will be developed.

TE 511 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCHOOL MATHEMATICS (3-0-3)(S). Emphasis on creative methods and strategies for teaching elementary school mathematics. Also includes a review of current research, curriculum trends and exploration of experimentation with unique materials for teaching mathematics.

TE 512 ADVANCED PRINCIPLES AND PRACTICES IN TEACHING LANGUAGE ARTS AND LINGUISTICS (3-0-3)(F). Emphasis will be given to the role of language arts and linguistics in the school curriculum, stressing modern approaches to language development, semantics, phonetics, phonics, and orthography.

TE 513 ADVANCED PRACTICES AND PRINCIPLES IN TEACHING ELEMENTARY SCIENCE (3-0-3)(F). Current practices and principles in modern elementary science concepts are developed. Emphasis is placed on the selection and organization of content and experimental activities.

TE 514 COUNSELING/CONSULTING SKILLS FOR EDUCATORS (3-1-3)(F). This course will cover the development of counseling and consulting skills for educators to work 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: GRAD or PERM/INST.

TE 515 ADVANCED THEORY OF INSTRUCTIONAL DESIGN FOR SPECIAL EDUCATORS (3-0-3)(F). The course is designed to teach students advanced design components to effectively instruct special education children and adults. The course will include the theoretical and programmatic considerations of instructional design. The course may be useful to regular classroom teachers who wish to gain some knowledge in dealing with special students. PREREQ: TE 431 or PERM/INST.

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 odd years). 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-based, instructional techniques and current professional issues in the field. PREREQ: TE 423 or PERM/INST.

TE 518 TECHNIQUES FOR CREATIVE WRITING IN ELEMENTARY SCHOOLS (3-0-3)(S). Methods and techniques for encouraging creative writing in the elementary school.

TE 519 CHILDREN'S LITERATURE, ADVANCED LEVEL (3-0-3)(S). Current literature for children, including emphasis upon poetry is presented. Issues in children's book selection are discussed.

TE 520 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: TE 537.

TE 521 ELEMENTARY PHYSICAL EDUCATION ACTIVITIES (3-0-3)(S/U). 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/U). Emphasis upon the individualized approach to reading instruction is developed. Techniques of conferencing book selection, skill development and independent language arts activities are explored.

TE 523 THE EMOTIONALLY DISTURBED CHILD IN THE CLASSROOM (3-0-3). This course is designed to assist teachers, counselors, and administrators in understanding the educational and psychological needs of the emotionally disturbed child. Emphasis is placed on developing skills in identifying emotional problems and planning the remedial steps needed for correction. PREREQ: PERM/INST.

TE 531 EDUCATION FOR THE CULTURALLY DIFFERENT LEARNER (3-0-3)(S). A study of the development of children and adolescents in different cultures in comparative relationship to existing values. The lifestyle of various minority groups and implications for education will be examined. Major topics include culturally different learner; (1) learning styles, (2) media, (3) process of change. Idaho minority groups will be emphasized.

TE 534 ISSUES & TRENDS IN SPECIAL EDUCATION (3-0-3)(S even years). This course will investigate the current issues and trends in the field of special education. It will be organized around six topical areas: 1) identification, 2) assessment, 3) eligibility, 4) service delivery, 5) intervention approaches, and 6) instructional strategies. Discussion will be library research based and will focus on all areas of exceptionality in both elementary and secondary school settings. PREREQ: GRAD or PERM/INST.

TE 536 INTRODUCTION TO INSTRUCTIONAL TECHNOLOGY (3-0-3)(F). This course will provide students with an overview of the field of Instructional Technology: past, present, and future. Students will learn the historical, philosophical, and theoretical foundations of the field.

Graduate College

TE 537 INSTRUCTIONAL DESIGN (3-0-3)(F). This course will enable students to identify instructional needs, determine and organize content, select appropriate media, and devise evaluation and revision cycles.

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: TE 537.

TE 539 ARTIFICIAL INTELLIGENCE APPLICATION (3-0-3)(Demand). Students will investigate instructional technology in the creation of knowledge based systems as a method of instruction. Students will create instructional programs using expert systems and artificial intelligence.

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 effective early childhood programs including evaluating children, setting up the environment, developing and implementing curriculum, and teaching methods.

TE 547 EARLY CHILDHOOD: LANGUAGE ACQUISITION AND DEVELOPMENT (3-0-3)(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 551 FUNDAMENTALS OF EDUCATIONAL RESEARCH (3-0-3)(F/S/SU). 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/SU). 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)(SU). This course will provide school personnel with an overview of school law designed to help them become more aware of student and teacher rights and how those rights can be legally asserted. The emphasis will be on "preventive" law, thus avoiding litigation.

TE 562 SCHOOL ORGANIZATION AND FINANCE (1-0-1)(SU). This course will provide a brief overview of the federal, state and local organizational structures of schooling in America with particular attention given to funding and sources of authority. Issues of policy making as they affect teachers will be examined.

TE 563 CONFLICTING VALUES INFLUENCING EDUCATION (1-0-1)(SU). Students will explore ideological positions which have affected educational programs and policies. They will be asked to carefully consider their own values and analyze how these positions affect their modes of classroom operation. PREREQ: Graduate status. COREQ: TE 570.

TE 564 INSTRUCTIONAL TECHNIQUES-SECONDARY SCHOOLS (1-0-1)(SU). In this course, students will investigate instructional techniques which have sound basis in research and theory and which promote development of thinking skills in students.

TE 565 INTERPRETING EDUCATIONAL RESEARCH (1-0-1)(SU). This course will prepare students to read, understand, and critically analyze educational research in their own fields. It includes basic research terminology, strengths and weaknesses in research design, and interpretation of research results. COREQ: TE 570.

TE 566 LEARNING THEORY AND CLASSROOM INSTRUCTION (1-0-1)(SU). Students will investigate major contemporary learning theories and their implications for instruction and curriculum development.

TE 568 TECHNIQUES OF CLASSROOM MANAGEMENT (1-0-1)(SU). This course will explore approaches to effectively working with students students in elementary and secondary classrooms. Skill development and theoretical considerations related to developing healthy and productive learning environments will be emphasized.

TE 569 TESTING AND GRADING (1-0-1)(SU). This course will include an introduction to the theories and fallacies of testing and grading. Problems and methods

of constructing teacher-made tests will be included, with practice in designing better tests and systems of grading. COREQ: TE 570.

TE 570 GRADUATE CORE ISSUES IN EDUCATION (3-0-3)(SU). This course is part of the graduate education core. The content of this course varies, depending upon the current educational issues, but does always include readings, large group presentations, and small group discussions over philosophical, psychological, and sociological aspects 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)(SU). 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/SU). This is a general course for practicing teachers intended to give them a foundation in curriculum theory and practice. They will develop understanding of how curriculum is developed, organized, implemented and evaluated. Current issues and trends in curriculum with some historical perspective will be explored.

TE 582 INSTRUCTIONAL THEORY (3-0-3)(F/S/SU). 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 583 SELECTED TOPICS-INSTRUCTIONAL TECHNOLOGY (3-0-3)(S). The students will explore issues and applications of technologies of current interest. Seminar content will be revised continually to reflect current developments in instructional technologies. PREREQ: TE 536.

TE 590 PRACTICUM (Variable).

TE 591 PROJECT (0-V-6).

TE 593 THESIS (0-V-6).

Master of Arts in Education—Art Emphasis

- The Master's Degree in Education, Art Emphasis, is designed to meet the needs of art specialists.
- The following will be submitted to the Art Department Admissions Committee:
 - The names and addresses of three art educators or professional persons who are acquainted with the student's academic qualifications to pursue graduate study.
 - A minimum of twenty (20) slides or portfolio of recent art work.
 - A statement of the student's professional objectives and philosophy of art education and how these will be furthered by graduate study.
- Program areas of study are as follows:
 - Required Courses:

Art Appreciation in the Educational Program AR 501	3
Special Methods: Curr & Develop in Art Educ AR 551	3
Project AR 591	6
or	
Thesis (or additional hours) AR 593	6
Education Core courses	6
 - Studio or Content: Six (6) credits in the studio. Studio concentration and emphasis will be determined by the student and his committee.
 - Electives: The remainder of the student's work may be elected in relation to his background, interests, and professional objectives in consultation with his major advisor and committee.

Course Offerings

See page 20 for definition of course numbering system

AR ART

Graduate

AR 501 ART APPRECIATION IN THE EDUCATIONAL PROGRAM (3-0-3)(F). Emphasis will be placed on understanding the motivations behind interpretation

of ideas and symbols. Also emphasized will be communication of this understanding to the various age groups represented on the secondary school level. PREREQ: Graduate status or PERM/INST.

AR 521 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-2)(SU). (Previously approved for Elementary Master's Degree). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as written paper. PREREQ: Graduate standing. Summers only by request.

AR 522 TEACHING THROUGH EXPERIMENTAL ART MEDIA (0-6-3)(SU). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to the teaching experiences. Some outside reading will be required, as well as a written paper. PREREQ: Graduate standing. Summers only by request. Alternate years.

AR 551 SPECIAL METHODS: CURRICULUM DEVELOPMENT IN ART EDUCATION (3-0-3)(F). Designed for the secondary school art teacher, this course will be geared to creative curriculum planning. It will be held in a workshop seminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. PREREQ: Graduate status and PERM/INST.

AR 580-589 SERIES SELECTED TOPICS (3-0-3). An opportunity for the student to work independently with a particular teacher in a specific area or media. A total of nine credits allowable which can be divided into several areas or concentrated, distribution determined by the graduate student and committee.

AR 580 SELECTED TOPICS—DRAWING.

AR 581 SELECTED TOPICS—PAINTING.

AR 582 SELECTED TOPICS—CRAFTS.

AR 583 SELECTED TOPICS—SCULPTURE.

AR 584 SELECTED TOPICS—PHOTOGRAPHY.

AR 585 SELECTED TOPICS—CERAMICS.

AR 586 SELECTED TOPICS—PRINTMAKING.

AR 587 SELECTED TOPICS—DESIGNING.

AR 588 SELECTED TOPICS—ILLUSTRATION.

AR 589 SELECTED TOPICS—ART HISTORY.

AR 591 PROJECT (6 credits). See below.

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-6). 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 written form which could be considered for implementation in the schools.

PREREQ: Graduate status.

AR 598 SEMINAR IN ART (3-0-3)(S). (Previously approved for Elementary Master's Degree). Upon selection of an approved topic, the student will research it thoroughly, present an annotated bibliography, and present an oral report of the report of the topic, utilizing visual material in his presentation. The student will then present a research paper concerning his topic. PREREQ: Graduate standing.

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 CR)(F/S/SU).

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, water 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 of skeptical inquiry and the scientific method 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 filling our 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)(S). 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 4-0-4)(F/S). This course is a study of the objectives, methods, and materials of instruction in Earth Sciences. Emphasis will be placed on the preparation and presentation of lectures, laboratory exercises and field trips. This course provides the student with internship experience in the laboratory and lecture classroom. PREREQ: Graduate status or PERM/INST.

GO 571 GEOCHEMISTRY (3-0-3)(S). Chemical equilibrium applied to natural water systems. Oxidation and reduction in sedimentation and ore genesis, methods of exploration geochemistry, crystallization of magmas, ore-forming solutions, isotope geochemistry. This course can be taken for undergraduate credit by filing necessary forms. Field trip required. PREREQ: GO 101, C 133, M204.

GO 591 PROJECT (7-3 to 0-6). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. PREREQ: Graduate status and 15 credits in Earth Science or PERM/INST.

GO 593 THESIS (0-3 to 0-5). The scholarly pursuit of original work on a field or laboratory project or the formulation of new and logical interpretations of existing data collected by library research. A final report suitable for presentation at a meeting of Earth Science professionals is required. PREREQ: Admission to candidacy.

GO 596 DIRECTED RESEARCH (0-1 to 0-4). Field, laboratory or library research project. Students may work on an individual problem or select a problem from a list provided by the instructor. Weekly progress meetings, final report. PREREQ: Physical Geology or Fundamentals of Geology and/or PERM/INST.

GO 598 GRADUATE SEMINAR (0-1 to 0-3). The preparation and presentation of oral and written reports on topics in earth science and/or science education. Presentation of oral reports may take the form of debate. Preparation of visual aids and geologic illustrations will be emphasized. PREREQ: Admission to candidacy or PERM/INST.

GS GENERAL SCIENCE

GS 501 HISTORY OF SCIENCE (3-0-3)(F/S). This is a survey of humanity's efforts to understand the natural world. "Ancient Science" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is

Graduate College

presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS credit, but not for both.

Master of Science in Education— Mathematics Emphasis

1. The Master of Science in Education, Mathematics emphasis may be obtained through any of the following three options.

- a. The 30-hour "examination option"
- | | |
|--|----|
| Graduate Core | 6 |
| Mathematics Sequence and Seminar | 9 |
| One mathematics course exclusive of M 503, 504, or 561 | 3 |
| Mathematics electives | 6 |
| Free electives | 6 |
| A written examination over mathematics coursework | |
| TOTAL | 30 |

An oral examination over all coursework included in the student's program

- b. The 33-hour "project option"
- | | |
|--|----|
| Graduate Core | 6 |
| Mathematics Sequence, math Seminar and M 591 | 12 |
| Mathematics electives | 6 |
| Free Electives | 9 |
| A written examination over mathematics coursework | |
| TOTAL | 33 |

c. The 33-hour "thesis option" is the same as the "project option" except that M 591 is replaced with M 593

2. Mathematics Requirements

- a. Required Courses
- | | |
|---|---|
| M 501, 502 Real Analysis I, II or M 541 | 6 |
| M 541-542 Modern Algebra I & II | 6 |
| M 598 Seminar in Mathematics | 3 |

b. Elective courses—Additional courses planned by the student and his/her graduate committee to meet program requirements.

3. Additional Information

- a. Credit in Workshop (594 or 599) is limited to a total of 3 credits to be applied to partial fulfillment of the requirements for the emphasis in Mathematics.
- b. Some students may be required to remove deficiencies before admission to candidacy. Students with strong undergraduate mathematics may apply to challenge, waive, or replace parts of the emphasis requirements.
- c. Students considering this program should consult with the Chairman of the Mathematics Department. Enrollment in graduate courses has been such that completion dates for this program cannot be guaranteed.

Course Offerings

See page 20 for definition of course numbering system

M MATHEMATICS

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

M 406G THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3-0-3)(F).

M 431G-432G PROBABILITY AND STATISTICS (3-0-3)(F/S).

M 456G LINEAR PROGRAMMING (4-0-4)(S).

Graduate

M 501-502 REAL ANALYSIS I, II (3-0-3). The real number system. Set theory and metric spaces. Sequences and series. Continuity of real functions. Differentiation. The Riemann-Stieltjes integral. Sequences and series of functions. PREREQ: M 314 or PERM/INST.

M 503 THE TEACHING OF ALGEBRA (3-0-3). Contemporary approaches to teaching secondary school algebra; treatment of selected topics in modern algebra; methods and materials; research relevant to the teaching of algebra. PREREQ: M 302

M 504 THE TEACHING OF GEOMETRY (3-0-3). Contemporary approaches to teaching secondary school geometry; treatment of selected topics in geometry; methods and materials; research relevant to the teaching of geometry. PREREQ: M 311.

M 505 FOUNDATIONS OF MATHEMATICS (3-0-3). The axiomatic method and its role in modern mathematics. The role of the theories of sets and groups in the development of mathematics. Modern philosophies of mathematics. PREREQ: M 302 or PERM/INST.

M 511 GENERAL TOPOLOGY (3-0-3). Set separation axioms, topologies, connectedness, compactness, generalized convergence, continuity, product spaces. PREREQ: M 401 or M 501 or PERM/INST.

M 541-542 ABSTRACT ALGEBRA I, II (3-0-3). Mappings, the integers, groups, 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 561 MATHEMATICS FOR OPERATIONS RESEARCH (4-0-4)(F/S). The mathematics techniques used to solve problems involving several variables. Linear systems, matrices, linear programming with the simplex method, differential and integral calculus with emphasis on applications in management decision situations. PREREQ: PERM/INST.

M 564 MATHEMATICAL MODELING (3-0-3)(SU). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models; optimization. Examples will be drawn from the physical, biological, and social sciences. A modeling project will be required. PREREQ: M 361 and 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 of student presentation and discussion of relatively advanced mathematical topics selected from texts or mathematical journals. This will not be a seminar in mathematics education.

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 422G ADVANCED TOPICS IN CHEMISTRY (3-0-3).

C 431G INTRODUCTION TO BIOCHEMISTRY (3-0-3)(F).

C 432G BIOCHEMISTRY LABORATORY (0-3-1)(S).

C 433G BIOCHEMISTRY (3-0-3)(S).

C 440G SPECTROMETRIC IDENTIFICATION (2-3-3)(S).

C 443G ADVANCED CHEMICAL PREPARATION LABORATORY (1-3-2)(S).

Graduate

C 501 HISTORY OF CHEMISTRY (3-0-3). The study of the development of chemistry from its early stages through alchemy. Emphasis will be placed on the development of chemical concepts, the important contributors to these concepts and the interrelationships between chemistry and the general course of history. PREREQ: Two years of college chemistry and one year of history or PERM/INST. Offered on demand.

C 503 SPECTROSCOPY (3-0-3). Concepts and practical usage of ultraviolet, infrared, nuclear magnetic, mass spectroscopy. Emphasis will be placed on use of instruments and interpretation of spectra. Prior knowledge of spectroscopy not required. PREREQ: Eight hours of general chemistry and six hours of organic chemistry. Offered on demand.

C 509 CHEMISTRY OF LIFE PROCESSES (3-0-3). The course introduces the student to basic concepts of biochemistry associated with a coverage of current topics ranging from allied health field areas to environmental chemistry. Classroom demonstration material will be correlated with lecture material. **PREREQ:** One year of general chemistry and organic chemistry. Offered on demand.

C 511 ADVANCED ANALYTICAL CHEMISTRY (3-0-3). Stoichiometry involved in separations and instrumental methods of analysis. The course will be flexible in nature to adapt to the varied background of the expected students. **PREREQ:** Quantitative Analytical Chemistry of PERM/INST. Offered on demand.

C 515 NUCLEAR AND RADIOCHEMISTRY (3-0-3). Atomic and nuclear structure, radioactivity, nuclear reactions, radioactive decay laws, interaction of radiation with matter, detection chemistry. Offered on demand.

Master of Arts in 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 what 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	3
Graduate English electives	15
Project or Thesis	3
*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	3
Graduate English electives (except E 501)	15
*General Graduate Electives (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 400G English courses may be substituted for seminar work in the English core. E 501 may be taken as a general elective, but may not be counted toward a student's English core.

Since the content of courses E 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

E 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)(F/S).

E 487G MODERN BRITISH AND AMERICAN POETRY (3-0-3)(F/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 THE TEACHING OF WRITING (3-0-3)(F/S). Theories and methods of teaching writing for experienced teachers. Special emphasis on new discoveries about the learning process in writing courses and in the teacher's role in helping individual students. **PREREQ:** E 301, E 500, and teaching experience or PERM/CHAIR.

E 502 ADVANCED TECHNICAL AND PROFESSIONAL WRITING (3-0-3)(S). Provides 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 505 LINGUISTICS (3-0-3)(F/S). Modern linguistic theories and their application to literature and teaching English. An examination of how various grammatical models represent the complexities of language sound, sequence, and structure. Application of theory to language at work. **PREREQ:** E 500 and LI 305 or equivalent or PERM/CHAIR.

E 508 WRITING FOR THE MARKET (3-0-3)(F). A writing course which studies literary journals, trade journals, and little magazines, considers the slick and 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 510 MAJOR AUTHOR (3-0-3)(F/S). A consideration of minor and major artistic creations of an author with attention devoted to major influences on the writer and his/her influences on others. Aspects of investigation to include the life of the author and its relation to his/her work, the society and culture of the times, his/her place and stature in the genres 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/S). A study of a well-defined literary category, such as novel, short story, epic, or tragedy. Examination of representative texts in order to discover the evolution of a specific literary genre while at the same time establishing its typical features. **PREREQ:** E 500 or PERM/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/S). 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/S). An exploration of the use of myth in literature as a source of content and structure. The nature and working of myth and the way it enters conscious creation of art. Themes such as the quest, the initiation, the Adamic myth in American literature, 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/S). The interaction between a body of literature and the social, economic, and political forces that characterize the culture in which it originates. The influence of culture on literary form and content. **PREREQ:** E 500 or PERM/CHAIR. (Repeatable for credit.)

E 560 FOLKLORE (3-0-3)(F/S). Materials selected from oral tradition and culture with attention to aspects of collecting, classifying, comparing, analyzing and archiving. Theories of folklore composition, transmission, and function will be related to the occurrence of folklore. **PREREQ:** E 500 or PERM/CHAIR. (Repeatable for credit.)

E 570 LITERARY MOVEMENTS (3-0-3)(F/S). A focus on a significant literary movement, the works of its major and minor contributors, its theories and its practice, its relation to its time, its place in literary history, its influence 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)(F). A literary content course for prospective teachers of secondary school English. Primary emphasis on critical reading of literature for adolescent in secondary school. Secondary emphasis on methods of analysis appropriate to students. All genres as well as classic and popular authors. **PREREQ:** E 102, two literature courses or PERM/CHAIR.

E 593 THESIS (V-0-V). A scholarly paper containing the results of original research. **PREREQ:** Admission to candidacy and approval of the student's graduate committee.

E 595 READING AND CONFERENCE (V-0-V). A project may include, but is not limited to, a library research paper or experimental research on some aspect of pedagogy or preparation of written curriculum with teaching materials. **PREREQ:** Admission to candidacy and approval of the student's graduate committee.

Master of 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 towards remedying any deficiencies. Any undergraduate course used to make up the deficiencies will not count toward the Master's Degree. A student who has any deficiencies will be granted Provisional Status 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	6
MU 503 Intro Research Materials Music Educ	3
MU 570 New Developments in Music Education	3
b. Required College of Education Core Classes	6
TE 570 Issues in Education	3
TE 563 Conflicting Values Influencing Education	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. Instruct Tech-Second School TE 564	1
4. Interpreting Educ Research TE 565	1
5. Learn Theory & Clsrn Instruct TE 566	1
6. Tech of Clsrn Mgmt TE 568	1
7. Testing & Grading TE 569	1
8. Instruct 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	3-6
MU 593 Thesis OR	6
MU 591 Project OR	3
In lieu of a culminating project 6 additional hours of course work would be required with a special written examination following completion of the courses.	
TOTAL	30-33

Master of Music—Performance/ Pedagogy Emphasis

a. Performance/Pedagogy Core	12
MU 503 Intro to Music Research	3
MU 557 Music Lit of Major Instrum or Voice	3
Music Literature Elective	3
Music History Elective	3
b. Performance Option	20
Pedagogy or additional Theory or History	6
Graduate Music Elective	3

MC 5-4 Private Lessons 2 Semester Minimum	8
MA 546 Graduate Performance Recital	3

c. Pedagogy Option	19
MU 563-564 Pedagogy	6
Additional Theory or History	6
MC 5-2 Private Lessons 2 Semester minimum	4
Grad Recital or Thesis (Choose 1, 2, or 3 below)	3-6
1. MA 546 Graduate Performance Recital	3
2. MA 544 Lecture Recital	3
3. MU 593 Thesis	6
TOTAL	31-32

Course Offerings

See page 20 for definition of course numbering system

MA MUSIC APPLIED — PERFORMANCE CLASSES, RECITALS GRADUATE

MA 544 LECTURE/RECITAL (0-V-3). A full lecture/recital elected as the culminating project for the Master of Music degree, Music Education or Performance/Pedagogy emphasis major. The lecture is to demonstrate scholarly study on a selected topic and the recital is to present supportive musical examples. PREREQ: PERM/INST/CHAIR. Graded Pass/Fail.

MA 546 GRADUATE SOLO PERFORMANCE RECITAL (0-V-3). A full recital to be presented as the culminating project for the Master of Music degree, Performance/Pedagogy emphasis. PREREQ: PERM/INST/CHAIR. Graded Pass/Fail.

MC MUSIC PRIVATE LESSONS PERFORMANCE STUDIES Graduate

Students will be assigned on the basis of an audition. Performance, Technical Study, Musical Interpretation, Literature, and Teaching Technique will be stressed.

All 500 level MC courses are repeatable for credit to a maximum of 6 credits. See undergraduate Private Lesson Performance Studies course numbering system for explanation of course numbers.

- MC 501 (0-5-1), 502 (0-5-2), 504 (0-1-4). Woodwind instruments private lessons.
- MC 511 (0-5-1), 512 (0-5-2), 514 (0-1-4). Brass instruments private lessons.
- MC 521 (0-5-1), 522 (0-5-2), 524 (0-1-4). Percussion instruments private lessons.
- MC 531 (0-5-1), 532 (0-5-2), 534 (0-1-4). Voice private lessons.
- MC 541 (0-5-1), 542 (0-5-2), 544 (0-1-4). Keyboard instruments private lessons.
- MC 551 (0-5-1), 552 (0-5-2), 554 (0-1-4). Fretted string instruments private lessons.
- MC 561 (0-5-1), 562 (0-5-2), 564 (0-1-4). Bowed string instruments private lessons.

ME MUSIC ENSEMBLE

Graduate

ME 510 CHORAL ENSEMBLE (0-2-1)(F/S). A general chorus open to all interested students. The format of the classes will be related to the size of the enrollment, i.e., choir, chamber ensemble or collegium musicum.

ME 515 OPERA THEATER (0-5-1). Advanced study/experience in singing-acting technique and movement through performing in productions from the opera and/or musical theater repertoire. May be repeated for up to 4 credits maximum. PREREQ: PERM/INST.

ME 520 INSTRUMENTAL ENSEMBLE (0-V-1)(F/S). A performing group or groups will be formed, depending on the size of enrollment, such as trios, quartets, band or orchestra. Opportunities to perform ensemble music of various kinds will be given. Emphasis will be placed on techniques of ensemble playing, intonation, phrasing, articulation and proper performance practice of ensemble literature.

MU MUSIC, GENERAL

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

- MU 410G ADVANCED FORMAND ANALYSIS (2-0-2)(S).
- MU 423G SIXTEENTH CENTURY COUNTERPOINT (3-0-3)(F).
- MU 424G COUNTERPOINT SINCE 1600 (3-0-3)(F).

Graduate

MU 501 HISTORY OF MUSIC IN THE UNITED STATES (3-0-3)(F/S). Designed for either the non-specialist or specialist in music, this course will survey the role which music has played in the development of American culture. Among the topics covered will be early New England music, music of the Blacks, Indians, and other ethnic groups. Social and historical interrelationships with music will be examined and discussed.

MU 503 INTRODUCTION TO 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 representative compositions from the standpoint of performance practice, analytic techniques, and the reading of primary sources of pertinent information.

MU 506 SEMINAR IN INSTRUMENTAL MUSIC: PERFORMANCE PRACTICES AND STYLES (3-0-3)(F/S). Analysis and study of works from the Baroque through the present era. Particular attention will be paid to performance practices of ornamentation, style, tempo, scoring, dynamics, etc. Band transcriptions also included.

MU 511 20th CENTURY MUSICAL STUDIES (3-0-3)(F/S). A study of 20th century compositional techniques and performance practices through analysis, discussion of aesthetics, listening, performance, and creative writing. Contemporary techniques (and their notation), such as quartal harmonies, serialization, improvisation, electronic music, microtones, and multi-media, will be explored and their application to the secondary school music classroom will be discussed.

MU 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). 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, creative musical activities, and the development of music reading skills. PREREQ: MU 371 or PERM/INST.

MU 572 LISTENING AND SINGING EXPERIENCES FOR THE ELEMENTARY SCHOOL (3-0-3)(F/S). Designed for the general classroom teacher or music specialist, the course deals with the study of singing and listening materials relevant to classroom music, K-6. Sequential curriculum plans will be developed for singing and listening experiences. PREREQ: MU 371 or PERM/INST.

MU 573 ADVANCED METHODS AND TECHNIQUES FOR THE INSTRUMENTAL INSTRUCTOR (3-0-3)(F/S). A study of causes and solutions for problems occurring in the instrumental rehearsal. Areas to be covered include instrumental methods and techniques, organization and repertoire planning.

MU 574 ADVANCED METHODS AND TECHNIQUES FOR THE CHORAL INSTRUCTOR (3-0-3)(F/S). A study of causes and solutions for problems occurring in the choral rehearsal. Areas to be covered include vocal methods and techniques, organization and repertoire planning.

MU 575 ADMINISTRATION OF SCHOOL MUSIC (3-0-3)(F/S). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel and philosophy.

MU 591 PROJECT (0-V-3). Details for the culminating project can be found in requirements for Master's degree in secondary education, music emphasis.

MU 593 THESIS (0-V-6). A scholarly paper embodying results of original research which are used to substantiate a specific view.

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
Functional Anatomy PE 500.....	3
Physiology of Activity PE 510.....	3
Biomechanics PE 520.....	3
Psychology of Exercise & Sport PE 530.....	3
Applied Prin of Conditioning PE 540.....	3
TOTAL	15
RESEARCH TOOLS	6 CREDITS
Advanced Statistical Methods P 405g	
or	3
Business Statistics DS 513	
Fund of Educational Research TE 551.....	3
TOTAL	6
ELECTIVES	6-9 CREDITS
Exercise Physiology Lab PE 515.....	3
Mechanical Anal of Motor Act PE 525.....	3
Sociology of Exercise & Sport PE 535.....	3
Exercise Testing & Prescription PE 545.....	3
Philosophy of Exercise & Sport PE 550.....	3
Motor Learning PE 560.....	3
Health Promotion PE 570.....	3
Computers in Exercise & Sport PE 575.....	3
Practicum PE 590.....	3
Directed Research PE 596.....	3
TOTAL	6-9
THESIS OPTION	6 CREDITS
Research & Thesis PE 593.....	6
NON-THESIS OPTION	3 CREDITS
Project PE 591.....	3
TOTAL	33

A revolving three year draft of graduate offerings is available upon request from the Department of HPER, G 209.

Course Offerings

See page 20 for definition of course numbering system

Undergraduate

PE 401G PSYCHO/SOCIAL ASPECTS OF ACTIVITY (3-0-3)(F/S).

PE 402G ADVANCED ATHLETIC TRAINING (3-3-3)(S).

Graduate

PE 500 FUNCTIONAL ANATOMY (3-0-3). A study of gross human anatomy from the descriptive approach with emphasis on the skeletal, muscular, nervous and circulatory systems. Includes cadaver dissection. In addition, indepth study of joint structure and function, gross-motor-movement, and skill will be included. Video analysis will be utilized.

PE 510 PHYSIOLOGY OF ACTIVITY (3-0-3). A study of the various factors affecting human performance and subsequent adaptations of the body to single and repeated bouts of exercise.

PE 515 EXERCISE PHYSIOLOGY LAB (2-2-3). Practical application of the principles that govern response and adaptation of the human body to exercise, utilizing laboratory equipment to collect data and analyze results.

PE 520 BIOMECHANICS (3-0-3). A study of the internal and external forces acting on the human body and the effects produced by these forces. Analysis of movement will focus on qualitative techniques.

Graduate College

PE 525 MECHANICAL ANALYSIS OF MOTOR ACTIVITIES (3-0-3). An introduction to the analysis techniques used to study the mechanics of human motion. Topics will include cinematography, videography, force transducers, electromyography and computer analysis techniques.

PE 530 PSYCHOLOGY OF EXERCISE AND SPORT (3-0-3). A study of psychological factors as they relate to exercise, sport and performance. Content includes personality traits, motivation, anxiety/arousal, and intervention/coping strategies.

PE 535 SOCIOLOGY OF EXERCISE AND SPORT (3-0-3). A study of the relationships among sport and other facets of society, including social organization, group behavior and social interaction patterns.

PE 540 APPLIED PRINCIPLES OF CONDITIONING (2-2-3). Advanced study of the conditioning process. Emphasis on application of the conceptual to practical situations. Involves program planning, objectives, exercise analysis for conditioning specificity, exercise prescription and other conditioning variables affecting performance.

PE 545 EXERCISE TESTING AND PRESCRIPTION (2-2-3). A study of the current methods and procedures used in coronary heart disease risk detection and reduction, including the recommended guidelines by the American College of Sports Medicine for exercise testing and prescription.

PE 550 PHILOSOPHY OF EXERCISE AND SPORT (3-0-3). A study of the philosophical foundations underlying exercise and sport. Topics include values development, design and evaluation of individual and program philosophy and goal structuring.

PE 560 MOTOR LEARNING (3-0-3). A study of the relevant empirical evidence and research in the field of motor learning and performance, including the learning process, feedback, timing, information processing, transfer, perception, motivation and practice conditions.

PE 570 HEALTH PROMOTION (3-0-3). An introduction to health promotion in the commercial/industrial sector, including planning, development, and implementation of programs aimed at the achievement of total well-being.

PE 575 COMPUTERS IN EXERCISE AND SPORT (3-0-3). An introduction to computer applications in the exercise and sport sciences, including methods for collecting data. Processing of data will include both microcomputer software and the Statistical Analysis System (SAS) package.⁶

PE 590 PRACTICUM (0-9-3). Available on a selective, limited basis. Culminating experience designed to provide students with an opportunity to apply skills learned in the classroom. PREREQ: PERM/INST.

PE 591 PROJECT (3 credits). Students select a project related to Exercise and Sport Studies and pursue it to a logical conclusion. PREREQ: PERM/INST.

PE 593 RESEARCH AND THESIS (6 credits). A scholarly paper containing the results of original research. PREREQ: Admission to candidacy and approval of the student's graduate committee.

PE 596 DIRECTED RESEARCH (variable credits). Opportunity for the student to pursue a topic of interest on an individual basis.

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 biostratigraphy, economic 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 Geology and Geophysics, Boise State University, 1910 University Drive,

Boise, ID 83725 or from the Chairman, Department of Geology, Idaho State University.

Course Offerings

See page 20 for definition of course numbering system

The following is a partial list of courses taught at Boise State University which may be used to fulfill the Masters credit requirements. Course descriptions for undergraduate courses are included in the listing for the Department of Geology and Geophysics earlier in this Catalog. Course descriptions for graduate courses are listed under the Master of Science in Education, Earth Science Emphasis, program description.

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
GO 541	Methods and Techniques of Gathering, Measuring and Testing Geologic Data
GO 551	Current Topics in Geology
GO 571	Geochemistry
GO 593	Thesis
GO 596	Directed Research
GO 597	Special Topics
GO 598	Graduate Seminar

Idaho State University Courses:

Geol 648	Research Problems
Geol 650	Thesis

University of Idaho Courses:

Hydro 502	Directed Study
Hydro 569	Cohntaminant Hydrology
Hydro 577	Computer Applications in Geohydrology

Master of Science, Geophysics College of Arts and Sciences

Boise State University offers a Master of Science degree in geophysics through the Department of Geology and Geophysics. The objective of the program is to prepare students for professional employment and for geoscience study at the Ph.D. level. The degree requires 30 total credits distributed as follows: 12 graduate geophysics course credits; 12 credits in approved science, engineering, or business courses; and 6 thesis research credits leading to an approved thesis. Current research emphases at BSU are in high-resolution geophysical methods, petroleum geophysics, geothermal systems, earthquake seismology and seismic hazards, computer-aided interactive interpretation, and studies of crustal deformation.

The BSU Master of Science program in geophysics interacts cooperatively with the University of Idaho (UoI) Master of Science program in geophysics through the joint listing of graduate geophysics courses, the application of BSU graduate geophysics courses for UoI credit, and the application of UoI graduate geophysics courses for BSU credit. Cooperation is extended to Idaho State University (ISU) in that up to 12 credits earned in approved courses at ISU can be applied to a Master of Science in geophysics at BSU or UoI. In addition, faculty at BSU, UoI, and ISU may form joint supervisory committees when expertise from outside of the student's resident institution is judged to be beneficial. These cooperative efforts by BSU, UoI, and ISU add flexibility and geographic accessibility to graduate education in geophysics within Idaho.

Admission Criteria: Applicants should have a BS or equivalent degree in one of the following fields: geophysics, geology, hydrology, physics, chemistry, mathematics, engineering, or business. Evaluation for admission requires three personal references, transcripts from all colleges and universities attended, and scores on the GRE General Test. Students whose native language is not English must submit a TOEFL

score of 550 or higher. A copy of a report resulting from a previous university course, professional position, or research experience is also requested as evidence of the applicant's ability to complete a significant project and write an acceptable scientific report. Preference is given to those applicants whose records indicate a high probability for successful completion of publishable graduate research. Application materials should be requested from Graduate Admissions, Boise State University, 1910 University Drive, Boise, ID 83725, telephone (208) 385-3903.

Graduate Assistantships: Current information on graduate assistantships is available from the Coordinator of the Geophysics Graduate Program. (Dr. John R. Pelton, Office: (208) 385-3640.)

Supervisory Committee: Each admitted student will be assigned a supervisory committee whose purpose is to approve the program of courses and the final thesis. The supervisory committee consists of at least three members: a chairman from BSU who will suggest an appropriate program of courses and guide the thesis research, and at least two members chosen in any combination from BSU, Uol, ISU, or other institution (selection based on a direct interest in the student's research). The Coordinator of the Geophysics Graduate Program will serve as advisor to each new student until a supervisory committee can be assigned.

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 430G 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: PERM/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 525 EARTHQUAKE SEISMOLOGY (3-0-3)(F). Earthquake source, theory, waves from a point dislocation source in a radially symmetric Earth, reflection and refraction at plane interface, surface waves, free oscillations, theory of the seismograph, interpretation of seismograms, travel-time curves, hypocenter determination, fault-plane solutions, magnitude, properties of the Earth's interior, seismotectonics and seismic hazards. Field and laboratory exercises. PREREQ: GO 101, M 331.

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 optimization including grid search, Monte Carlo method, iterative methods. Examples selected from geophysical applications. Computer laboratory exercises. PREREQ: GP 301, M 301. Offered alternate years.

GP 535 TECTONOPHYSICS (3-0-3)(F). 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.

GP 540 ELECTROMAGNETIC AND SEISMIC WAVE PROPAGATION (3-0-3)(S). Derivation of wave equations and solutions in idealized media including layered media. Source effects. Attenuation in earth materials. Numerical computation of wave fields including finite-element and finite-difference methods. Computer laboratory exercises. PREREQ: GP 301, M 331. Offered alternate years.

Uol Course Offerings

Geoph 502	Directed StudyARRD
Geoph 520	Exploration Geophysics3
Geoph 521	Mining Geophysics3
Geoph 523	Seismic Stratigraphy3
Geoph/Geol 540	Probabilistic Methods3
Geoph/Geol	Isotopes3
Geoph/Geol 590	Photogeology3
Geoph/Min 503	Stress Analysis3
Geoph/Min 504	Advanced Rock Mechanics3

Master of Arts in History School 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.

Graduate College

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 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.

Students with strong undergraduate history may apply to challenge, waive or replace parts of the emphasis requirements. Students selecting a double emphasis will develop their program in consultation with their committee. Applicants must also be aware that some areas 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.

- 33 hours with thesis
 - History 18
 - Free Electives 9
 - Thesis (defended orally) HY 593 6
- 33 hours with project
 - History 21
 - Free Electives 9
 - Project HY 591 3
- Written or oral examination covering aspects of project and course work taken in the History Department toward the degree.
- 36 hours
 - History 3
 - Free electives 12
 - Written examination covering course work taken in the History Department toward the degree.

Required Courses

- HY 500 Historians and Historical Interpretation 3
- HY 580, 581 or 582 Seminar 3
- HY 510-511 History of Western Thought
OR 3
- HY 520 Sources of American Values 3

A maximum of six hours in 300g,G or 400g,G History courses may be substituted for seminar work in the History offering. 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)(F/S).

HY 423g EUROPEAN DIPLOMATIC HISTORY 1871—PRESENT (3-0-3)(F/S).

Graduate

HY 500 HISTORIANS AND HISTORICAL INTERPRETATION (3-0-3). A study of major historians and schools of historical interpretation from Ancient Greece to the twentieth century. Discussion concentrates in written history and the problems of interpretation. Oral and written participation and a major paper are required. PREREQ: admission to graduate program or PERM/CHAIR.

HY 501 HISTORY OF SCIENCE (3-0-3). A survey of man's efforts to understand the natural world from the ancient world to the present including pre-scientific assumptions, the evolution of science since the 16th century, and the development of modern scientific thought. May be taken for either HY or GS credit, but not both.

HY 502 TEACHING HISTORY IN SECONDARY SCHOOLS (3-0-3). An inquiry into the philosophy of history, a consideration of the relationship on the discipline to other social studies and other fields of knowledge, and survey of various techniques available to teachers of history at the secondary school level. PREREQ: Admission to the graduate program or PERM/CHAIR.

HY 510 HISTORY OF WESTERN THOUGHT (3-0-3). History of Western thought beginning with the Ancient Near East to the Renaissance and Reformation. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. PREREQ: Admission to the graduate program or PERM/CHAIR.

HY 511 HISTORY OF WESTERN THOUGHT (3-0-3). History of Western thought from 1500 to the present. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. PREREQ: Admission to the graduate program or PERM/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

HY 590 INTERNSHIP

HY 591 PROJECT

HY 593 THESIS

HY 595 READING & CONFERENCE

HY 596 DIRECTED RESEARCH

HY 597 SPECIAL TOPICS

HY 598 HISTORY SEMINAR

Master of Arts or Science in Interdisciplinary Studies College of Arts and Sciences 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 MC 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. Have Graduate Record Exam scores forwarded to the Graduate College.
5. The applicant must have an undergraduate cumulative GPA of 3.00.
6. 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 or G 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 or 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 Public Affairs School 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 Affairs program is an important component of BSU's public affairs commitment.

The Master of Public Affairs (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. Three areas of emphasis are offered leading toward the MPA degree: (1) general public administration; (2) human services administration; and (3) criminal justice 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 into the MPA Program. (The student is advised 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 academic potential is evaluated, to the Public Affairs Program Director, Boise State University, 1910 University Drive, Boise, ID 83725.
6. Submittal of a brief statement explaining the applicant's educational and career objectives and the MPA Data Form.
7. Completion of the following academic prerequisites (through academic coursework or approved equivalent experience):
 - a. American National Government (3 semester credits).
 - 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 two 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 30 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 12 additional semester credit hours are in the student's "area of emphasis."

MPA students will select either the thesis or the directed research option. Students should make this selection in consultation with their MPA academic advisor. All MPA students must complete a final examination, regardless of the option chosen. Students in the thesis option must complete an oral examination emphasizing the thesis project but also possibly covering course work in general. Students in the directed research option are required to complete the written and oral comprehensive examinations based on their MPA Program 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." Appropriate courses for each area are noted.

Graduate College

1. One course from each of the following areas:
 - a. **Administrative Theory, Organization and Behavior**
 - b. **Public Management Techniques**
 - c. **Public Policy and Policy Analysis**
2. One course from any two of the following areas:
 - a. **Administrative Law**
 - b. **Intergovernmental Relations**
 - c. **Community and Regional Planning**
 - d. **Comparative Public Administration**
 - e. **Executive and the Administrative Process**
3. A sixth course from any above core areas.

"Area of Emphasis" Requirements: Each MPA student is to complete a minimum of 12 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. Presently, most MPA students select the General Public Administration area of emphasis. Students preferring the Criminal Justice or Human Services Administration emphasis may select that emphasis when there are staff resources available to offer courses in the emphasis.

Included in the 12 semester credit hours of the selected area of emphasis are the thesis project (6 semester credits) for the student in the thesis option and the directed research project (3 semester credits) for the student in the directed research option.

Regardless of which option an MPA student chooses, the student is to select the specific courses in the areas of emphasis in consultation with the student's academic advisor.

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 organization, such as private, nonprofit agency. The credits received for the internship are in addition to the 30 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. **Administrative Theory, Organization, and Behavior:** Organization Theory PA 502.
- b. **Public Management Techniques:** Public Budgeting and Financial Administration PA 504; Program Evaluation PA 510; Human Resource Management MG 541; Information Systems IS 542.
- c. **Public Policy and Policy Analysis:** Public Policy Process PA 501.
- d. **Administrative Law:** Administrative Law PA 530.
- e. **The Executive & the Administrative Process:** The Role of the Executive in Policy Making PO 530.
- f. **Intergovernmental Relations:** Intergovernmental Relations PA 521.
- g. **Community & Regional Planning:** "Selected Topics" courses are occasionally offered.
- h. **Comparative Public Administration & Planning Systems:** Comparative Public Administration PO 465G.

Optional "Areas of Emphasis"

NOTE: Some of the courses provided in these areas of emphasis are also provided in designated core areas as shown above. In such cases, a course may satisfy a general core area requirement or a specific area of emphasis requirement in the MPA program but not both.

- a. **General Public Administration:** This area of emphasis is provided to accommodate those students desiring preparation in public administration as a "generalist", rather than a "specialist" in a particular

area of specialization. At BSU the student may select the remaining 12 credit hours of coursework from the courses listed below: Comparative Public Administration PO 465G, 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: Thesis PA 593, 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 Services 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. **Other Areas of Emphasis:** Environmental and Natural Resources Administration may be offered in the near future. "Selected Topics" courses are now presented in this area.

Course Offerings

See page 20 for definition of course numbering system

PA PUBLIC AFFAIRS COURSES

Undergraduate

See appropriate department listing for detailed course descriptions of these undergraduate courses which may be taken for graduate credit.

PO 465G COMPARATIVE PUBLIC ADMINISTRATION (3-0-3)(F/S).

Graduate

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). 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.

PA 503 TECHNIQUES OF ANALYSIS IN PUBLIC AFFAIRS (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 quantitative analysis to support management decisionmaking 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). Appropriate, relevant topics dealing with public policy and the roles of public administrators 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 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.

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 relations in the public sector, including collective bargaining relationships, management rights and responsibilities, political and civil rights of public employees, and alternative modes of dispute resolution. Collective bargaining and grievance exercises will be conducted.

SELECTED TOPICS (3-0-3). To be offered as staff availability permits:
 PO 580 ADMINISTRATIVE THEORY, ORGANIZATION AND BEHAVIOR
 PA 581 TECHNIQUES AND SKILLS
 PA 582 PUBLIC POLICY AND POLICY ANALYSIS
 PA 583 ADMINISTRATIVE LAW AND ETHICS
 PO 584 EXECUTIVE AND ADMINISTRATIVE PROCESS
 PO 585 INTERGOVERNMENTAL RELATIONS
 PO 586 COMMUNITY AND REGIONAL PLANNING
 PO 587 COMPARATIVE PUBLIC ADMIN AND PLANNING SYSTEMS

PA 590 PUBLIC SERVICE INTERNSHIP (variable credit). Arranged as field experience for those students with no prior experience in governmental or other organizational assignments. Such internships will be established and arrangements made for placement through the director of the MPA Program.

PA 593 THESIS (3 credits/semester). Selection of approved topic in public administration for major preparation and defense through consultation with major advisor.

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 documental 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 irregularly scheduled basis, according to student interest and staff availability. No more than 3 credits provided through conferences or workshops can be applied toward the MPA.

CR CRIMINAL JUSTICE ADMINISTRATION COURSES

Graduate

CR 510 SPECIAL PROBLEMS IN CORRECTIONAL TREATMENT (3-0-3)(F/S). Analysis of contemporary problems in the correctional programs of American society.

CR 511 SPECIAL PROBLEMS OF THE JUVENILE AND YOUTHFUL OFFENDER (3-0-3)(F/S). Examination of current processes in juvenile justice, rehabilitation programs, probation and utilization of community-based resources. Emphasis will be placed on preventive rehabilitative measures at the local level.

CR 580 SELECTED TOPICS—CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(F/S). Examination, evaluation and research regarding contemporary problems in the criminal justice system. Students will be required to do extensive reading and inquiry into special areas of concern and interest.

CR 595 READING AND CONFERENCE (1-2 credits). Directed reading on selected materials in criminal justice administration and discussion of these materials, as arranged and approved through major advisor.

CR 598 SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION (2-0-2)(F/S). Intensive analysis of selected subject areas of the system of criminal justice administration. PREREQ: CR 301.

SO SOCIOLOGY COURSES

Graduate

SO 501 THE SOCIOLOGY OF EDUCATION (3-0-3)(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). Examination of the sociological effect of age as a major dimension of social organization and stratification in American society and Western civilization. The course will consider the effects of changing patterns of longevity, resultant changes in age distribution of the population as these factors affect social, economic, and political systems.

SO 512 SOCIAL DEMOGRAPHY (3-0-3)(F/S). Techniques and methods for analyzing population growth, trends, and movement as reflected in actuarial data, birth-death rate; mobility, fertility and fecundity as these affect the societal patterns, especially planning for human service programs.

SO 580 SELECTED TOPICS—HUMAN SERVICES ADMINISTRATION (3 credits).

SO 595 READING AND CONFERENCE (1-2 credits). Directed reading on selected materials in human services administration and discussion of these materials as arranged and approved through major advisor.

Master of Science 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 program with the World Center for Birds of Prey, affords students a unique 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 application *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 Admissions Office, Boise State University, 1910 University Drive, Boise, ID 83725. In addition, the applicant should send a cover letter discussing 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 be 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)

Applied and Environmental Microbiology B 415G	4
Biometry B 501	4
Population and Community Ecology B 502	3
Raptor Ecology B 506	3

Graduate College

Seminar B 598 (1 credit)	2
Thesis B 593	6
Directed Research B 596 (6 credits maximum in a semester)	1-9
Mycology BT 330	4
Advanced Writing E 401	3
Mathematical Modeling M 564	3
Organizational Theory MG 540	3
Public Policy Formulation & Implementation PO 520	3
Entomology Z 305G	4
Ornithology Z 341G	3
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 415G APPLIED AND ENVIRONMENTAL MICROBIOLOGY (3-3-4)(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 MAMMALOLOGY (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, 1990

NOTE: The date in parentheses is the year of first appointment.

- A**
- Ackley Louise (1969)
Assistant Professor, English; A.M., University of Washington
- Affleck Stephen B (1981)
Associate Professor, Engineering; Ph.D., Iowa State University
- Allen John W (1971)
Professor, Physics; Ph.D., Harvard University
- Allen Robert L (1976)
Program Head; Advanced Instructor, Industrial Mechanics/Automation; B.A., Boise State University
- Anderson Holly L (1989)
Assistant Professor, Teacher Education; M.A., University of Utah
- Anderson Jeffrey M (1986)
Director, Clinical Education, Respiratory Therapy; Instructor, Respiratory Therapy; B.S., University of Wisconsin, Madison
- Anderson Robert (1970)
Professor, Mathematics; Ph.D., Michigan State University
- Anooshian Linda James (1988)
Department Chair and Professor, Psychology; Ph.D., University of California, Riverside
- Arambarri Gary (1976)
Manager, Technical Division; Senior Instructor, Welding; Diploma, Boise State University
- Ashworth Lonny J (1977)
Associate Professor, Respiratory Therapy; M.Ed., College of Idaho
- Atlakson Philip (1985)
Assistant Professor, Theatre Arts; M.A., State University of New York, Binghamton
- Ayers Kathleen L (1983)
Associate Professor, Mathematics; Ph.D., University of Idaho
- B**
- Bahruth Robert (1988)
Assistant Professor, Teacher Education; M.A. University of Texas, San Antonio
- Bain Craig E (1986)
Assistant Professor, Accounting; Ph.D., Texas A & M
- Baker Charles W (1968)
Professor, Biology; Ph.D., Oregon State University
- Baker Richard P (1973)
Professor, Sociology; Ph.D., Washington State University
- Baldassarre Joseph A (1975)
Associate Professor, Music; D.M.A., Case Western Reserve University
- Baldner Ronald (1978)
Program Head; Senior Instructor, Welding; M.Ed., University of Idaho
- Baldwin John B (1971)
Professor, Music; Ph.D., Michigan State University
- Ball Richard (1974)
Professor, Mathematics; Ph.D., University of Wisconsin
- Bammel Brad P (1988)
Assistant Professor, Chemistry; Ph.D., University of New Orleans
- Banks Richard C (1968)
Chairperson, Chemistry Department; Professor, Organic Chemistry; Ph.D., Oregon State University
- Barney Lloyd Dwayne (1986)
Assistant Professor, Finance; Ph.D., Texas A & M
- Barrett Gwynn W (1968)
Professor, History; Ph.D., Brigham Young University
- Barness Wylla D (1968)
Professor, Psychology; Ph.D., University of Minnesota
- Bauwens Jeanne (1984)
Assistant Professor, Teacher Education; Ed.D., University of Idaho
- Bechard Marc Joseph (1983)
Graduate Program Coordinator, Raptor Biology; Professor, Biology; Ph.D., Washington State University
- Belfy Jeanne Marie (1983)
Associate Professor, Music; Ph.D., University of Kentucky
- Benson Elmo B (1975)
Associate Professor, Art; Ed.D., University of Idaho
- Bentley Elton B (1980)
Associate Professor, Geology, Geophysics; Ph.D., University of Oregon
- Benton Danny (1983)
Standard Instructor, Drafting Technology; B.S., La Salle Extension University
- Berg Lynn R (1984)
Associate Professor, Music; D.M.A., Univ. of Wisconsin, Madison
- Bernstein Louis (1989)
Assistant Professor, History; Ph.D., University of Kansas
- Bieter J Patrick (1969)
Professor, Teacher Education; Ed.D., University of Idaho
- Bigelow John D (1982)
Professor, Management; Ph.D., Case Western Reserve University
- Bixby Michael B (1981)
Associate Professor, Management; J.D., University of Michigan
- Blain Michael (1983)
Associate Professor, Sociology; Ph.D., University of Illinois
- Blankenship Jim (1977)
Professor, Art; M.F.A., Otis Art Institute
- Bledsoe Cristy (1989)
Assistant Professor, Nursing; M.S.N., University of Colorado, Boulder
- Boren Robert R (1971)
Chairperson, Communication Department; Professor, Communication; Ph.D., Purdue University
- Borman LeAnne (1987)
Instructor, Practical Nursing; B.S., Idaho State University; B.S., University of Colorado
- Bounds Karen J (1973)
Associate Professor, Business and Office Education; Ed.D., North Texas State University
- Boyer Dale K (1968)
Professor, English; Ph.D., University of Missouri, Columbia
- Bratt J Wallis (1970)
Associate Professor, Music; M.M., University of Utah
- Brender Susan I (1969)
Professor, Computer Systems; Ph.D., University of Iowa
- Brinton Alan P (1975)
Professor, Philosophy; Ph.D., University of Minnesota, Minneapolis
- Brown Marcellus (1989)
Associate Professor, Music; M.M., University of Michigan
- Brown Timothy (1977)
University Librarian; Associate Professor, Library Science; M.S., University of Illinois
- Brownfield Theodore E (1979)
Advanced Instructor, Heavy-Duty Mechanics (Diesel)
- Buhler Peter (1980)
Professor, History; Ph.D., University of California, San Diego
- Burkey Ralph (1973)
Program Head; Senior Instructor, Drafting Technology
- Burmester Orvis (1968)
Assistant Professor, English; M.A., University of Montana
- Buss Stephen R (1979)
Chairperson, Theatre Arts Department; Associate Professor, Theatre Arts; Ph.D., Washington State University
- Butler Doris A (1981)
Advanced Instructor, Business & Office Education; Diploma, Boise State University
- 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 Machine Technology; A.A.S., Boise State University
- Callaghan Kathleen (1988)
Assistant Professor, Nursing; M.S., University of Wyoming
- Capell Harvey J (1982)
Assistant Professor, Decision Sciences, Computer Systems; M.B.A., Northwestern University
- Carlton Janet (1974)
Senior Instructor, Business & Office Education; M.A., Boise State University

Faculty

- Carpenter Connie S (1986)
Associate Professor, Nursing; Ed.D., Oklahoma University
- Carter Loren S (1970)
Professor, Chemistry; Ph.D., Washington State University
- Castleberry Robert (1988)
Instructor, Truck Driving
- Centanni Russell (1973)
Professor, Biology; Ph.D., University of Montana
- Chastain Garvin (1978)
Professor, Psychology; Ph.D., University of Texas, Austin
- Christensen James L (1970)
Associate Professor, Sociology; Ph.D., University of Utah
- 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 Kansas
- Crane David E (1969)
Head Catalog Librarian, Catalog Department, Library; Associate Professor, Library Science; M.A., California State University, San Jose
- Craner G Dawn (1975)
Associate Professor, Communication; M.A., Purdue University
- Curtis Elizabeth "Merle" (1971)
Program Head, Senior Instructor, Surgical Technology; M.Ed., University of Idaho
- D**
- Dahm Norman (1953)
Chairperson, Construction Management & Pre-Engineering Department; Professor, Engineering; M.Ed., University of Colorado
- Dalton Jack L (1958)
Professor, Chemistry; M.S., Kansas State University
- Davis Charles (1963)
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, Geology, Geophysics; 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
- Draayer Gerald F (1976)
Director, Center for Economic Education; Associate Professor, Economics; Ph.D., Ohio University
- Dufty Alfred M (1988)
Assistant Professor, Zoology; Ph.D., State University of New York, 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 Science; Ph.D., Washington State University
- Edmundson Phyllis J (1974)
Professor, Teacher Education; Ed.D., University of Northern Colorado
- Eglund Barbara (1984)
Manager, Business and Service Division; Instructor, Business and Office Education; M.S., University of Idaho
- 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
- Entorf John F (1989)
Dean and Professor, College of Technology; Ed.D., Texas A & M
- Ericson Robert E (1970)
Associate Professor, Theatre Arts; Ph.D., University of Oregon
- Evelt Stuart D (1972)
Assistant Professor, English; M.A., Vanderbilt University
- F**
- Fahleson Genger A (1974)
Associate Professor, Physical Education; Ph.D., University of Wyoming
- Farnsworth Judy (1989)
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, A. S. Nursibg 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; Ph.D., Syracuse University
- Freemuth John C (1986)
Assistant Professor, Political Science; Ph.D., Colorado State University
- French Judith (1976)
Associate Professor, Teacher Education; Ph.D., Florida State University
- Friedli Robert L (1972)
Professor, Teacher Education; Ph.D., University of Utah
- Fry Phillip C (1987)
Assistant Professor, Decision Sciences; Ph.D., Louisiana State University
- Fuhriman Jay R (1982)
Director, Bilingual Education; Associate Professor, Teacher Education; Ed.D., Texas A & I University
- Fuller Eugene G (1967)
Professor, Biology; Ph.D., Oregon State University
- Furrh Daniel L (1989)
Assistant Professor, Management; J.D., University of Illinois, Urbana-Champaign

- G**
- Gabert Marvin C. (1979)
Professor, Construction Management; M.S., Stanford University
- Gaines Marlin L. (1980)
Program Head; Standard Instructor, Agricultural Equipment Technology
- Gains Charles R. (1988)
Assistant Professor, Construction Management & Pre-Engineering; M.B.A., Boise State University
- Gallup V Lyman (1977)
Associate Professor, Decision Sciences; Ph.D., University of Oregon
- Gehrke Pamela (1988)
Assistant Professor, Nursing; M.S., University of Portland
- Gill Karen S. (1985)
Catalog Librarian, Catalog Department, Library; Assistant Professor; A.M.L.S., University of Michigan
- Classen Gustav B. (1979)
Standard Instructor, Machine Shop; Certificate, Mergenthaler Linotype Co.
- Glen Roy (1982)
Associate Professor, Management; Ph.D., Case Western Reserve University
- Gough Newell "Sandy" (1989)
Assistant Professor, Management; M.B.A., University of Montana
- Gourley Margaret (1977)
Advanced Instructor, Child Services/Management; B.A., College of Wooster
- Grantham Stephen B. (1982)
Chairperson, Mathematics Department; Associate Professor, Mathematics; Ph.D., University of Colorado
- Green Gary I. (1988)
Department Chair and Associate Professor, Computer Systems & Production Management; Ph.D., University of Washington
- Griffin Dennis (1989)
Canyon County Division Manager; Instructor, Vocational Education; M.Ed., College of Idaho
- Griffin John (1983)
Associate Professor, Mathematics; Ph.D., Washington State University
- Groebner David F. (1973)
Professor, Decision Sciences; Ph.D., University of Utah
- Guerin Michael (1986)
Assistant Professor, Teacher Education; Ph.D., University of Idaho
- Guilford Charles (1981)
Associate Professor, English; Ph.D., Northwestern University
- H**
- Hadden James (1972)
Assistant Professor, English; Ph.D., University of Washington
- Haefel James A. (1982)
Associate Professor, Engineering; M.S.E.E., Montana State University
- Hall Lee Edward (1979)
Advanced Instructor, Auto Mechanics
- Hambelton Benjamin E. (1975)
Assistant Executive Vice President; Director, Simplot/Micron Technology Center; Assistant Professor, Teacher Education; M.Ed., Utah State University
- Harbison Warren (1977)
Associate Professor, Philosophy; Ph.D., Syracuse University
- Hart Richard L. (1978)
Dean, College of Education; Professor, Education; Ed.D., University of Nebraska, Lincoln
- Hausrath Alan R. (1977)
Professor, Mathematics; Ph.D., Brown University
- Heap Felix A. (1978)
Professor, Art; Ph.D., University of Minnesota
- Heise Frank K. (1971)
Executive Director, Morrison Center; Associate Professor, Theatre Arts; M.A., University of South Dakota
- Heist Noreen (1984)
Advanced Instructor, Practical Nursing; B.S.N., University of Utah
- Henbest Margaret W. (1988)
Assistant Professor, Nursing; M.S., California State University, Long Beach
- Hibbs Robert A. (1965)
Professor, Analytical Chemistry; Ph.D., Washington State University
- Hickman Vernon L. (1987)
Instructor, Culinary Arts
- Hill Kenneth L. (1968)
Associate Dean, College of Education; Professor, Teacher Education; Ed.D., University of Idaho
- Hoeger Werner W K. (1986)
Director, Human Performance Laboratory; Professor, Physical Education; Ed.D., Brigham Young University
- Hogue Kenneth D. (1985)
Program Head; Instructor, Heavy-Duty Mechanics (Diesel)
- Hollenbaugh Ken (1968)
Dean, Graduate College; Professor, Geology; Ph.D., University of Idaho
- Hoopes Gaye (1978)
Associate Professor, Art; M.A., Boise State University
- Hopfenbeck Ted H. (1967)
Associate Professor, Criminal Justice Administration; M.Ed., University of Arizona
- Hourcade Jack Joseph (1987)
Associate Professor, Teacher Education; Ph.D., University of Missouri, Columbia
- Hsu Madeleine (1971)
Professor, Music; Ph.D., New York University
- Huff Daniel D. (1970)
Professor, Social Work; M.S.W., University of Kansas
- Huff Howard L. (1965)
Professor, Art; M.F.A., University of Idaho
- Hughes Robert B. (1971)
Professor, Mathematics; Ph.D., University of California, Riverside
- Huskey Darryl L. (1968)
Head Librarian, Documents Department, Library; Associate Professor, Library Science; M.L., Emporia State University
- Hyde Kenneth A. (1979)
Instruction Product Development Specialist, Simplot/Micron Technology Center; Assistant Professor, Education; M.Ed., Utah State University
- I**
- Imbs Bonnie J. (1976)
Program Head; Senior Instructor, Dental Assisting; Certificate, State University of New York
- Ison Gail (1970)
Professor, Psychology; Ph.D., University of Oregon
- J**
- Jansson Paul R. (1981)
Senior Instructor, Business Machine Technology; B.S.Ed., University of Idaho
- Jarratt Mary K. (1987)
Assistant Professor, Mathematics; Ph.D., Montana State University
- Jensen John H. (1969)
Director of HEP/CAMP, Trio Coordinator; Professor, Teacher Education; Ph.D., University of Oregon
- Jensen Margaret G. (1982)
Associate Director, Bilingual Education; Associate Professor, Teacher Education; Ed.D., Texas A & I University
- Jocums George A. (1973)
Professor, Foreign Languages; Ph.D., University of Michigan
- Johnson David (1980)
Chair and Associate Professor, Social Work; M.S.W., Rutgers State University
- Jones Daryl E. (1986)
Dean, College of Arts & Sciences; Professor, English; Ph.D., Michigan State University
- Jones Donald S. (1970)
Program Head; Senior Instructor, Business Machine Technology
- Jones Errol D. (1982)
Associate Professor, History; Ph.D., Texas Christian University
- Jull Robert G. (1989)
Instructor, College of Technology; A.S.E.T., Madison Area Technical College
- Juola Robert C. (1970)
Professor, Mathematics; Ph.D., Michigan State University
- K**
- Kaupins Gundars Egons (1986)
Assistant Professor, Management; Ph.D., University of Iowa
- Keiser John H. (1978)
President, Boise State University; Professor, History; Ph.D., Northwestern University

Faculty

- Kenny G Otis (1976)
Associate Professor, Mathematics; Ph.D., University of Kansas
- Kerr Charles R (1969)
Professor, Mathematics; Ph.D., University of British Columbia
- Killmaster John (1970)
Professor, Art; M.F.A., Cranbrook Academy of Art
- Kincaid Larry G (1988)
Reference Librarian; Associate Professor, Library Science; M.L.S., University of Washington
- King Jay A (1975)
Assistant Professor, English; M.A., New York University; Ph.D., University of British Columbia
- Kinney Richard (1976)
Professor, Political Science; Ph.D., University of Notre Dame
- Kirtland William (1969)
Professor, Teacher Education; Ed.D., Arizona State University
- Kjellander Paul (1989)
Assistant Professor, Applied Technology, Special Projects Unit Director, KBSU Radio; M.A., Ohio University
- Kober J Alfred (1968)
Professor, Art; M.S., Fort Hays State University
- Koeppen David R (1986)
Associate Professor, Accounting; Ph.D., University of Wisconsin, Madison
- Kozar Bill (1989)
Associate Professor, Physical Education; Ph.D., University of Iowa
- Kraker Thomas L (1977)
Chair, Radiologic Sciences; Associate Professor, Radiologic Sciences; Ed.M., College of Idaho
- Kulm Julia Hosman (1987)
Instructor, Culinary Arts; A.A.S., Boise State University
- L**
- La Cava Gerald (1982)
Professor, Decision Sciences; Ph.D., University of Kansas
- Lagerstrom Dessa L (1989)
Instructor, Practical Nursing; M.P.A., Boise State University
- Lambert Carroll (1976)
Professor, Teacher Education; Ed.D., Utah State University
- Lamet Daniel G (1970)
Professor, Mathematics; Ph.D., University of Oregon
- Lane Richard C (1969)
Associate Professor, Marketing; M.S., Kansas State University
- Lathen William (1984)
Chairperson, Accounting Department; Associate Professor, Accounting; Ph.D., Arizona State University
- Lauterbach Charles E (1971)
Professor, Theatre Arts; Ph.D., Michigan State University
- Leahy Margaret K (1982)
Instructor, Nursing; B.S., University of San Francisco
- Leahy Richard (1971)
Professor, English; Ph.D., University of California, Davis
- Leon Manuel (1985)
Assistant Professor, Psychology; Ph.D., University of California, San Diego
- Lester Jody (1983)
Assistant Professor, Respiratory Therapy; M.A., Boise State University
- Lewis Ray (1956)
Associate Professor, Physical Education; M.S., University of Idaho
- Lichtenstein Peter M (1975)
Professor, Economics; Ph.D., University of Colorado
- Lincoln Douglas J (1980)
Professor, Marketing; Ph.D., Virginia Poly Inst & State University
- Lindsey Melinda (1987)
Assistant Professor, Teacher Education; Ph.D., University of Oregon
- Lojek Helen (1983)
Associate Professor, English; Ph.D., University of Denver
- Long Elaine M (1975)
Chairperson, Community & Environmental Health; Associate Professor, Nutrition; M.S., Iowa State University
- Long James A (1974)
Associate Chairperson, Biology Department; Associate Professor, Biology; Ph.D., Iowa State University
- Long Robert A (1988)
Associate Professor, Environmental Health; Dr. P.H., University of Texas Health Science Center at Houston
- Loucks Christine (1989)
Assistant Professor, Economics; Ph.D., Washington State University
- Lovin Hugh T (1965)
Professor, History; Ph.D., University of Washington
- Luke Robert A (1968)
Chairperson, Physics Department; Professor, Physics; Ph.D., Utah State University
- Lundy Phoebe J (1966)
Associate Professor, History; M.S., Drake University
- Lvkken Briattha (1972)
Associate Professor, English; D.A., Idaho State University
- Lyons Lamont S (1977)
Associate Professor, Teacher Education; Ed.D., University of Massachusetts
- M**
- MacDonald Patricia (1988)
Associate Professor, Nursing; M.S., University of Virginia
- MacInnis Jean (1962)
Senior Instructor, Dental Assisting
- Madden Terry Jo (1983)
Reference Librarian, Reference Department, Library; Assistant Professor, Library Science; M.L., University of Washington
- Maguire James H (1970)
Professor, English; Ph.D., Indiana University
- Maher Matthew (1989)
Assistant Professor, Marketing & Finance; Ph.D., University of Illinois
- Maloof Giles (1968)
Professor, Mathematics; Ph.D., Oregon State University
- Manship Darwin W (1970)
Professor, Business Communication; Ed.D., Brigham Young University
- Marsh Robert L (1974)
Chair and Associate Professor, Criminal Justice Administration; Ph.D., Sam Houston State University
- Martin Carol A (1972)
Chairperson, English Department; Professor, English; Ph.D., Catholic University of America
- Martin Kathleen A (1988)
Assistant Professor, Nursing; M.S., University of Portland
- Mason Jon L (1983)
Assistant Professor, Construction Management; M.S., University of Santa Clara
- Matjeka Anne L (1981)
Head Librarian, Curriculum Resource Center, Library; Associate Professor, Library Science; M.L.S., State University of New York, Albany
- Matjeka Edward R (1976)
Professor, Organic Chemistry; Ph.D., Iowa State University
- Matson Constance (1968)
Associate Professor, Nursing; M.Ed., University of Idaho
- Matthews Catherine E (1989)
Assistant Professor, Teacher Education; M.A., University of Kansas
- Maxson Emerson C (1968)
Associate Professor, Computer Systems; D.B.A., Texas Tech University
- McCain Gary (1979)
Professor, Marketing; Ph.D., University of Oregon
- McCloskey Richard (1976)
Professor, Biology; Ph.D., Iowa State University
- McCorkle Suzanne (1978)
Associate Professor, Communication; Ph.D., University of Colorado
- McCrorie Duane R (1985)
Assistant Professor, Radiologic Sciences; M.S., Whitworth College
- McCulloch Donna (1985)
Standard Instructor, Practical Nursing; B.S., Montana State University
- McGuire Sherry (1967)
Assistant Professor, English; M.A., Washington State University
- McKie Gerald (1983)
Program Head; Instructor, Electrical Lineworker; Certificate, Idaho Power Company
- McLuskie C Ed Jr (1981)
Professor, Communication; Ph.D., University of Iowa
- Mech William P (1970)
Director, Honors Program; Professor, Mathematics; Ph.D., University of Illinois
- Medlin John J (1970)
Associate Professor, Accounting; M.B.A., University of Denver
- Mercer Gary D (1975)
Professor, Inorganic Chemistry; Ph.D., Cornell University
- Merz C Mike (1974)
Professor, Accounting; D.B.A., University of Southern California

- Messick J Alan (1986)
Program Head; Instructor, Refrigeration, Heating, Air Conditioning
- Metzgar Wanda M (1976)
Senior Instructor, Business & Office Education
- Mikesell Charles (1976)
Program Head; Senior Instructor, Auto Mechanics; B.S., University of Idaho
- Miller Beverly A (1968)
Reference Librarian, Reference/Interlibrary Loan, Library; Associate Professor, Library Science; M.A., University of Denver
- Miller Merlin (1982)
Associate Professor, Art; M.F.A., Brigham Young University
- Miller Wayne R (1983)
Director, Outdoor Adventure Program; Assistant Professor, Physical Education; M.S.Ed., University of Southern California
- Mills Janet Lee (1989)
Professor, Communication; Ph.D., University of Kansas
- Minch Robert P (1986)
Associate Professor, Computer Systems; Ph.D., Texas Tech Univ.
- Moen Gary D (1986)
Instructor, Horticulture; B.S., Mayville State College
- Moncrief Gary F (1976)
Chairperson, Political Science; Professor, Political Science; Ph.D., University of Kentucky
- Morris Daniel N (1986)
Assistant Professor, Communication; M.A., Northwestern University
- Morrison Timothy Glen (1989)
Associate Professor, Teacher Education; Ph.D., University of Illinois, Urbana-Champaign
- Most Marshall (1987)
Instructor, Communication; M.A., Boise State University
- Munger James C (1988)
Assistant Professor, Biology; Ph.D., University of Arizona
- Murray Judith (1989)
Associate Professor, Nursing; Ph.D., University of Iowa
- Murray Thomas (1989)
Standard Instructor, College of Technology; M.B.A., John F. Kennedy University
- N**
- Napier Nancy K (1986)
Chairperson and Associate Professor, Management; Ph.D., Ohio State University
- Naumann Earl (1987)
Chairperson, Marketing & Finance; Associate Professor, Marketing; Ph.D., Arizona State University
- Nelson Anne M (1967)
Counseling Psychologist, Counseling & Testing Center; Associate Professor, Education; Ph.D., University of Oregon
- Nelson Karen (1985)
Assistant Professor, Nursing; M.N., Brigham Young University
- Nelson Mardell Christin (1989)
Assistant Professor, Social Work; M.S.W., Eastern Washington University
- Newby Gary R (1966)
Professor, Physics; Ph.D., Arizona State University
- Nicholson James A (1986)
Director, Counseling & Testing Center; Counseling Psychologist; Professor, Psychology; Ph.D., University of Missouri, Columbia
- Nickerson, Ross S (1966)
Assistant Professor, English; M.A., University of Utah
- Nix David E (1975)
Associate Professor, Accounting; Ph.D., Oklahoma State University
- Noonan, Elizabeth (1989)
Program Head, Instructor, Child Care Services; B.S., Wheelock College
- Norman Frederick J (1969)
Director, Community Relations; Professor, Theatre Arts; M.A., University of Northern Colorado
- Nuerenberg David V (1987)
Program Head; Instructor, Respiratory Therapy Technician; B.S., National College
- O**
- Oakes Donald R (1966)
Associate Chairperson, Music Department; Associate Professor, Music; M.M., Northwestern University
- Odahl Charles M (1975)
Professor, History; Ph.D., University of California, San Diego
- Olson Thomas E (1975)
Standard Instructor, Mathematics, Vocational Technical; B.S.Ed., University of Idaho
- Oravez David L (1964)
Associate Professor, Art; M.S., University of Wisconsin, Madison
- Ostrander Gloria J (1971)
Acquisitions Librarian, Technical Services, Library; Associate Professor, Library Science; M.L.S., University of Washington
- Otterness Nancy (1982)
Assistant Professor, Nursing; M.S., Idaho State University
- Ourada Patricia K (1962)
Professor, History; Ph.D., University of Oklahoma
- Overgaard Willard (1972)
Professor, Political Science; Ph.D., University of Minnesota
- Oyler Neldon D (1966)
Program Head; Instructor, Horticulture; B.S., Brigham Young University
- P**
- Paluzzi James V (1989)
General Manager, KBSU; Associate Professor, Applied Technology; Ph.D., Kent State University
- Panitch Arnold (1974)
Professor, Social Work; M.S.W., Wayne State University
- Papenfuss Herbert (1967)
Professor, Biology; Ph.D., Colorado State University
- Parke Charles R (1980)
Program Head; Advanced Instructor, Auto Body; Certificate, Idaho State University
- Parker Ben L (1977)
Professor, Communication; Ph.D., Southern Illinois University, Carbondale
- Parkinson Del R (1985)
Professor, Music; D.Mus., Indiana University
- Parks Donald J (1973)
Professor, Engineering; Ph.D., University of Minnesota
- Patton David (1989)
Applied Research Director, Assistant Professor, Political Science; Ph.D., University of Utah
- Pavesic Max G (1973)
Professor, Anthropology; Ph.D., University of Colorado, Boulder
- Payne Anne (1988)
Associate Dean, Chairperson, Department of Nursing; Associate Professor, Nursing; Ed.D., University of Tulsa
- Payne Richard D (1979)
Professor, Economics; Ph.D., University of Southern California
- Pearson Thel (1982)
Associate Professor, Teacher Education; Ph.D., University of California, San Francisco
- Pelton John R (1981)
Professor, Geology, Geophysics; Ph.D., University of Utah
- Peterson Faith Young (1979)
Assistant Professor, Nursing; M.P.A., Boise State University
- Petlichkoff Linda M (1987)
Assistant Professor, Physical Education; Ph.D., University of Illinois
- Pfeiffer Ronald (1980)
Associate Professor, Physical Education; Ed.D., Brigham Young University
- Pirrong Gordon D (1978)
Associate Professor, Accounting; D.B.A., Arizona State University
- Pitman C Harvey (1966)
Associate Professor, Communication; M.Ed., Washington State University
- Plew Mark G (1984)
Chair and Associate Professor, Anthropology; Ph.D., Indiana University, Bloomington
- Pomerance Andrea Lynn (1989)
Instructor, Nursing; M.S., University of Minnesota
- Porter Sidney C (1985)
Assistant Professor, Mathematics; Ph.D., Yale University
- Potter Glenn R (1985)
Chairperson, Health, Physical Education, and Recreation Department; Professor, Physical Education; Ed.D., Brigham Young Univ.
- Purdy Craig A (1987)
Assistant Professor, Music; M.M., New England Conservatory
- Q**
- Quinowski Charles D (1970)
Counselor and Instructor, Vocational Technical; B.S.(Ed.), Southern Oregon College

Faculty

- R**
- Ray Nina Marie (1986)
Assistant Professor, Marketing; Ph.D., Texas Tech University
- Rayborn David W (1969)
Associate Professor, Communication; M.S., Southern Illinois University
- Raymond Gregory A (1974)
Professor, Political Science; Ph.D., University of South Carolina
- Reimann Richard J (1975)
Professor, Physics; Ph.D., University of Washington
- Reynolds R Larry (1979)
Professor, Economics; Ph.D., Washington State University
- Ritchie Karen E (1985)
Assistant Professor, Teacher Education; M.S., College of Idaho
- Roberts George F (1970)
Professor, Art; M.F.A., University of Iowa
- Robertson John B (1974)
Associate Professor, Foreign Languages; Ph.D., University of Arizona
- Rozmajzl Michon (1986)
Associate Professor, Music; Ph.D., University of Michigan
- Rudd Robert A (1985)
Assistant Professor, Communication; Ph.D., University of Oregon
- Russell James K (1969)
Professor, Art; M.F.A., University of Iowa
- Ruyle Asa M (1976)
Vice President, Finance and Administration; Bursar; Professor, Education; Ed.D., University of Missouri
- Rychert Robert C (1975)
Professor, Biology; Ph.D., Utah State University
- Ryder Mary Ellen (1988)
Assistant Professor, English; M.A., University of California, San Diego
- S**
- Sadler Norma J (1973)
Professor, Teacher Education; Ph.D., University of Wisconsin, Madison
- Sahni Chaman L (1975)
Professor, English; Ph.D., Wayne State University
- Sallie Steven S (1981)
Associate Professor, Political Science; Ph.D., University of Nebraska
- Samball Michael (1976)
Associate Professor, Music; D.M.A., North Texas State University
- Sanderson Richard K (1971)
Associate Professor, English; Ph.D., New York University
- Schackel Sandra K (1989)
Assistant Professor, History; Ph.D., University of New Mexico
- Scheepers Marion (1988)
Assistant Professor, Mathematics; Ph.D., University of Kansas
- Scheffer Martin (1964)
Chair and Professor, Sociology; Ph.D., University of Utah
- Schoedinger Andrew B (1972)
Associate Professor, Philosophy; Ph.D., Brown University
- Schooley Diane (1989)
Assistant Professor, Finance; Ph.D., University of Colorado, Boulder
- Schreffler, Joseph S (1989)
Instructor, Electronics; B.S., California Polytechnic State University
- Schroeder Gerald H (1978)
Associate Professor, Music; D.M.A., University of Colorado
- Schroeder Jeff D (1981)
Program Head; Advanced Instructor, Small Engine Repair; A.A.S., Boise State University
- Scott Stanley V (1985)
Assistant Professor, Marketing; Ph.D., Ohio State University
- Seddon Carol (1978)
Associate Professor, Medical Records; M.S., Oregon State University
- Selander Glenn E (1966)
Assistant Professor, English; M.A., Utah State University
- Selland Larry G (1986)
Executive Vice-President; Professor, Vocational Technical Education; Ph.D., Colorado State University
- Shallat Todd A (1985)
Assistant Professor, History; Ph.D., Carnegie-Mellon University
- Shankweiler William E (1956)
Professor, Theatre Arts; Ph.D., University of Denver
- Shannon Patrick (1985)
Professor, Decision Sciences; Ph.D., University of Oregon
- Shelly Vicki (1988)
Assistant Professor, Nursing; M.S., University of Washington
- Shelton Melvin L (1968)
Professor, Music; M.M., University of Idaho
- Shin Bong (1979)
Associate Dean, College of Business; Professor, Management; Ph.D., University of Georgia
- Shurtleff-Young Cheryl (1978)
Assistant Professor, Art; M.A., University of Oregon
- Sims Robert C (1970)
Dean, School of Social Sciences & Public Affairs; Professor, History; Ph.D., University of Colorado
- Singh Ramlaykha (1975)
Coordinator, Field Services, Teacher Education; Professor, Teacher Education; Ed.D., University of Northern Colorado
- Singletary Ted J (1989)
Assistant Professor, Teacher Education; Ph.D., University of Illinois, Urbana-Champaign
- Skillern William G (1971)
Professor, Interdisciplinary Humanities; Ph.D., University of Idaho
- Skoro Charles L (1982)
Chairperson, Economics Department; Associate Professor, Economics; Ph.D., Columbia University
- Skov Army R (1967)
Professor, Art; M.F.A., University of Idaho
- Slough Manly Ed (1987)
Program Head; Instructor, Culinary Arts
- Sluder Stanley (1983)
Advanced Instructor, Electronics; Certificate, Idaho State University
- Smith Brent (1981)
Associate Professor, Art; M.F.A., Utah State University
- Smith William S (1973)
Professor, Physics; Ph.D., University of Wisconsin, Madison
- Snow Mark E (1971)
Professor, Psychology; Ph.D., University of Utah
- Snyder Walter S (1984)
Assistant Professor, Geology; Ph.D., Stanford University
- Spafford Stephen (1972)
Dean of Admissions; Instructor, Psychology; M.A., University of Oregon
- Spinosa Claude (1970)
Professor, Geology; Ph.D. University of Iowa
- Spitzer Dean R (1987)
Associate Professor, Applied Technology; Ph.D., University of Southern California
- Spitzer Terry-Ann (1981)
Assistant Professor, Physical Education; M.S., University of Illinois
- Springer JoAnne W (1988)
Assistant Professor, Nursing; M.S.N., Yale University
- Springer Pamela (1989)
Instructor, Nursing; M.S., California State University, Fresno
- Stack James D (1984)
Advanced Instructor, Electronics Service Technology; M.S., New Jersey Institute of Technology
- Staley Orland Scott (1989)
Instructor, Radiologic Sciences; B.S., Boise State University
- Stark Frank W (1957)
Professor, Chemistry, Physical Science; M.S., Trinity College
- Steger Harry L (1972)
Professor, Psychology; Ph.D., University of Kentucky
- Stitzel Thomas E (1975)
Dean, College of Business; Professor, Finance; Ph.D., University of Oregon
- Stokes Lee W (1987)
Associate Professor, Environmental Health; Ph.D., University of Minnesota, Minneapolis
- Straub Hilary (1984)
Assistant Professor, Nursing; M.S., Indiana University, Bloomington
- Strong Janet (1973)
Orientation Librarian; Assistant to the University Librarian; Associate Professor, Library Science; M.L.S., University of Washington
- Suedmeyer Joan A (1986)
Associate Professor, Teacher Education; Ed.D., Syracuse University
- Sulanke Robert (1970)
Professor, Mathematics; Ph.D., University of Kansas
- Sumter Bonnie J (1978)
Manager, Health & Services Division; B.S.Ed., University of Idaho
- T**
- Takeda Yozo (1969)
Professor, Mathematics; Ph.D., University of Idaho

- Takehara John S (1968)
Professor, Art; M.A., Los Angeles State College
- Talbot Kathleen (1989)
Assistant Professor, Economics; Ph.D., Tulane University
- Taye John A (1975)
Associate Professor, Art; M.F.A., Otis Art Institute
- Taylor Adrien P Jr (1977)
Head Librarian, Reference Department, Library; Professor, Library Science; M.A., University of Denver
- Taylor David S (1972)
Vice President, Student Affairs; Professor, Psychology; Ph.D., Michigan State University
- Taylor Patricia A (1975)
Associate Professor, Nursing; M.Ed., College of Idaho
- Taylor Ronald S (1975)
Associate Professor, Art; M.F.A., Utah State University
- Thomason George (1975)
Assistant Professor, Music; M.A., Boise State University
- Thorngren Connie M (1970)
Assistant Professor, Physical Education; M.Ed., Central Washington University
- Tillman Charles (1977)
Senior Instructor, Heavy Duty Mechanics-Diesel; Diploma, University of Idaho
- Tisdale Janet (1989)
Instructor, Practical Nursing; B.S., Montana State University
- Towle Mary Ann (1976)
Senior Instructor, Practical Nursing; M.Ed., University of Idaho
- Travis Darlene K (1989)
Instructor, Radiologic Sciences; B.S., Idaho State University
- Trusky Tom (1970)
Professor, English; M.A., Northwestern University
- Twight Charlotte (1986)
Associate Professor, Economics; Ph.D., University of Washington
- U**
- Uehling Karen S (1981)
Assistant Professor, English; M.A., University of California, Irvine
- V**
- Vahey JoAnn T (1973)
Director, Baccalaureate Nursing; Professor, Nursing; Ed.D., Columbia University
- Valverde Luis J (1965)
Professor, Foreign Languages; Ed.D., University of California, Los Angeles
- Vaughn Ross E (1973)
Associate Professor, Physical Education; Ph.D., Washington State University
- Vinz Ruth (1989)
Assistant Professor, Teacher Education; M.A., Boise State University
- Vinz Warren L (1968)
Chairperson, History Department; Professor, History; Ph.D., University of Utah
- Virta Alan (1988)
Head of Special Collections, Library; Assistant Professor, Library Science; M.L.S., University of Maryland
- Voigt Denise (1987)
Instructor, Respiratory Therapy Technician, Vocational Technical
- W**
- Waag Charles J (1981)
Professor, Geology; Ph.D., University of Arizona
- Waite Wenden W (1976)
Professor, Teacher Education; Ph.D., Utah State University
- Waldorf Larry L (1970)
Associate Professor, Management; Ph.D., Colorado State University
- Wallace Steve R (1972)
Assistant Professor, Physical Education; M.S., University of Utah
- Walsh Anthony (1984)
Associate Professor, Criminal Justice Administration; Ph.D., Bowling Green State University
- Warberg William B (1977)
Director, Internships/Cooperative Education; Associate Professor, Computer Systems; Ed.D., Oregon State University
- Ward Frederick R (1969)
Professor, Mathematics; Ph.D., Virginia Poly Inst & State University
- Warner Kathleen C (1966)
Assistant Professor, English; Ph.D., Indiana University, Bloomington
- Watts Donald J (1971)
Senior Instructor, Drafting Technology; B.S., University of Idaho
- Weatherby James B (1989)
Director, Public Affairs Program; Associate Professor, Political Science and Public Affairs; Ph.D., University of Idaho
- Wells David A (1986)
Associate Professor, Music; M.M.E., VanderCook College of Music
- Wertman Donald L (1979)
Program Head; Senior Instructor, Machine Shop; A.A.S., Pennsylvania State University
- White Craig (1980)
Chairperson, Geology & Geophysics Department; Associate Professor, Geology, Geophysics; Ph.D., University of Oregon
- White Harry (1988)
Assistant Professor, Finance; Ph.D., Texas A & M
- Wicklow-Howard Marcia (1975)
Chairperson, Biology Department; Professor, Biology; Ph.D., Oregon State University
- Widmayer Jayne A (1981)
Professor, English; Ph.D., University of Michigan
- Wilcox Marguerite (1972)
Associate Professor, Nursing; M.N., University of California, Los Angeles
- Wilkinson Edwin E (1958)
Dean, Student Special Services; Associate Professor, Psychology; M.S., Washington State University
- Williamson Marjorie (1967)
Secretary, Faculty Senate; Associate Professor, Business & Office Education; M.B.Ed., University of Idaho
- Willis Lonnie L (1970)
Professor, English; Ph.D., University of Colorado, Boulder
- Wilson Monte D (1969)
Professor, Geology; Ph.D., University of Idaho
- Wilterding Jim (1976)
Professor, Management; D.B.A., Texas Tech University
- Wines William A (1984)
Professor, Management; J.D., University of Michigan
- Winston Edmund W (1986)
Professor, Music; D.M.A., Louisiana State University
- Witt Stephanie L (1989)
Assistant Professor, Political Science; Ph.D., Washington State University
- Witte Mary (1989)
Chairperson, Professor, Art; Ph.D., University of Wisconsin
- Wojtkowski W Gregory (1982)
Associate Professor, Computer Systems, Decision Sciences; Ph.D., Case Western Reserve University
- Wojtkowski Wita (1983)
Assistant Professor, Computer Systems, Decision Sciences; Ph.D., Case Western Reserve University
- Wollheim Peter (1989)
Instructor, Communication; M.A., Simon Fraser University
- Wood Spencer H (1977)
Professor, Geology, Geophysics; Ph.D., California Institute of Technology
- Wyllie Gilbert A (1965)
Associate Professor, Biology; Ph.D., Purdue University
- Y**
- Young Jerry L (1964)
Professor, Mathematics; Ed.D., University of Northern Colorado
- Young Katherine (1988)
Associate Professor, Teacher Education; Ed.D., Utah State University
- Young Virgil M (1967)
Chair and Professor, Teacher Education; Ed.D., University of Idaho
- Yunker Douglas (1976)
Associate Professor, Social Work; M.S.W., Indiana University
- Z**
- Zaerr Linda M (1987)
Assistant Professor, English; Ph.D., Washington State University
- Zirinsky Driek (1984)
Professor; English; Ph.D., University of North Carolina, Chapel Hill
- Zirinsky Michael P (1973)
Professor, History; Ph.D., University of North Carolina, Chapel Hill

Boise State University Emeriti

Faculty

Dorothy Albertson, Professor, Office Administration (1953-1977)
 Thelma F. Allison, Associate Professor, Home Economics (1946-1973)
 John B. Barnes, President, Boise State University (1967-1977)
 John Beitia, Professor, Teacher Education (1970-1985)
 John H. Best, Professor, Music (1947-1983)
 Bill Bowman, Department Chair and Professor, Physical Education (1969-1985)
 Phyllis Bowman, Assistant Professor, Physical Education (1969-1985)
 Jean C. Boyles, Assistant Professor, Physical Education (1949-1957, 1962-1984)
 C. Griffith Bratt, Professor, Music (1946-1976)
 James R. Buchanan, Assistant Professor, Welding (1959-1978)
 Richard E. Bullington, Vice President for Information Extension, Professor, Teacher Education (1968-1989)
 Clara Burtch, Associate Professor, Teacher Education, Library Science (1969-1978)
 Erma M. Callies, Department Head and Counselor, Vocational Student Services (1969-1985)
 William Carson, Associate Professor, Accounting (1963-1982)
 Eugene B. Chaffee, President, (1932-1967)
 Acel H. Chatburn, Professor, Education (1944-1977)
 R. Wayne Chatterton, Professor, English (1968-1983)
 Doran L. Connor, Assistant Professor, Physical Education (1966-1989)
 E. John Dahlberg, Professor, Teacher Education (19760-1989)
 Mary Dallas, Program Head, Senior Instructor, Practical Nursing (1976-1989)
 James D. Doss, Associate Dean, College of Business, Associate Professor, Management (1970-1984)
 Clisby Edlefsen, Professor, Business (1939-1969)
 J. Calvin Emerson, Associate Professor, Chemistry (1933-1940, 1960-1973)
 Evelyn C. Everts, Associate Professor, Library Science (1957-1977)
 Marjorie Fairchild, Associate Professor, Library Science (1966-1975)
 Milton Fleshman, Assistant Professor, Auto Mechanics Technology (1959-1974)
 H. K. Fritchman II, Professor, Biology (1954-1989)
 Albert Fuehrer, Instructor, Auto Mechanics Technology (1965-1978)
 John F. Hager, Associate Professor, Machine Shop (1954-1969)
 Clayton Hahn, Associate Professor, Engineering (1963-1981)
 Ralph W. Hansen, Associate University Librarian, Professor, Library Science (1979-1989)
 Alice H. Hatton, Registrar (1959-1974)
 Ken L. Hill, Professor, Education (1962-1970)
 LaVar Hoff, Instructor, Culinary Arts (1979-1986)
 James W. Hopper, Associate Professor, Music (1970-1986)
 Robert D. Jameson, Special Lecturer, Management (1988)
 Helen R. Johnson, Associate Professor, Business Education (1955-1978)
 Leo Jones, Professor, Biology (1972-1981)
 Fenton C. Kelley, Associate Professor, Biology (1969-1989)
 Louis J. King, Instructor, Auto Mechanics Technology (1970-1985)
 Leo L. Knowlton, Professor, Marketing (1965-1985)
 Ellis W. Lamborn, Professor, Economics (1968-1989)
 Max Lamborn, Instructor, Parts Counterperson (1972-1981)
 John Leigh, Jr., Instructor, Drafting Technology (1971-1983)
 Joan Lingenfelter, Program Head, Senior Instructor, Child Care Services (1973-1989)
 Ruth A. Marks, Professor, Teacher Education, Library Science (1970-1982)
 Adelaide Anderson Marshall, Assistant Professor, Music (1939-1948, 1966-1972)
 Ruth McBirney, University Librarian, (1940-1942, 1943-1977)
 Carroll Meyer, Professor, Music (1948-1985)
 Florence M. Miles, Professor, Nursing (1955-1980)
 Kathryn Eckhardt Mitchell, Assistant Professor, Violin (1932-1938)
 Donald J. Obee, Professor, Botany (1946-1977)
 Louis A. Peck, Chairperson and Professor, Art (1955-1989)
 Margaret Peek, Associate Dean, College of Arts & Sciences, Professor, English (1967-1987)
 John L. Phillips, Chairperson and Professor, Psychology (1954-1989)
 Camille B. Power, Associate Professor, Spanish (1932-1935, 1946-1951, 1954-1967)
 Elaine C. Rockne, Director and Instructor, Medical Record Science, (1968-1986)
 Hazel M. Roe, Associate Professor, Office Administration (1942-1944, 1947-1969)

Duston R. Scudder, Professor, Marketing (1964-1987)
 Frank Smartt, Assistant Professor, Mathematics (1958-1981)
 Donald D. Smith, Professor, Psychology (1967-1984)
 Lyle H. Smith, Director, Intercollegiate Athletics, Professor, Physical Education (1946-1981)
 Robert Sylvester, Associate Professor, History (1963-1982)
 Albert Tennyson, Instructor, Industrial Communications (1966-1977)
 Carl W. Tipton, Associate Professor, Management (1965-1980)
 James Tompkins, Assistant Professor, Industrial Communications (1963-1985)
 David Torbet, Director, Counseling & Testing Center, Professor, Psychology (1966-1983)
 G. W. Underkofler, Associate Professor, Accounting (1952-1974)
 Eunice Wallace, Associate Professor, English (1968-1978)
 Gerald Wallace, Dean, Professor, College of Education (1968-1978)
 Mont M. Warner, Professor, Geology (1967-1984)
 John E. Warwick, Associate Professor, Communication (1963-1977)
 Allen Weston, Senior Instructor, Drafting Technology (1964-1985)
 Wayne E. White, Professor, Management (1965-1987)
 Peter K. Wilson, Professor, Business Administration (1966-1977)
 Ella Mae Winans, Associate Professor, Mathematics (1958-1983)

Professional Staff

G. M. (Don) Miller, Coordinator, Business & Industry Relations (1969-1985)
 Herbert W. Runner, Director, Institutional Research (1947-1984)

Classified Staff

Edith Benson, Numerical Records Clerk, Housing (1969-1985)
 Evelyn R. Bobo, Admissions Unit Supervisor (1968-1985)
 Leona Brook, Custodian (1971-1989)
 Ruth Ann Caylor, Monographs Assistant, Library (1967-1987)
 Mary Cozine, Secretary-Office Coordinator, Counseling Center (1972-1984)
 Lois Cummins, Library Assistant III (1966-1984)
 Elaine Durbin, Administrative Assistant, College of Health Science (1972-1986)
 Patricia J. Durie, Secretary/Coordinator, Political Science (1970-1988)
 Dorothy Haskins, Clerical Specialist, Curriculum Resource Center, Library (1972-1988)
 Ione Jolly, Library Assistant I (1968-1986)
 Inez Keen, Postal Service Supervisor (1969-1986)
 Margaret McChee, Administrative Secretary, College of Education (1970-1988)
 Gloria Miller, Library Assistant III (1966-1986)
 Granville "Hank" Mouser, Storekeeper, Physical Plant (1970-1987)
 Marge L. Reid, Department Manager, Bookstore (1960-1984)
 Elise Swanson, Secretary-Office Coordinator, Social Work (1972-1986)
 Kathy Tipton, Transfer Credit/Graduation Evaluator (1969-1984)
 Clara W. Wood, Custodian, Physical Plant (1970-1984)

INDEX

- A**
- Absence, Attendance from Class 18
 - Academic Advising Center 37
 - Academic Calendar 3-4
 - Academic Enrichment and Special Programs 28-36
 - Academic Information 17-27
 - Academic Probation and Dismissal Policy 19-20
 - Accounting Courses 94
 - Accounting Degree 93-94
 - Accounting, Department of 93-94
 - Accounting Minor 92, 94
 - Accreditation and Affiliation of Boise State University 6
 - Adding a Course 19
 - Address or Name Changes 19
 - Addresses of University Contacts 2
 - Administration 206
 - Administrative Services Courses 103
 - Administrative Withdrawals 19-20
 - Admission Notification Procedures 10
 - Admission to Teacher Education 115
 - Admission to Upper Division Courses 20
 - Admissions Information 8-11
 - International Students 11
 - Graduate Students 11, 171
 - Special Undergraduate Students 10
 - Transfer of Vocational Technical/Academic Credits 10
 - Transfer Students 8-9
 - Vocational Technical Students 10-11, 149-150
 - Admissions, Graduate 11, 171
 - Adult Basic Education 34
 - Adult Learning Center 150
 - Advanced Placement (AP) Exams 31-32
 - Advanced Placement and Credit 31-33
 - Advising and Registration 18
 - Agricultural Equipment Courses 151
 - Agricultural Equipment Technology Program 151
 - Air Conditioning, Refrigeration, Heating Courses 167
 - Air Conditioning, Refrigeration, Heating Program 167-168
 - Alumni Association 39
 - Anthropology Courses 74
 - Anthropology Program 73-74
 - Anthropology, Department of 73-74
 - Apartments, University 16
 - Appeal, Right of 19
 - Application for Graduation 23
 - Apprenticeship Programs 150
 - Architecture-See Pre-Architecture 45
 - Area I—Arts and Humanities 22
 - Area II—Social Sciences 22
 - Area III—Natural Science-Mathematics 22
 - Army ROTC 34, 82-83
 - Art Courses 45-47
 - Art, Department of 41-47
 - Art Graduate Courses 180-181
 - Art, Master's Degree 180-181
 - Art Minor 41, 43
 - Associate of Applied Science Degree 26, 150
 - Associate of Arts Degree 26
 - Associate of Science Degree Nursing Program 132-133
 - Athletics 39
 - Attendance and Absence from Class 18
 - Audit vs. Credit Registration 18
 - Audit/Credit Changes 19
 - Auto Body Courses 151-152
 - Auto Body Program 151
 - Auto Mechanics Courses 152
 - Automotive Mechanics Program 152
 - Automated Industrial Technician 152
 - Aviation Management Courses 101
- B**
- Baccalaureate Degree Programs
 - Accounting 93-94
 - Advertising Design 42-43
 - Anthropology 73
 - Anthropology-Social Science, Secondary Education 73
 - Art 41-42
 - Art, Secondary Education 42
 - Bachelor of Applied Science Degree 25-26, 148
 - Bachelor of Interdisciplinary Studies 25, 29
 - Biology 47-48
 - Biology, Secondary Education 48
 - Chemistry 50
 - Chemistry, Secondary Education 50
 - Communication 75
 - Communication - English Combined Major 75-76
 - Communication, Secondary Education 75
 - Computer Information Systems 95
 - Construction Management 145-146
 - Criminal Justice Administration 78
 - Earth Science Education 56
 - Economics 97-99
 - Economics-Social Science, Secondary Education 98
 - Elementary Education 116
 - Elementary Education Bilingual/Multicultural 117-118
 - English 52-53
 - Environmental Health 128-129
 - Finance 102
 - General Business Management 100
 - Geology 56
 - Geophysics 56-57
 - Health Science Studies 129
 - History 79-80
 - History, Secondary Education 80
 - History-Social Science, Secondary Education 80
 - Management, Entrepreneurial 100
 - Management, Human Resource Management 100-101
 - Management, Transportation 101
 - Marketing 103
 - Mathematics Program 59-60
 - Mathematics, Computer Science Emphasis 60
 - Mathematics, Secondary Education 60
 - Medical Technology 137
 - Multi-Ethnic Studies 89
 - Music 63-65
 - Nursing Program 133-134
 - Philosophy 86
 - Physical Education, Non-Teaching 107-108
 - Physical Education, Secondary Education 107
 - Physics 68
 - Physics, Secondary Education 68
 - Political Science 84
 - Political Science-Social Science, Secondary Education 84
 - Pre-Dentistry - Biology Option 136
 - Pre-Dentistry - Chemistry Option 136
 - Pre-Medicine - Biology Option 136
 - Pre-Medicine - Chemistry Option 136
 - Pre-Veterinary Medicine 137
 - Production & Operations Management 95
 - Psychology 113
 - Psychology, SS, Secondary Education 113
 - Radiologic Technology 140
 - Respiratory Therapy 142
 - Social Science 88
 - Social Work 87
 - Sociology 88
 - Theatre Arts 70
 - Theatre Arts, Secondary Education 70
 - Baccalaureate Degree Requirements 23-26
 - Bachelor of Applied Science Degree 25-26, 148
 - Bachelor of Arts Degree 23
 - Bachelor of Business Administration Degree 24
 - Bachelor of Fine Arts Degree 24-25
 - Bachelor of Interdisciplinary Studies 25, 29
 - Bachelor of Music Degree 25
 - Bachelor of Science Degree 24
 - Bilingual, Elementary Teacher Training Program 34, 117-118
- C**
- Cable Public Access Channel 35
 - Calendar, Academic 3-4
 - Campus In Spain 33
 - Canadian Studies Courses 30
 - Canadian Studies Minor 30
 - Candidacy, Masters 173
 - Canyon County Center 33
 - Career Planning and Placement 38
 - Catalog Contents, Policy Statement Concerning Inside front cover
 - Center for Data Processing 35
 - Certificate of Completion, Vocational Technical Programs 150
 - Certification Endorsements for minor teaching areas 120-122
 - Certification Requirements and Endorsements for Secondary Education 119-120
 - Certification Requirements for Elementary Education 119
 - Challenges 33, 173
 - Changes in Registration 18-19
 - Charges, Board and Room 15-16
 - Chemistry Courses 51-52
 - Chemistry, Department of 50-52
 - Chemistry Graduate Courses 182-183
 - Chemistry Minor 41, 50
 - Child Care Courses 155
 - Child Care Program 155
 - Child Care Service 38
 - Class Standing of Students 17
 - Classification of Students 17
 - CLEP Exams 31
 - College Admission Core 9
 - College Assistance Migrant Program 34
 - College of Business Graduate Program 174-175
 - Colleges and Schools 40, 72, 91, 105, 127, 144, 145, 149, 171
 - Arts and Sciences 40
 - Business 91
 - Education 105
 - Graduate 171
 - Health Science 127
 - Technology 144
 - School of Applied Technology 145
 - School of Social Sciences and Public Affairs 72

Index

- School of Vocational Technical Education 149
 Communication Courses 76-77
 Communication, Department of 74-77
 Community and Environmental Health, Department of 128-131
 Complete Withdrawal from the University 19
 Computation of the Grade Point Average 18
 Computer Capabilities 7
 Computer Information Systems Courses 95-96
 Computer Information Systems Degree 95
 Computer Science Courses, Math Department 61
 Construction Management Courses 147
 Construction Management Program 145-146
 Construction Management & Pre-Engineering Department of 145-148
 Construction Management Minor 146
 Consultation Services, Faculty & Staff 34
 Contacts, Telephone Numbers and Addresses 2
 Continuing Education 33
 Cooperative Education 36
 Core, General University Requirements 21-22
 Correspondence, Extension and Religion Courses 23
 Correspondence Study in Idaho 33
 Counseling and Testing Center 37-38, 105
 Course Adds 19
 Course Descriptions
 Accounting 94
 Administrative Services 103
 Agricultural Equipment 151
 Air Conditioning 168
 Anthropology 74
 Art Courses 45-47
 Art, Graduate 180-181
 Auto Body 151-152
 Auto Mechanics 152
 Aviation Management 101
 Biology 49
 Biology, Graduate 192
 Botany Courses 49
 Business & Office Education 153-154
 Business Machine Technology 154
 Canadian Studies 30
 Chemistry 51-52
 Chemistry, Graduate 182-183
 Child Care 155
 Communication 76-77
 Computer Information Systems 95-96
 Computer Science, Math Department 61
 Construction Management 147
 Criminal Justice Administration 78-79
 Criminal Justice Administration, Graduate 191
 Culinary Arts 156-157
 Dental Assisting 157
 Diesel 163
 Drafting Technology 158
 Economics 99
 Electrical Lineworker 158
 Electronics Technology 160-161
 Electronics Service Technology 159
 Engineering, Pre 147-148
 English 53-55
 English, Graduate 183
 Environmental Health 130
 Finance 103-104
 Fire Service Technology 161-162
 Fitness Activity 111-112
 Foreign Language 82, 122-124
 Forestry Courses 49
 French 122
 General Business 101-102
 General Science 59
 General Science, Graduate 181-182
 Geography 57-58
 Geology 58-59
 Geology, Graduate 181
 Geophysics 59
 Geophysics, Graduate 187
 German 122-123
 Greek 82
 Health Science 130-131
 Heating 168
 Heavy Duty Mechanics 163
 History 80-82
 History, Graduate 188
 Honors 29
 Horticulture 164
 Humanities 55
 Independent Study 30-31
 Industrial Mechanics 164
 Interdisciplinary Studies in the Humanities 29
 Latin 82
 Library Science 123
 Linguistics 55
 Machine Shop 165
 Management 102
 Marketing 104
 Marketing: Mid-Management 104
 Mathematics 61-62
 Mathematics, Graduate 182
 MBA Elective 175
 MBA Required 174-175
 Medical Records Courses 132
 Medical Technology 138
 Military Science Courses 83
 Music Applied 65-66
 Music, Ensemble 66
 Music, General 66-68
 Music, Graduate 184-185
 Nursing Courses 133-135
 Office Occupations 153-154
 Philosophy 86
 Physical Education 109-111
 Physical Education, Graduate 185-186
 Physical Science 69
 Physics 69
 Political Science 85
 Political Science, Graduate 190-191
 Practical Nursing 167
 Pre-Engineering 147
 Production & Operations Management 96
 Professional Truck Driving 167
 Psychology 114-115
 Psychology, Graduate 179
 Public Affairs 190-191
 Radiologic Technology 140-141
 Real Estate 104
 Refrigeration 168
 Respiratory Therapy 143
 Respiratory Therapy Technician 168
 Russian 123
 Small Engine Repair 169
 Social Science 90
 Social Work 87
 Sociology 89-90
 Sociology, Graduate 191
 Spanish 123-124
 Student Government 30
 Surgical Technology 169
 Teacher Education 124-126
 Teacher Education, Graduate 179-180
 Theatre Arts 71
 Truck Driving 167
 Water/Wastewater Technology 169-170
 Welding & Metal Fabrications Courses 170
 Zoology Courses 49-50
 Course Drops 19
 Course Numbering System 20
 Course Numbering System, Graduate 173
 Course Numbers, University-Wide 21
 Course Prerequisite Waivers 20
 Credit vs. Audit Registration 18
 Credit/Audit Changes 19
 Criminal Justice Administration Courses 78-79
 Criminal Justice Administration Courses, Graduate 191
 Criminal Justice Administration Program, AS 78
 Criminal Justice Administration Program, BA/BS 78
 Criminal Justice Administration, Department of 78-79
 Culinary Arts Courses 156-157
 Culinary Arts Program 156
 Cultural Opportunities 39
 Curriculum and Instruction, Master's Degree 177
- D**
 Data Center 35
 Day Care Assistant/Supervisor 155
 Dean's List 18
 Degree Codes 27
 Degree Programs
 Baccalaureate Degree Requirements 21
 Bachelor of Applied Science 25-26, 148
 Bachelor of Arts 23
 Bachelor of Business Administration 24
 Bachelor of Fine Arts 24-25
 Bachelor of Interdisciplinary Studies 25, 29
 Bachelor of Music 25
- Bachelor of Science 24
 General University Requirements (Core) 21-22
 Degree Requirements, General University (Core) 21-26
 Dental Assisting Courses 157
 Dental Assistant Program 157
 Department Listings
 Accounting 93-94
 Agricultural Equipment Technology 151
 Anthropology 73-74
 Art 41-47
 Auto Body 151
 Auto Mechanics 152
 Biology Department 47-50
 Business and Office Education 151-154
 Business Machine Technology 154
 Chemistry 50-52
 Child Care 154-155
 Communication 74-77
 Community and Environmental Health 128-131
 Computer Information Systems & Production Management 94-96
 Construction Management & Pre-Engineering 145-148
 Criminal Justice Administration 78-79
 Culinary Arts 155-157
 Dental Assistant 157
 Diesel 162-163
 Drafting Technology 157-158
 Economics 96-99
 Electrical Lineworker 158
 Electronics Service Technology 158-159
 Electronics Semi-Conductor Technology 160
 Electronics Technology 159-160
 Engineering, Construction Management & Pre- 145-148
 English 52-55
 Finance 102-104
 Fire Service Technology 161-162
 General Business Management, Management 99-102
 Geology, Geophysics 55-59
 Geophysics, Geology 55-59
 Health, Physical Education and Recreation 106-112
 Heavy Duty Mechanics - Diesel 162-163
 History 79-82
 Horticulture Service Technician 163-164
 Industrial Environmental Technician 164
 Industrial Mechanics/Automation 164
 Machine Shop 165
 Management 99-102
 Manufacturing Technology 165-166
 Marketing, Finance 102-104
 Mathematics 59-62
 Medical Record Science 131-132
 Military Science 82-83
 Music 62-68

- Nursing 132-135
 Philosophy and Political Science 83-86
 Physical Education 106-112
 Physics 68-69
 Political Science and Philosophy 83-86
 Practical Nursing 167
 Pre-Engineering, Construction Management & 145-148
 Preprofessional Studies 135-138
 Production Management, Computer Information Systems & 94-96
 Professional Truck Driving 167
 Psychology 112-115
 Radiologic Sciences 139-141
 Recreation, Health and Physical Education 106-112
 Refrigeration, Heating & Air Conditioning 167-168
 Respiratory Therapy 141-143
 Respiratory Therapy Technician 168
 Small Engine Repair 169
 Social Work 86-87
 Sociology 88-90
 Surgical Technology 169
 Teacher Education 115-126
 Theatre Arts 69-71
 Water/Wastewater Technology 169-170
 Welding & Metal Fabrications 170
 Diploma, Vocational Technical Programs 150
 Disabled Student Program 38
 Dismissal and Academic Probation Policy 19-20
 Dismissal, Withdrawal and Probation Policies 19-20
 Double Major 23
 Drafting Technology Courses 158
 Drafting Technology Program 157-158
 Dropping a Course 19
- E**
 Early Childhood, Master's Program 177
 Earth Science, Master's Program 181
 Economics Courses 99
 Economics, Department of 96-99
 Economics Minor 93, 98-99
 Education, Department of Teacher 115-126
 Special Education 118
 Education, Graduate Programs 176-183
 Educational Media Services 35
 Educational Placement 116
 Educational Talent Search 34
 Electrical Lineworker Courses 158
 Electrical Lineworker Program 158
 Electronics Service Technology Courses 159
 Electronics Service Technology Program 158-159
 Electronics Technology Courses 160-161
- Electronics Technology Program 159-161
 Elementary Bilingual Teacher Training Program 35
 Elementary Education Bilingual/Multicultural 117-118
 Elementary Education, Certification Requirements for 119
 Emeriti 200
 Engineering, Pre- Courses 147-148
 Engineering, Pre- Program 146-147
 Engineering, Pre-, Construction Management, Department of 145-148
 English Courses 53-55
 English, Department of 52-55
 English, Graduate Courses 183
 English, Master's Program 183
 English Minor 41, 53
 English Minor for Theatre Arts 71
 Enrollment Verification 17-18
 Environmental Health Courses 130
 Environmental Health, Department of Community and 128-131
 Evaluation of Military Experience 32-33
 Evaluation of Transfer Credits 9
 Exercise & Sport Science, Master's 185-186
 Extension, Correspondence and Religion Courses 23
- F**
 Facilities of the campus 6-7
 Facilities Utilization 35
 Faculty Initiated Withdrawal 19
 Faculty List 193
 Fees and Tuition 11-13
 Fees, Board and Room 15-16
 Fees, Other 12
 Fees, Special Workshops 12
 Fifth Year, Masters in Education 178
 Final Examination Requirements, Masters 173
 Finance Courses 103-104
 Finance Degree 102
 Finance, Department of Marketing & 102-104
 Financial Aid 13-15
 Financial Aid for Foreign Students 15
 Financial Aid Programs 13-14
 Non-Resident Waivers 13
 Pell Grants 13
 Perkins National Direct Student Loan 13
 Scholarships 13-14
 SEOG, SSIG 13
 Short Term Loans 14
 Stafford Guaranteed Student Loan 14
 Student Employment 13
 Work Study (CWSP) 13
 Financial Aid Progression Rate 14
 Financial Aid Time Limits 15
 Fire Service Technology Courses 161-162
 Fire Service Technology Program 161
- Fitness Activity Courses 111-112
 Foreign Language Challenge Exam 34
 Foreign Language Courses 82, 122-123
 Foreign Language Requirements, Masters 173
 Foreign Language Student Services 34
 Foreign Language Laboratory 34
 Foreign Language Placement Exam 34
 Foreign Student Financial Aid 15
 Fraternities 16
 French Courses 122
- G**
 GED Preparation 150
 GED Training 34, 150
 General Business Courses 101-102
 General Business Management Program 100
 General Course Information 20-21
 General Information 5-7
 General Science Courses 59
 General Science Graduate Courses 181-182
 General University Requirements (Core) 21-22
 Geography Courses 57-58
 Geology Courses 58-59
 Geology/Geophysics, Department of 55-59
 Geology Graduate Courses 181
 Geology, Graduate Program 186
 Geophysics Courses 59
 Geophysics, Department of Geology/ 55-59
 Geophysics, Masters program 186-187
 Geophysics, Masters courses 187
 Gerontology, Minor 30
 German Courses 122-123
 Grading System 18
 Graduate 500-level Courses, Undergraduate Enrollment in 20, 172
 Graduate Classifications 172
 Graduate College 171-192
 Graduate Courses for Undergraduate Credit 20, 172
 Graduate Credit for Seniors 172
 Graduate Credit Requirements 173
 Graduate Degree Application for Graduation, 174
 Graduate Faculty 172
 Graduate Programs 171
 Graduate Programs, College of Education 114, 176-183
 Graduate Repeat, Retakes 172
 Graduate Scholarship Requirements 172
 Graduate Studies in Bilingual Education Scholarships 34
 Graduation, Honors 23
 Graduation Requirements 21-27
 Graduation, Application for 23
 Graduation, Masters, Application for 174
 Greek Courses 82
- H**
 Health Science Courses 130-131
 Health, PE & Recreation Department. 106-112
 Heavy Duty Mechanics—Diesel Courses 163
 Heavy Duty Mechanics—Diesel Program 163
 High School Equivalency Program (HEP) 34
 History of Boise State University 5-6
 History Courses 80-82
 History Degree Program 79-80
 History, Department of 79-82
 History Graduate Courses 188
 History, Master's Program 187-188
 Honors Courses 29
 Honors, Graduation 23
 Honors Program 28-29
 Honors Program Scholarships 29
 Horticulture Courses 163-164
 Horticulture Program 163
 Housing, Off Campus 16
 Housing, Student 15-16
 Humanities Courses 55
- I**
 Idaho Business Development Center 35
 Incomplete Grades 18
 Independent Study 30-31
 Industrial Environmental Technician Program 164
 Industrial Mechanics Courses 164
 Industrial Mechanics Program 164
 Instructional Technology, Masters 178
 Instructional Television Fixed Service 35
 Instructional Television for Students 35
 Insurance Coverage 12, 38
 Interdisciplinary Studies in Aging 30
 Interdisciplinary Studies in the Humanities 29-30
 Interdisciplinary Studies in the Humanities Courses 29-30
 International Students 38
 Internships/Cooperative Education 35-36
 ITFS (Instructional Television Fixed Service) 35
- K**
 KAID 35
 KBSU 35
- L**
 Late Registration 19
 Latin Courses 82
 Library 7
 Library Science Courses 123
 Linguistics Courses 55
- M**
 Machine Shop Courses 165
 Machine Shop Program 165
 Majors and Degrees Offered 27
 Management Courses 102

Index

- Management, Department of 99-102
Management, Entrepreneurial Program 100
Management, Human Resource Management Program 100-101
Management, Transportation Program 101
Manufacturing Technology Courses 166
Manufacturing Technology Program 165
Marching Band 35
Marketing - Finance, Department of 102-104
Marketing Courses 104
Marketing Program 103
Marketing-Mid-Management Courses 104
Marketing-Mid-Management Program 103, 166
Master's Degree in Education (MA/MS)
Art Emphasis 180-181
Curriculum and Instruction 177
Early Childhood 177
Earth Science Emphasis 181
Instructional Technology 178
Mathematics Emphasis 182
Reading 177
Special Education 177-178
Master's Degree Programs
Admissions, Graduate 11, 171
Candidacy 173
Challenges 173
Course Load Limits 174
Course Numbering System 20, 173
Degrees Offered 171
English 183
Exercise & Sports Studies 185
Final Examination Requirements 173
Fifth Year, Planned 178
Foreign Language Requirements 173
Geology 186
Geophysics 186-187
Graduate Classifications 172
Graduate Courses for Undergraduate Credit 20, 172
Graduate Credit for Seniors 172
Graduate Credit Requirements 173
Graduate Degree Application for Graduation, 174
Graduate Faculty 172
Graduate Repeat, Retakes 172
Graduate Scholarship Requirements 172
History 187-188
Interdisciplinary Studies 188-189
Planned Fifth Year-Education 178
Predictive Examinations 173
Program Development Form 173
Public Affairs 189-191
Raptor Biology 191-192
Residence Requirements, Masters 173
Second Master's Degree-Education 178
Supervisory Committee Assignment 172
Thesis Requirements 173
Time Limitations 173
Transfer of Credits 173
Mathematics Courses 61-62
Mathematics, Department of 59-62
Mathematics Graduate Courses 182
Mathematics, Master's Program 182
Mathematics Minor 41, 60
Mathematics, Secondary Education Program 60
MBA Elective Courses 175
MBA Required Courses 174-175
Medical Expense Insurance 12, 38
Medical Records Courses 132
Medical Record Science Program 131-132
Medical Record Science, Department of 131-132
Medical Technology Courses 138
Medical Technology Program 137-138
MHAFB Program 33
Military Experience Evaluation 32-33
Military Science Courses 83
Military Science, Department of 82-83
Minor Teaching Certification Endorsements 120-122
Minors 26, 27
Accounting 92, 94
Anthropology 72, 74
Art 41, 43
Biology 41, 47
Business 92-93
Canadian Studies 30
Chemistry 41, 50
Construction Management 146
Economics 93, 98-99
English 41, 53
Interdisciplinary Studies in Aging 30
Mathematics 41, 60
Multi-Ethnic Studies 73, 89
Music 41, 64
Philosophy 41, 86
Physics 41, 68
Political Science 73, 84-85
Psychology 113
Theatre Arts 41, 70
Multi-Ethnic Studies 89
Multicultural Board 38
Music Applied, Courses 65-66
Music Graduate Courses 184-185
Music Program 62-65
Music, Department of 62-68
Music, Ensemble, Courses 66
Music, General Courses 66-68
Music, Master's Program 184-185
Music Minor 41, 64
N
Name or Address Changes 19
National Student Exchange 33
New Student Orientation 37
Non-Baccalaureate Degree Programs
Agricultural Equipment Technology 151
Air Conditioning, Refrigeration, Heating 167-168
Apprenticeship Programs 150
Associate of Applied Science Degree 26, 150
Associate of Arts 26
Associate of Science Degree Nursing 132-133
Auto Body 151-152
Auto Mechanics 152
Automated Industrial Technician 152
Business and Office Education 152-154
Business Machine Technology 154
Certificate of Completion, Vocational Technical Programs 150
Child Service/Management 154-155
Criminal Justice Administration 78
Culinary Arts Program 155-157
Day Care Assistant/Supervisor 154-155
Dental Assistant 157
Diploma, Vocational Technical Programs 150
Drafting Technology 157-158
Electrical Lineworker 158
Electronics Service Technology 158-159
Electronics Technology 159-161
Engineering, Pre- 146-147
English Minor for Theatre Arts 71
Fire Service Technology 161-162
Heavy Duty Mechanics—Diesel 162-163
Horticulture Service Technician 163-164
Industrial Environmental Technician 164
Industrial Mechanics/Automation 164
Job Upgrading Programs 150
Machine Shop 165
Manufacturing Technology 165-166
Marketing: Mid-Management 103, 166
Medical Record Science 131-132
Nursing, Associate of Science Degree 132-133
Office Occupations 152-154
Practical Nursing 166-167
Pre-Architectural 45
Pre-Dental Hygiene 138
Pre-Dietetics 130
Pre-Engineering 146-147
Pre-Forestry & Wildlife Management 48-49
Pre-Occupational Therapy 138
Pre-Optometry 138
Pre-Pharmacy 138-139
Pre-Physical Therapy 139
Pre-Technical Instruction 150
Professional Truck Driving 167
Radiologic Technology 139-140
Respiratory Therapy 141-142
Respiratory Therapy Technician 168
Semiconductor Technology 160
Small Engine Repair 169
Surgical Technology 169
Truck Driving 167
Trade Extension Programs 150
Water/Wastewater Technology 169-170
Welding & Metals Fabrication 170
Wildlife Management & Pre-forestry 48-49
Nursing Courses 133-135
Nursing, Department of 132-135
O
Office Occupations Courses 153-154
P
PEP Exams 32
Petitions 18
Petitions for Foreign Language Credit 34
Philosophy Courses 86
Philosophy Program 85-86
Philosophy Minor 41, 86
Philosophy, Department of Political Science and 83-86
Physical Education Courses 109-111
Physical Education Department 106-112
Physical Education Graduate Courses 185-186
Physical Education, Non-Teaching Program 107-108
Physical Education, Secondary Education Program 107
Physical Science Courses 69
Physics, Department of 68-69
Physics Minor, 41, 68
Physics Program 68-69
Placement, Educational 116
Planned Fifth Year, Masters-Education 178
Planning, Placement, Career Assistance 38
Policy Statement Concerning Catalog Contents Inside front cover
Political Science and Philosophy, Department of 83-85
Political Science Courses 85
Political Science Program 84
Political Science Courses, Masters 188-189
Political Science Minor 73, 84-85
Practical Nursing Courses 167
Practical Nursing Program 166-167
Pre-Dental Hygiene 138
Pre-Dentistry - Biology Option 136
Pre-Dentistry - Chemistry Option 136
Pre-Engineering 146-147
Pre-Law Curriculum 26

- Pre-Medicine - Biology Option 136
 Pre-Medicine - Chemistry Option 136
 Pre-Occupational Therapy 138
 Pre-Optometry 138
 Pre-Pharmacy 138-139
 Pre-Physical Therapy 139
 Pre-Technical Instruction 150
 Pre-Veterinary Medicine 137
 Predictive Examinations, Masters 173
 Preprofessional Studies, Department of 135-139
 Probation and Dismissal, Academic Policy 19-20
 Probation, Dismissal and Withdrawal Policies 19-20
 Production & Operations Management Courses 96
 Production & Operations Management, Department of Computer Information Systems & 94-96
 Professional Truck Driving Courses 167
 Professional Truck Driving Program 167
 Program Development Form, Masters 173
 Progression Rate for Financial Aid 14
 Psychology Courses 114-115
 Psychology, Department of 112-115
 Psychology Graduate Courses 179
 Psychology Minor 113
 Psychology Program 113
 Psychology-Social Science, Secondary Education 113
 Public Affairs, Graduate Courses 190-191
 Public Affairs, Graduate Program 189-191
 Public Affairs and Enrichment Programs 35
 Public Affairs, School of Social Sciences and 72-90
 Public Television 35
- R**
 R.O.T.C. 34, 82-83
 Radiologic Sciences, Department of 139-141
 Radiologic Technology Courses 140-141
 Radiologic Technology Program 140
 Raptor Biology, Masters 191-192
 Reading & Study Skills 37
 Reading Education Center 116
 Reading, Master's Program 177
 Real Estate Courses 104
 Recreation 39
 Recreation, Department of Health, Physical Education and 106-112
 Refrigeration, Heating and Air Conditioning Courses 168
 Refrigeration, Heating and Air Conditioning Program 167-168
 Refund Policy 12-13
 Registration and Advising 18
- Registration and Student Status Changes 18-20
 Registration Changes 18-19
 Religion Courses, Extension and Correspondence 23
 Religious Interest Courses 30
 Repeat of a Course 18
 Requirements for Graduation 22-27
 Requirements, Baccalaureate Degrees 22-27
 Reserve Officer's Training Corps—Army 34, 82-83
 Residency Requirements for Graduation 23
 Residence Requirements, Masters 173
 Respiratory Therapy Baccalaureate Program 142
 Respiratory Therapy Courses 143
 Respiratory Therapy Non-Baccalaureate Program 142
 Respiratory Therapy, Department of 141-143
 Respiratory Therapy Technician Certificate Program 168
 Respiratory Therapy Technician Courses 168
 Right of Appeal 19
 Rights & Responsibilities, Students 37
 ROTC (Army) 34, 82-83
 Russian Courses 123
- S**
 Scholarships, Honors Program 29
 Scholarships, ROTC 83
 School of Applied Technology 145
 School of Social Sciences & Public Affairs 72-90
 School of Vocational Technical Education 149-170
 Second Baccalaureate Degree 23
 Second Master's Degree-Education 178
 Secondary Education, Certification Requirements and Endorsements 119-122
 Secondary Student Teaching 119-120
 Semiconductor Technology Program 160
 Services for Students, Educational 116
 Small Engine Repair Courses 169
 Small Engine Repair Program 169
 Social Science Courses 90
 Social Science Program 88
 Social Sciences and Public Affairs, School of 72-90
 Social Work Courses 87
 Social Work Program 87
 Social Work, Department of 86-87
 Sociology Courses 89-90
 Sociology Courses, Masters 191
 Sociology Program 88
 Sociology-Social Science, Secondary Education 88
 Sociology, Department of 88-90
 Sororities 16
 Spanish Courses 123-124
 Speaker's Bureau 35
- Special Education, Master's Program 177-178
 Special Programs, Academic Enrichment and 28-36
 Special Workshop Fees 12
 Student Address or Name Changes 19
 Student Government 38
 Student Government Courses 30
 Student Health Service 38
 Student Housing 15-16
 Student Organizations & Activities 38-39
 Student Rights & Responsibilities 37
 Student Records 17
 Student Services 37-39
 Student Status Changes and Registration 18-19
 Student Support Program 34
 Student Teaching, Admission to 115-116
 Student Teaching, Secondary 119-122
 Students, Classification of 17
 Studies Abroad Programs 33
 Summer Session Program 33
 Supervisory Committee Assignment, Masters 172-173
 Surgical Technology Courses 169
 Surgical Technology Program 169
- T**
 Teacher Education Courses 124-126
 Teacher Education Graduate Courses 179-180
 Teacher Education, Admission to 115-116
 Teacher Education, Department of 115-126
 Telecommunications 35
 Telephone Numbers for University Contacts 2
 Televised Courses 33
 Theatre Arts Courses 71
 Theatre Arts Program 70-71
 Theatre Arts, Department of 69-71
 Theatre Arts, English Minor for 71
 Thesis Requirements, Masters 173
 Time Limitations, Masters 173
 Time Limits for Financial Aid 15
 Trade Extension Programs 150
 Transfer of Credits, Masters 173
 Truck Driving, Professional 167
 Tuition and Fees 11-13
 Tutorial Assistance 37
- U**
 Undergraduate Enrollment in 500-level Courses 20, 172
 University Apartments 16
 University-Wide Course Numbers 21
 University/Community Health Sciences Association, Inc. 127-128
 University Contacts 2
 Upper Division Courses, Admission to 20
- Upward Bound Program 34
 Use of Facilities 35
- V**
 Verification, Enrollment 17-18
 Veterans Services 38
 Visiting Scientist Program, The 35
 Vocational Technical Education, School of 149-170
- W**
 Waivers, Course Prerequisite 20
 Water/Wastewater Technology Courses 169-170
 Water/Wastewater Technology Program 169
 Welding & Metals Fabrication Courses 170
 Welding & Metals Fabrication Program 170
 Western Undergraduate Exchange 34
 Withdrawal from the University, Complete 19
 Withdrawal, Faculty Initiated 19
 Withdrawal, Probation and Dismissal Policies 19-20
 Withdrawals, Administrative 19-20
 Women In The Curriculum 36

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