BSU 94/95 CATALOG

Boise State University

Message from the President

On behalf of the students, faculty and staff, I welcome you to Boise State University. We are pleased to provide this catalog as you prepare for the 1994-1995 academic year.

Within these pages you will find information about admission, registration, fees, graduation requirements and many other topics essential to your enrollment as a student. But equally important, our catalog is designed to give you a sense of the university — its people and its potential effect on your life.

While this catalog may have a 1994-1995 date on its cover, in reality it has evolved from more than six decades of effort by literally thousands of faculty who have carefully developed the courses and programs we now offer. The result of this evolution is a curriculum that will prepare you for the social, economic and technological challenges that you will encounter as we enter the next century.

We hope your questions about Boise State University can be answered by the information contained in this catalog. If not, please feel free to call on our faculty and staff to answer your questions personally.

Best wishes for success in the future.

Charles P. Ruch
President

Degree Codes

Code	Description
A.A.	Associate of Arts
A.A.S.	Associate of Applied Science
A.S.	Associate of Science
B.A.	Bachelor of Arts
B.A.S.	Bachelor of Applied Science
B.B.A.	Bachelor of Business Administration
B.F.A.	Bachelor of Fine Arts
B.I.S.	Bachelor of Interdisciplinary Studies
B.M.	Bachelor of Music
B.S.	Bachelor of Science
END	Teacher Education Endorsement
P.V.C.	Postsecondary Vocational Certificate (Applied Tech)
T.C.	Technical Certificate (Applied Tech)
TE	Teacher Certification

Major Names and Degree Abbreviations

(—) No degree awarded
(*Off-campus locations only)

Minors Offered

The academic programs at Boise State University are divided among seven colleges, each with a dean responsible for all faculty, staff, students and programs. Colleges are divided into departments administered by a department chair. Each department may offer several programs of study leading to specific degrees, certificates, options or minors requiring specific groups of courses for completion.

This catalog describes Boise State University's student policies and services. It also lists requirements for each program of study, as well as all regular undergraduate degrees offered by Boise State University. The Graduate Catalog describes policies that pertain to graduate students and their programs, as well as the requirements for graduate degrees. If you are a graduate student, you should refer to the Graduate Catalog.

This catalog is organized into four major sections for your convenience in locating information. These sections are:

Catalog Section:	Includes:
1. University Policies and Services	Procedures for admission, financial matters, housing, student services and general information.
2. Colleges and Interdisciplinary Programs	A complete listing of all the BSU colleges and programs, including their philosophies, objectives, programs and special activities.
3. Academic Departments and Course Offerings	An alphabetical listing of all departments and programs of instruction, giving full information about their courses and academic requirements.
4. Applied Technology Programs	An alphabetical listing of all applied technology departments and programs of instruction, giving full information about their courses and academic requirements.

Additional and more detailed information to assist you may be found in the following publications:

The BSU Student Handbook, which contains:
- An office directory and important academic dates calendar
- A complete listing and description of services for students
- Information about opportunities for campus involvement
- A description of university student policies and procedures

The BSU Directory of Classes, which contains:
- A listing of specific courses offered for the current semester
- A detailed academic calendar and final examination schedule
- Information about fee schedules, refund policies and enrollment
- Instructions relating to academic advising, placement testing, core requirements, registration procedures and academic regulations.
- Information about internships/cooperative education, College of Technology "Outreach Programs," continuing education schedules, instructional television courses and international programs/studies abroad at BSU

You may also want to refer to the "Glossary" at the back of this catalog for definitions of any special terms used here and in other BSU publications.

Course Numbering System

The following course numbers are used throughout this catalog:

000-099	Noncredit courses. These courses do not apply toward degree programs.
100-199	Freshman level courses
200-299	Sophomore level courses
300-499	Upper division level courses
500-above	Graduate level courses

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

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

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

Immediately following the course title, the weekly hours of lecture, nonlecture or other information (e.g., laboratory, studio), 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, four hours of laboratory and five credits.
(0-4-0)	Indicates a laboratory without credit.
(0-2-1)	Indicates a two-hour studio art or fitness activity class for one credit.

If the course appears (e.g., (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 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 chair or his/her representative.

Reading a Course Description

The elements of a typical course description found under the *Academic Departments and Course Offerings* heading in this catalog are illustrated by the example to the right:

Under each department listed, you will find course offerings and other information such as:

- Specific degrees offered
- Department statements
- Degree requirements
- Recommended or suggested programs of study
- Special information for students who take courses in the departments

University-Wide Course Numbers

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

097, 197, 297, 397, 497 SPECIAL TOPICS (0-4 credits) Courses of instruction involving material of timely, special or unusual interest not contained in the regular course offerings at the university. Courses offered as Special Topics may be offered up to three (3) times without being approved by the University Curriculum Committee. Special Topics numbers (097, 197, 297, 397 and 497) will be described in the *Directory of Classes* published each semester.

NOTE: 197, 297, 397 and 497 courses apply toward total hours required for graduation. Some Honors and Interdisciplinary Humanities courses numbered 197, 297, 397, 497 may be used to satisfy core requirements. These course are indicated in the *Directory of Classes*.

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 chair upon recommendation of the faculty advisor.

239, 439 FOREIGN STUDY (Variable Credits) The foreign study number is available to academic departments that participate in studies-abroad consortia of which Boise State University is a member or that 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 are described in the *Directory of Classes* 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 have a cumulativeGPAof 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. Internship may not be used to complete requirements for a regularly offered course or to improve a grade in a previously taken course. (See "Repeat of a Course" on page 28.)

294, 494 CONFERENCE OR WORKSHOP (0-4 credits) Conferences and workshops are 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) are described in the *Directory of Classes* published each semester.

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 that fulfills 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 upon demand. Student must make application well in advance of this special study experience. May be repeated for a maximum of nine credits; six credits in any one academic year. PREREQ: PERM/INST, PERM/CHAIR and upper division standing. (Independent study may not be repeated to improve grades. See "Repeat of a Course" on page 28.)

498 SEMINAR (1-4 credits)
499 SEMINAR (1-4 credits)

POLICY STATEMENT CONCERNING CATALOG CONTENTS

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

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

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

NOTE:

The courses contained in this catalog do not preclude or limit the university in its offerings for any semester or session nor do they restrict the university to the time block (semester) represented by the approved academic calendar.

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

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E 403 TECHNICAL EDITING (3-0-3)(F)
Explores the fundamentals of editing, enabling students to apply a variety of editing skills to technical materials for specific audiences. Focuses on the role of the editor in organizational settings, basic editorial activities, methods for analyzing, critiquing and revising manuscripts for different audiences, and techniques for successful writer/editor dialogues. Includes techniques for verbally and visually polishing documents for publication and, if needed, a review of mechanical correctness.
▬ PREREQ: E 402 or PERM/INST.

Element	Meaning
● E 403	An English Department course (E) offered at the upper division level (403).
● Technical Editing	Title of course.
■ (3-0-3)	A three-hour lecture class (3) with no lab time (0) that provides three credits (3).
■ (F)	Course is offered fall semester.
"Explores the fundamentals of editing...mechanical correctness."	A brief description of what will be taught in the course.
▬ PREREQ: E 402 or PERM/INST.	E 402 is a prerequisite for this course or if this course has not been taken, the student must obtain permission of the instructor to enroll in the course.

Summer Session 1994

For Registration Information, see summer *Directory of Classes*

April 18, Monday ..... Classes begin for Respiratory Therapy Technician program.
April 29, Friday ..... Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in August or December 1994.
May 2, Monday ..... Last date to mail 1994-95 "Free Application for Federal Student Aid" (FAFSA) for consideration for financial aid for 1994-95.
May 16, Monday ..... Classes begin for Auto Body, Heavy Duty/Diesel Mechanics and Welding/Metal Fabrication programs.
May 23, Monday ..... Classes begin for Practical Nursing programs in both Boise and Nampa.
May 23, Monday ..... Classes begin for MBA program.
June 1, Wednesday ..... Fee payment deadline for summer session.
June 6, Monday ..... Classes begin for 8-week, 10-week and first 5-week sessions (for refund information, refer to summer Directory of Classes).
June 10, Friday ..... Last day to file application for graduation for masters, baccalaureate and two-year or less degrees, diplomas and certificates - Registrar's Office.
July 4, Monday ..... Independence Day Holiday (school closed).
July 8, Friday ..... First 5-week session ends.
July 11, Monday ..... Classes begin for second 5-week session.
July 22, Friday ..... Last day for final oral and project/thesis defense.
July 29, Friday ..... End of 8-week session.
July 29, Friday ..... Last day to submit final signed copies (2) of master's project/thesis to Graduate Dean's Office.
August 12, Friday ..... End of 10-week session and second 5-week session.

Fall Semester 1994

For Registration Information, see fall *Directory of Classes*

February 1, Tuesday ..... Last recommended date to mail the "Free Application for Federal Student Aid" (FAFSA) to be considered for 1994-95 need-based scholarships. (The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid Office by March 1.)
February 1, Tuesday ..... Processing of admission applications for fall semester 1994 begins.
March 1, Tuesday ..... Date by which BSU Scholarship Application must be received in the Financial Aid Office to be considered for 1994-95 merit and need-based scholarships.
March 1, Tuesday ..... Last recommended date to mail the "Free Application for Federal Student Aid" (FAFSA) and supporting documents for best chance of receiving 1994-95 grants, work-study, loans and waivers of non-resident tuition (the FAFSA is processed by a federal agency and must be received by the BSU Financial Aid Office by April 1). Students applying after this date may not have financial aid available in time to assist with fall fee payment.
April 1, Friday ..... Date by which all materials must be received in the Financial Aid Office for best chance of receiving 1994-95 grants, work-study, loans and waivers of non-resident tuition. Students whose application materials are received after this date may not have financial aid available in time to assist with fall fee payment.
April 29, Friday ..... Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in August or December 1994.
June 1, Wednesday ..... Last day to file required documents to complete federal verification process for campus-based financial aid for 1994-95.
July 1, Friday ..... Last day for all foreign student application materials to be received for fall semester consideration.
July 18, Monday ..... Bills will be mailed to students registered for fall semester.
July 27, Wednesday ..... Last day for undergraduate, degree-seeking applicants for fall 1994 to have all admission materials received by the Admissions Office. Students who complete their admission files after this date will be considered for nondegree-seeking (part-time) status only.
July 27, Wednesday ..... Last day for graduate students to submit applications, transcripts and other materials to the Graduate Admissions Office for fall semester. Applications received after this date might not be processed in time to admit students to degree or certificate programs.
August 12, Friday ..... Last day to register or drop/add for fall semester 1994 prior to fee payment deadline.
August 15–22 Mon–Mon ..... No registration or drop/add services during this period.
August 18, Thursday ..... Fee payment deadline for registered students (payment must be received by 5:00 p.m.). Payment not received by deadline will result in course cancellation.
August 19, Friday ..... Cashier's Office and Deferred Fee Office are closed.
August 22–23 Mon–Tues ..... Faculty orientation/meetings.
August 23, Tuesday ..... Drop/add for registered and paid students (7:00 a.m. - 7:00 p.m.).
August 24, Wednesday ..... Registration for fall semester 1994 reopens, drop/add continues.
August 24-26 Wed–Fri ..... Academic advising available.
August 25, Thursday ..... Residence halls open (11:00 a.m.).
August 25–28 Thurs–Sun ..... New Student Orientation program.
August 29, Monday ..... Classes begin.
September 2, Friday ..... Last day to register. Last day to add a class except with consent of instructor.
September 5, Monday ..... Labor Day holiday (school closed).
September 9, 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 12, Monday ..... Last day for refund for dropping a class or withdrawing from the University. Last day to drop a class without a "W" appearing on transcript.
September 12, Monday ..... Last day for student health insurance refund.
September 30, Friday ..... College of Business: last day to petition for upper division admission for spring semester 1995.
October 10, Monday ..... Columbus Day (school in session).
October 14, Friday ..... Notification of incompletes from previous semester. Mid-semester grades submitted to Registrar's Office by noon. Last day to file application with department for final master's written exam.
October 21, Friday ..... Last day to submit names for faculty-initiated withdrawal notifications.
October 24, Monday ..... Second 8-week block begins.
November 3–29 ..... Advising for continuing students for spring semester 1995.
November 4, Friday ..... Last day to make class changes. Last day for complete withdrawal.
November 5, Saturday ..... Final day for written exam for master's degree.
November 7–29 ..... Registration for continuing students for spring semester 1995.
November 11, Friday ..... Veterans Day (school in session).
November 15, Tuesday ..... Last day for all foreign student application materials to be received for spring semester consideration.
November 16, Wednesday ..... Last day for final oral and project/thesis defense.
November 23, Wednesday ..... Last day for undergraduate, degree-seeking applicants for spring 1995 to have all admission materials received by the Admissions Office. Students who complete their admission files after this date will be considered for nondegree-seeking (part-time) status only.
November 23, Wednesday ..... Last day for graduate students to submit applications, transcripts and other materials to the Graduate Admissions Office for spring semester. Applications received after this date may not be processed in time to admit students to degree or certificate program.
November 24–27 Thurs-Sun ..... Thanksgiving Holiday (school closed).
November 28, Monday ..... Classes resume.
November 30–December 9 ..... Advising and registration for new and returning students for spring semester 1995.
December 2, Friday ..... Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in May 1995.
December 9, Friday ..... Classroom instruction ends for Boise Practical Nursing program.
December 9, Friday ..... Last day to submit final signed copies (2) of master's project/thesis to Graduate Dean's Office.
December 13, Tuesday ..... Classroom instruction ends.
December 14, Wednesday ..... Reading/preparation day.
December 15–16, 19–20 ..... Final semester examinations (exam schedule listed in fall semester Directory of Classes).
Thurs–Fri and Mon–Tues
December 21, Wednesday ..... Residence halls close.
December 23, Friday ..... Grade reports due to Registrar (noon).

Spring Semester 1995

For Registration Information, see spring *Directory of Classes*

November 23, Wednesday ..... Last day for undergraduate, degree-seeking applicants for spring 1995 to have all admission materials received by the Admissions Office. Students who complete their admission files after this date will be considered for nondegree-seeking (part-time) status only.

November 23, Wednesday ..... Last day for graduate students to submit applications, transcripts and other materials to the Graduate Admissions Office for spring semester. Applications received after this date might not be processed in time to admit students to degree or certificate programs.

December 2, Friday ..... Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in May 1995.

December 12, Monday ..... Bills will be mailed to students registered for spring semester.

December 16, Friday ..... Last day to register or drop/add for spring semester 1995 prior to fee payment deadline.

December 19-January 6 ..... No registration or drop/add services during this period.

January 5, Thursday ..... Fee payment deadline for registered students (payment must be received by 5:00 p.m.). Payment not received by deadline will result in course cancellation.

January 5, Friday ..... Cashier's Office and Deferred Fee Office are closed.

January 9, Monday ..... Faculty meetings.

January 9, Monday ..... Drop/add for registered and paid students (7:00 a.m. - 7:00 p.m.).

January 9, Monday ..... Classes begin for Respiratory Therapy Technician program.

January 10, Tuesday ..... Registration for spring semester 1995 reopens, drop/add continues.

January 10-13 Tues-Fri ..... Academic advising available.

January 14, Saturday ..... Residence halls open (11:00 a.m.).

January 16, Monday ..... Dr. Martin Luther King, Jr./Idaho Human Rights Day Holiday (school closed).

January 17, Tuesday ..... Classes begin.

January 20, Friday ..... Last day to file application for graduation for master's, baccalaureate and two-year or less degrees, diplomas and certificates - Registrar's Office.

January 23, Monday ..... Last day to register. Last day to add a class except with consent of instructor.

January 30, Monday ..... Last day for refund for dropping a class or withdrawing from the University. Last day to drop a class without a "W" appearing on the transcript.

January 30, Monday ..... Last day for student health insurance refund.

February 1, Wednesday ..... Last recommended date to mail the "Free Application for Federal Student Aid" (FAFSA) to be considered for 1995-96 need-based scholarships. (The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid Office by March 1.)

February 1, Wednesday ..... Processing of admission applications for fall semester 1995 begins.

February 20, Monday ..... Presidents Day Holiday (school closed).

March 1, Wednesday ..... Date by which "BSU Scholarship Application" must be received by the Financial Aid Office to be considered for 1995-96 merit and need-based scholarships.

March 1, Wednesday ..... Last recommended date to mail the "Free Application for Federal Student Aid" (FAFSA) and supporting documents for best chance of receiving 1995-96 grants, work study, loans and waivers of non-resident tuition, (The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid office by April 1.) Students applying after this date may not have financial aid available in time to assist with fall semester fee payment.

March 1, Wednesday ..... College of Business: last day to petition for upper division admission for summer session and fall semester 1995.

March 10, Friday ..... Notification of incompletes from previous semester. Mid-semester grades submitted to Registrar's Office by noon. Last day to file application with department for final master's written exam.

March 10, Friday ..... Last day to submit names for faculty-initiated withdrawal notifications.

March 13, Monday ..... Second 8-week block begins.

March 24, Friday ..... Last day to make class changes. Last day for complete withdrawal.

March 27-April 2 ..... Spring vacation.
Monday-Sunday

April 3, Monday ..... Classes resume.

April 3, Monday ..... Date by which all materials must be received by the Financial Aid Office for best chance of receiving 1995-96 grants, work study, loans and waivers of non-resident tuition. Students whose application materials are received after this date may not have financial aid available in time to assist with fall fee payment.

April 3-28 ..... Advising for continuing students for summer/fall 1995.

April 5-28 ..... Registration for continuing students for summer/fall 1995.

April 8, Saturday ..... Final day for written exam for master's degree.

April 14, Friday ..... Last day for final oral and project/thesis defense.

April 14, Friday ..... Classroom instruction ends for Respiratory Therapy Technician program.

April 28, Friday ..... Last day to submit final signed copies (2) of master's project/thesis to Graduate Dean's Office.

May 1, Monday ..... Last date to mail 1994-95 "Free Application for Federal Student Aid" (FAFSA) for consideration for financial aid for 1994-95 (including summer 1995).

May 5, Friday ..... Classroom instruction ends.

May 8-12 Monday-Friday ..... Final semester examinations (exam schedule listed in spring semester Schedule of Classes).

May 13, Saturday ..... Residence halls close.

May 14, Sunday ..... Commencement — Pavilion (2:00 p.m.).

May 16, Tuesday ..... Grade reports due to Registrar (noon).

Summer Session 1995

For Registration Information, see summer *Directory of Classes*

April 17, Monday ..... Classes begin for Respiratory Therapy Technician program.

April 28, Friday ..... Last day to submit "Admission to Candidacy" form to Graduate Admissions Office for master's degree to be awarded in August or December 1995.

May 1, Monday ..... Last date to mail 1994-95 "Free Application for Federal Student Aid" (FAFSA) for consideration for financial aid for 1994-95 (including summer 1995).

May 10, Wednesday ..... Classes begin for Auto Body, Heavy Duty/Diesel Mechanics and Welding/Metal Fabrication programs.

May 22, Monday ..... Classes begin for MBA program.

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

July 4, Tuesday ..... Independence Day Holiday (school closed).

July 5, Wednesday ..... Classes begin for Respiratory Therapy Technician program (new class).

July 7, Friday ..... First 5-week session ends.

July 7, Friday ..... Classroom instruction ends for Auto Body, Heavy Duty/Diesel Mechanics, Welding/Metal Fabrication and Water/Wastewater programs.

July 10, Monday ..... Classes begin for second 5-week session.

July 21, Friday ..... Classroom instruction ends for Nampa Practical Nursing program.

July 28, Friday ..... End of 8-week session.

July 28, Friday ..... Classroom instruction ends for Boise Practical Nursing program and Respiratory Therapy Technician programs.

July 28, Friday ..... Last day to submit final signed copies (2) of master's project/thesis to Graduate Dean's Office.

August 11, Friday ..... End of 10-week session and second 5 week session.

Contacts

General information: (208) 385-1011
Toll-free in Idaho: (800)-632-6586
Toll-free nationwide: (800)-824-7017
University mailing address: 1910 University Drive, Boise, Idaho 83725
Admissions: Administration Building, Room 101, 1910 University Drive; Telephone (208) 385-1156
Academic Advising Center: Math-Geology Building, Room 105, 2000 University Drive; Telephone (208) 385-3664
College of Business Student Services Center: Business Building, Room B 203; Telephone (208) 385-3859
BSU Bookstore: Student Union Building; Telephone (208) 385-1559
Career Planning and Placement: 2065 University Drive; Telephone (208) 385-1747
Cashier/Business Office: Administration Building, Room 211, 1910 University Drive; Telephone (208) 385-1212/3699
Cashier/Housing: Administration Building, Room 211, 1910 University Drive; Telephone (208) 385-1594
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 141, 2000 University Drive; Telephone (208) 385-3903
New Student Information Center: Northeast Entrance to the Student Union Building (1700 University Drive); Telephone (208) 385-1820
Registrar: Administration Building, Room 102-110, 1910 University Drive; Telephone (208) 385-3486
Student Health Services: 2103 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: Administration Building, Room 114, 1910 University Drive; Telephone (208) 385-1583
College of Technology Student Services: Technical Services Building, Room 114, 1464 University Drive; Telephone (208) 385-1431

Administration

Charles P. Ruch, Ph.D., President of Boise State University
Daryl E. Jones, Ph.D.,Interim-executive Vice President
Asa M. Ruyle, Ed.D.,Vice President for Finance and Administration
David S. Taylor, Ph.D,.Vice President for Student Affairs

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President:
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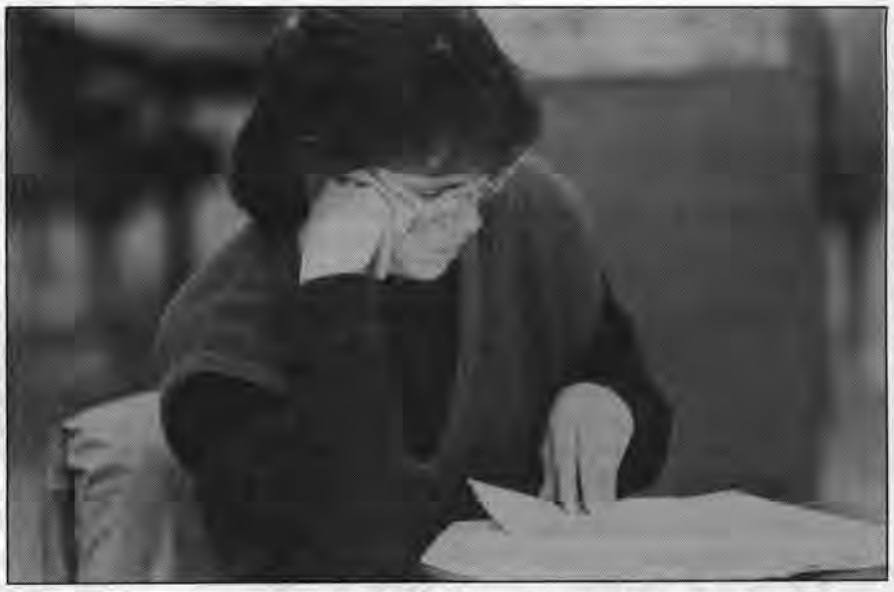


The University

The university exists to educate individuals, to ensure their development and to expand their opportunities. Boise State University 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 BSU put its primary emphasis on business and economics, the social sciences, public affairs, the performing arts, education and interdisciplinary studies. The university gives continuing emphasis in the areas of health professions and the related physical and biological sciences. It maintains basic strengths in the liberal arts and sciences that provide the core curriculum and enhance its role as a regional center for technology based upon emerging needs.

At Boise State, students may choose to study in any one of seven colleges: Arts and Sciences, Business, Education, Health Science, Social Sciences and Public Affairs, Technology, Graduate_ or two Schools: School of Engineering Technology and School of Applied Technology. BSU offers 188 major fields of interest, 92 baccalaureate degree programs, 36 vocational technical degrees, 25 graduate and five 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 locations ranging from the State Legislature to the state's largest daily newspaper enhance classroom learning.

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

Since its inception, 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 University 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 (BJC), 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 nonprofit private corporation sponsored by the Boise Chamber of Commerce and the community. A bill creating a junior college taxing district was passed in 1939 and the college was supported by local property taxes thereafter.

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 was designated Boise State University in 1974.

During its 62-year history, BSU has had five presidents: its founder, Bishop Middleton Barnwell (1932-34), Eugene Chaffee (1934-67), John Barnes (1967-77), John Keiser (1978-1991) and Charles P. Ruch who began his term of service in January 1993.

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)
- National Council for Accreditation of Teacher Education (NCATE)
- International Association of Counseling Services (IACS)
- American Council for Construction Education (AACE)
- National Athletic Trainers Association (NATA)
- National Association of State Directors of Teacher Education and Certification (NASDTEC)
- Council on Social Work Education (CSWE)
- National Association of Schools of Music (NASM)
- American Chemical Society (ACS)
- National League for Nursing (NLN)
- Idaho State Board of Nursing (ISBN)
- 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 Dental Assistant program 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 University are challenged to reach their highest levels of performance. The opportunities are here to test your limits in academics, sports, cultural and social activities.

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

Students come from every Idaho county, almost every state and more than 30 foreign countries. Each semester, BSU enrolls over 15,000 students in its academic and vocational technical programs.

Student Rights and Responsibilities: Students enrolled in the university must 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.

Faculty

Boise State University's strength lies in its faculty of almost 500. 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. 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 and Staff Consultation Services: The faculty and staff stand ready to assist business, industry, educational institutions, government agencies, professional groups and others with their education and training programs or in their research and development efforts.

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.

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 that is elected annually 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 travel programs, discounted tickets to area movie theatres and to events sponsored by the music and theatre arts departments 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, class reunions and many other activities. The Alumni Association may be contacted at (208) 385-1698 for further information.

Facilities and Location

The Boise State University campus is situated along the banks of the Boise River in Idaho's capital city. The 110-acre university campus is bordered by Broadway Avenue on the east, University Drive on the south, Capitol Boulevard on the west and the Boise River on the north. **Downtown Boise** is just a few minutes walk from campus, where you will find inviting shops, fine restaurants and vibrant nightlife. Cross the Boise River via footbridge to enjoy Julia Davis Park — with the Idaho Historical Museum, the Boise Gallery of Art, the city zoo, a band shell where spring and fall concerts take place and lots of open, green space.

In addition to modern classroom facilities, BSU students enjoy a contemporary Student Union, one of the most acoustically sophisticated performance halls in the nation and a top-notch arena and recreation complex. BSU makes meeting rooms and classroom facilities available to various community groups and agencies.

Maintenance and addition of modern classroom facilities is a priority for Boise State University. Thanks to private financial support, the **Business Building** features three state-of-the-art electronic classrooms outfitted in 1993-94, as well as computer laboratories for student use. The **Engineering Technology Building**, completed in 1990, provides classroom and laboratory space for engineering, construction management and other technical programs. Many of your classes will be scheduled in the **Education Building** and **Liberal Arts Building**, as well as the recently renovated **Math/Geology Building** and **Public Affairs/Art West**.

The **Simplot/Micron Instructional Technology Center** is an advanced instructional technology and telecommunication center. Through 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. A satellite earth station and an inter-campus microwave system are used to transmit instruction throughout the state.

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 **Centennial Amphitheater**, completed in 1990, provides a relaxing outdoor setting for performing arts programs.

The **BSU Pavilion** is the largest multi-purpose arena in Idaho and the home of Bronco basketball and gymnastics. Events include concerts, professional sports and family entertainment. Campus recreation and intramural activities are managed from offices in the Pavilion, where you have access to racquetball, weight rooms and a large recreational gym.

BSU's child care center, providing services to children of students and employees, is located in the Pavilion, near the northeast entry. **Bronco Stadium** is the largest in the Big Sky Conference with a capacity of 22,500 spirited fans.

The **Student Union** provides for the campus community's social, recreational and cultural needs. In addition to a variety of food service options, you will enjoy the Recreation Center, which features a games room, bowling lanes and billiards, numerous lounges, ideal for studying or relaxing; and the Outdoor Rental Center, which has equipment for winter and summer sports. Pick up your tickets for campus programs and other Select-A-Seat events at the Union's Information Desk. The Student Union is home to more than 130 recognized student organizations, the Associated Students of Boise State University (ASBSU) and the Student Activities Office.

On the first floor of the Student Union, you will find the **BSU Bookstore**, where you can buy all textbooks and supplies required for your classes. The Bookstore also offers a large selection of sale books on a continual basis and the Bronco Shop across the corridor carries BSU clothing and memorabilia.

In addition to financial offices, the **Administration Building** is home to several student services, including admissions, financial aid and housing. You will find the Counseling and Testing Center in the **Education Building**, and the **Student Health Center** and **Career Center** are located across University Drive from the main campus.

The Library

The Library is the heart of the campus; its collections support the curricular and research efforts of the university. Present holdings exceed a million and a half items, including 353,000 monograph volumes and 63,000 bound periodicals, 4,700 current periodicals, newspapers and other serials, 124,000 maps, 153,700 government publications and 1,090,200 microfilm pieces.

Catalyst: A computerized catalog provides on-line searching of Library holdings. There are Catalyst terminals on all floors. Catalyst is available on the BSU campus network and can be searched from off campus by a personal computer and modem.

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

Documents and Maps: BSU is a selective depository of United States, Canadian and Idaho State publications. There is also a small collection of Ada County and Boise City publications. The map collection covers a myriad of areas and subjects, with emphasis on Idaho, the Northwest, the United States and Canada. The Library will move Documents and Maps from the second to the first floor by fall 1994.

Reference Department: Located in the center of the first floor, this department contains a large collection of indexes, handbooks, literature guides, encyclopedias, dictionaries, many other reference volumes and several data bases on compact disk. The Reference Department provides basic and advanced bibliographic service and assistance in the use of the Library.

Special Collections: Located on the second floor, Special Collections contains the University Archives and various manuscript collections and rare books. The Library houses the senatorial papers of Frank Church and Len B. Jordan. The Frank Church Room on the Library's second floor contains memorabilia from the Senator's life.

The Library is in the midst of a construction/renovation project. During 1994/95, collections and services will be moved two or three times. Library users are urged to be both patient and persevering in their efforts to access the facilities at this time.

Computer Capabilities

As a student at Boise State University, you will be expected to learn to use computers in ways appropriate to your chosen discipline. As information technology continues to advance, the ability to use it becomes more critical. A few basic computer skills are common to all disciplines. Many academic departments have also established criteria for more specific skills.

The university is committed to providing, maintaining and increasing student access to computational facilities both on campus and via remote access through dial-in facilities. The Center for Data Processing is responsible for central computing and communications supporting the campus community as well as for operation of a large student computing lab and the faculty computing lab. There are also a number (currently 19) of other computer labs across the campus that are maintained by various departments or colleges. These labs are also open to students, faculty and staff. Hardware and software are updated frequently and new labs are opened from time to time to accommodate increased demand.

Up-to-date information on the location, operation hours and facilities available in the various computing laboratories is published in newsletters, is displayed on the on-line campus-wide information service and is available by calling the Center for Data Processing at (208) 385-1433. The computing equipment currently available on campus includes:

- An IBM 390-260 mainframe
- Many IBM PC's and compatibles running DOS or Windows
- Many Apple Macintosh computers
- An HP 30070 used in the College of Business
- A cluster of HP 9000 Unix workstations in the Department of Mathematics
- A Data General Avion 5000 used for the Library's CATALYST on-line cataloging system
- Various other computers, terminals, printers, scanners, etc.

The university has a campus network based on a fiber-optic backbone and many of the labs and offices are connected to this network, which allows access to the outside world via the Internet and BITNET.

Admissions

Questions about your admission file should be directed to:

Admissions Office
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-1156

The Office of Admissions at Boise State consists of the New Student Information Center (located at the northeast entry, Student Union) and the Admissions Office (located in Room 101, Administration Building). Contact the New Student Information Center to request application forms and other information about the university, and to arrange for admissions counseling or your campus visit. The Admissions Office receives and evaluates your application materials to verify that you meet university admission standards.

The Admissions Office coordinates international student admissions and advising and administers programs such as new student orientation and Western Undergraduate Exchange. The Admissions Office also directs the recruitment of special populations.

If you already have a bachelor's degree you will apply as a graduate student, even if you plan to enroll in undergraduate courses. Contact Graduate Admissions at (208) 385-3903.

Admission Application Deadlines

To encourage early planning for college, Boise State University has firm admission deadlines for undergraduate degree-seeking students in the fall and spring semesters. The earlier you apply for admission, the more likely you are to secure an early registration time. The deadlines below are the **latest** dates to submit all application materials.

1994 fall semester: July 27, 1994
1995 spring semester: November 23, 1994

Because some classes fill, it is to your advantage to submit all necessary application materials as early as possible. All of your admissions materials must be received in the Admissions Office by the deadline in order for you to register as a degree-seeking student. If you complete your admission file after this date, you will be considered for nondegree-seeking status only. This status restricts you to seven or fewer credits per semester and you will not be eligible for financial aid. Even after you have been admitted, registration is dependent upon class availability.

For **summer sessions,** your admission materials should be received in the Admissions Office at least one week prior to the start of class.

Admission Standards

Boise State University has implemented admission standards to encourage sound preparation for college. To understand how your materials will be evaluated, review the appropriate admission standards below. For clarification, please call the Admissions Office.

Standards for New Academic Freshmen

If you have never attended college before and you **graduated from high school or completed the GED (with a standard score average of 50) prior to 1989,** you will be granted *regular admission status* when the Admissions Office has received all required materials.

If you graduated from an accredited high school in 1989 or later, you will be admitted if you have a minimum high school grade point average (GPA) of 2.0 **AND** a minimum ACT composite score of 17* (or an SAT combined score of 700). In addition, you must have completed the Idaho College Admission Core (see box) with a 2.0 GPA to receive *regular admission status.* If you have met the GPA and ACT/SAT requirements, but have not fulfilled the Idaho College Admission Core, you will be eligible for *provisional admission status.*

If you earned the GED in 1989 or later, you will be admitted with *provisional admission status* if you have a standard score average of at least 50 on the GED **AND** a minimum ACT composite score of 17* (or SAT combined score of 700).

**If you are 21 or older, you do not need to submit ACT or SAT scores.*

Idaho College Admission Core

In addition to meeting minimum GPA and ACT/SAT requirements, students graduating from accredited high schools in 1989 or later must complete the following college preparatory courses with a 2.0 GPA to be admitted to BSU with regular admission status:

English — **8 Semesters**
Composition, Literature

Social Science — **5 Semesters**
American Government, Geography, U.S. History, World History, Economics, Philosophy, Psychology, Sociology.

Mathematics — **6 Semesters**
Algebra I, Algebra II, Geometry, Calculus, Statistics, Trigonometry. At least 4 semesters must be taken in grades 10 through 12.

Natural Science — **6 Semesters**
Anatomy, Biology, Chemistry, Earth Science, Geology, Physiology, Physical Science, Physics, Zoology. Selected science courses may count for up to 2 semesters. At least two semesters must be in courses which include a laboratory science.

Humanities/Foreign Language — **2 Semesters**
Literature, History, Philosophy, Foreign Language and related study of two or more of the traditional humanities disciplines.

Other College Preparation — **3 Semesters**
Speech, Studio/Performing Arts (Art, Drama, Music), additional Foreign Language. Up to 2 semesters of approved vocational courses may apply; consult your high school counselor.

Applying for Admission

To apply for undergraduate admission, submit to the Admissions Office all materials indicated in the checklist below. All admission materials must be received in the Admissions Office by the posted deadline.

New Freshmen in Academic Programs

- *Undergraduate Application for Admission* with one-time, nonrefundable *$15 application fee.*
- *Official* high school transcript* showing all courses completed and date of graduation (or *GED test scores*). Note: If you are a high school senior, you may receive a preliminary admission decision by submitting high school transcripts after the first term of your senior year.
- *Official ACT or SAT results* posted on your high school transcript or received directly from the testing agency.**

Transfer Applicants in Academic Programs

- *Undergraduate Application for Admission* with one-time, nonrefundable *$15 application fee.*
- *Official* transcript* from each college or university attended. Note: If you are attending another college you may receive a preliminary admission decision by sending an in-progress transcript after the first semester of your final year.

If you will transfer to BSU with fewer than 14 transferable baccalaureate-level semester credits, also submit the following:

- *Official* high school transcript* showing date of graduation or *GED test scores.*
- *Official ACT or SAT results.***

Returning Applicants in Academic Programs

If you are a BSU student who has not attended for one semester or more (not including summer), you must reapply for admission. Submit the following:

- *Undergraduate Application for Admission.*

Also submit any of the following which were not sent to the Admissions Office at the time of your prior enrollment:

- *One-time, nonrefundable $15 application fee.*
- *Official* transcripts* from all other colleges attended.
- *Official* high school transcript* or *GED test scores*, if fewer than 14 transferable baccalaureate-level college credits earned.
- *Official ACT or SAT results*, if fewer than 14 transferable baccalaureate-level credits earned.**

Nondegree-Seeking Applicants

- *Undergraduate Application for Admission* or *Application for Nondegree-seeking Admission.*

Applicants in College of Technology Programs

If you are applying for a Baccalaureate program:

- Complete the steps listed above for academic programs.

If you are applying for a Certificate or associate's degree program, you need to:

- Arrange a *personal interview* with a College of Technology Student Services counselor. Call (208) 385-1431.
- Submit an *Undergraduate Application for Admission* with one-time, nonrefundable *$15 application fee.*
- Submit an *official* high school transcript* or *GED test scores.*
- Submit *educational assessment results.* Test results can be either CPT Assessment scores (this test is given at any Idaho post-secondary technical school) or ACT/SAT scores. This requirement is waived if you have completed an associate's or bachelor's degree program.
- Pay a nonrefundable, one-time *$50 enrollment processing fee.*

Applicants Who Already Have a Bachelor's Degree

If you already hold a bachelor's degree you will need to apply through the BSU Graduate Admissions Office, even if you plan to enroll in undergraduate courses. Refer to the BSU Graduate Catalog.

Applicants from Other Countries

Refer to "Admission of International Students" later in this section.

**To be official, transcripts must be sent by the issuing institution directly to the BSU Undergraduate Admissions Office.*
***Test results are not required if you are 21 years or older.*

Standards for Academic Transfer Students

If you have fewer than 14 transferable credits, you will be considered for admission on the basis of your high school transcript or GED, ACT or SAT scores and college transcript.

If you have 14 or more transferable semester credits, you will be considered for admission based upon your college academic record. If you were in good academic standing at the last institution you attended and have a transferable GPA of at least 2.0 you will be awarded *regular admission status.*

If you have a transferable GPA of less than 2.0, you will be considered for *probationary admission status.* However, if you were dismissed from your last college or university within twelve months prior to the first day of BSU classes, you are not eligible for admission.

**If you are 21 or older, you do not need to submit ACT or SAT scores.*

Standards for Academic Returning Students

If you are returning to BSU with 14 or more college credits, you will be considered for admission based on your academic record at BSU and any colleges attended since. To receive *regular admission status*, you must have left BSU in good academic standing and earned at least a 2.0 GPA from any colleges attended since. If you left BSU on probation you will be admitted with *probationary status*, provided you have not since been dismissed from any other colleges. However, if you were dismissed from any college or university within twelve months prior to the first day of BSU classes, you are not eligible for admission.

Standards for Nondegree-seeking Students

If you are applying to take courses of interest, *nondegree-seeking status* requires only that you have a high school diploma or GED. However, if you were dismissed from any college or university within 12 months prior to the first day of BSU classes, you are not eligible for admission.

Standards for College of Technology Students

Refer to the academic standards above if you intend to pursue a bachelor's degree.

Admission to associate's degree or certificate programs is determined on the basis of your personal interview, educational assessment, high school transcript or GED scores and college academic record. Letters of recommendation are considered for health programs. The space available in a program may also affect your admission.

Your Admission Status

The Admissions Office assigns your admission status after evaluating an application and accompanying materials. It is important that you understand your status and any requirements or restrictions that might pertain to it.

Regular Admission Status - You meet all requirements for general admission.

Provisional Admission Status - You have been accepted for general admission, but with provisions. Within three semesters you must complete 14 credits of course work, including one English Composition course plus one class from each of the three areas of the General Education Core (Arts/Humanities, Social Sciences and Natural Sciences/Mathematics). A grade of 'C' or better must be earned in each of these classes.

You are assigned this status if any of the following apply: (1) you met BSU's high school GPA and test score requirements, but did not complete the Idaho College Admission Core; (2) you earned a GED instead of a high school diploma; (3) you were originally denied, but then admitted by the Special Admissions Committee after requesting special consideration of your file.

Conditional Admission Status - You have been accepted for general admission with this temporary status based upon receipt and evaluation of an incomplete transcript. Your final admissions classification will be determined upon receipt and evaluation of your official final transcript. Registration for subsequent semesters will not be allowed until your final transcript has been received.

Probationary Admission Status - You have been accepted for probationary admission, which requires that you earn at least a 2.0 GPA in your first semester of attendance at BSU. After successful completion of your first semester at BSU, you will be subject to provisions of the BSU Academic Probation and Dismissal Policy (see page 28).

If you earn a GPA under 2.0 in your first semester, you will be dismissed and be ineligible to attend BSU for at least 12 months. (Upon a second dismissal, you are ineligible to attend for at least 24 months.)

You are assigned probationary status if any of the following apply:

1) You transferred to BSU with a GPA under 2.0 on your prior college course work.
2) You attended BSU previously and left while on academic probation. Even if you have successfully completed courses at another institution since leaving BSU, you will reenter on probationary status. However, if you were dismissed from your last college or university within 12 months prior to the first day of BSU classes, you are not eligible for admission.

Denied Admission Status - If you do not meet the admission standards for regular, provisional or probationary status, you will be denied admission to Boise State University as a degree-seeking student. You may appeal this decision or inquire about enrolling as a part-time, nondegree-seeking student.

Nondegree-seeking Admission Status - Designed for students taking courses of interest, nondegree status allows you to enroll in up to seven credits per semester. These credits can be used toward a degree if you are

later admitted for degree-seeking status. However, nondegree-seeking students register for classes after degree-seeking students and are not eligible for federal financial aid or veterans' benefits. (Any college transcripts submitted will not be evaluated until you apply as a degree-seeking student.)

Appeals

If special circumstances prevent you from fulfilling the admission standards, meeting the admission deadline or completing the provisional requirements in the time allotted, you may appeal for special consideration. To exercise this option, go to the office of the Dean of Admissions, Administration Building, Room 105 or call (208) 385-1177.

Admission of High School Students

If you are a high school student, you may enroll in BSU classes as a nondegree-seeking student only if you have met the appropriate prerequisites and have the approval of the Dean of Admissions. To apply, fill out the "Application for Nondegree-seeking Admission" form and attach a letter from your high school principal or counselor specifying that you are capable of college-level work and that taking courses will not interfere with your progress toward high school graduation.

Retention of Records

The Admissions Office retains the records in your admission file for five years after the date of your last attendance. If you applied but never enrolled, your records are kept only two years. If you reapply to BSU beyond these retention periods, you may be asked to furnish new materials, such as a high school or college transcripts.

If you are a returning student and your records are still on file, you probably still need to complete a new application. Any student not attending for one semester or more (not including summer), must reapply for admission by submitting a new "Undergraduate Application for Admission" by the posted deadline.

Admission of International Students

Boise State University is pleased to admit qualified students from around the world. Follow the admission requirements below, and contact Foreign Student Admissions, (208) 385-1757, if you have questions.

If you have no prior college or university credit, you will be considered on the basis of your secondary school transcript and the results of the TOEFL (Test of English as a Foreign Language). An English translation of the transcript must be submitted. A minimum TOEFL score of 500 is required for undergraduate study. You must have a grade point average of 2.0 or its equivalent and you must have completed the pre-university requirements of your own country.

If you have completed some college or university level course work, you may apply as a transfer student. The awarding of transfer credits will be determined on the basis of official course descriptions that you must provide. Request that official transcripts be sent directly from the colleges or universities you previously attended to the Boise State University Foreign Student Admissions Office. English translations of transcripts must also be submitted. You must have earned a grade point average of 2.0 or its equivalent and have scored at least a 500 on the TOEFL to be considered for undergraduate study. If you have completed English composition at a U.S. college or university, the TOEFL requirement may, in some cases, be waived.

If you have earned a bachelor's degree or its equivalent from an accredited institution, you must apply as a graduate student, even if you plan to enroll in an undergraduate program. A minimum TOEFL score of 550 is required for graduate study. Specific master's degree programs require special testing such as GRE or GMAT. Please refer to the Graduate Catalog for program information.

In addition to the academic records and official TOEFL scores, submit:

- "Foreign Student Application for Admission"
- Nonrefundable application processing fee of $30
- Verification of financial resources to cover one full year of expenses

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

Foreign Student Admissions is the central contact and information source for international students, both prospective and registered. The Foreign Student Services Coordinator and Assistant to the Dean of Admissions are international student advisors who can answer questions about immigration requirements, academic advising and orientation.

Health Insurance: Coverage by the university's student health insurance policy is required for full-time international students. The cost of this policy is included in student fees. If you have your own health insurance policy, you may be able to have the cost of BSU's policy refunded to you by providing evidence that your own policy is equivalent to BSU's. This evidence must be submitted within the first 10 working days of the semester.

Tuition and Fees

Questions concerning tuition and fees should be directed to:
Cashier's/Bursar's Office
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-3699/4068

Payment of tuition, fees and other charges is due for all registered students by the deadlines specified in the Boise State University Calendar. Any students registering after the fee payment deadline are expected to pay applicable fees and charges at the time they register. Any special fees, such as deposits, special course fees, fines, penalties and special workshop fees are due when registration fees are paid. Boise State University currently accepts Visa and MasterCard for payment of fees.

Please note that special fees are not refundable after the first day of class.

Questions concerning Student Loans should be directed to:
Student Loan Office
(208) 385-3951
Questions concerning Financial Aid should be directed to:
Financial Aid Office
(208) 385-1664

Tuition and Fee Schedule

Eight or more hours made up of any combination of credit, audit, equivalent and/or repeat hours are considered a full schedule for the purpose 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.

EACH STUDENT IS RESPONSIBLE FOR FAMILIARIZING HIMSELF/HERSELF WITH THE FEE REFUND POLICIES AT BOISE STATE UNIVERSITY.

Full Tuition and Fees

Tuition or Fees	Idaho Resident	Nonresident
Tuition (per semester)	$ 0	$1525
Institutional fees (Undergraduate)	858	858
Institutional fees (Graduate)	1063	1063
Total (Undergraduate)	858	2383
Total (Graduate)	1063	2588

Payment of full fees does not necessarily mean full-time enrollment. The Academic Information section describes credit hour requirements.

Other Fees

Part-fees (Undergraduate) (7 or fewer credit hours) ..... $74 per Sem. Hr.
Part-fees (Graduate) (7 or fewer credit hours) ..... $95 per Sem. Hr.
Summer (Undergraduate) ..... $76 per Sem. Hr.
Summer (Graduate) ..... $91 per Sem. Hr.
Application Processing Fee (Nonrefundable) $15
Overload Fee (Nonrefundable) (Per credit hour cost over 19 credits) ..... Variable

Music Fees: Music Performance Fees for all private music lessons:
2 credits ..... $80 per semester
4 credits ..... $150 per semester

Music majors who are enrolled for eight or more credit hours will be granted Waivers of Music Performance Fees for required private performance study leading to a B.A. or B.M. degree. Students who receive this waiver must be concurrently enrolled for credit in a major ensemble and in concert class. Such students must receive a 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 through-out the year that are not part of the regularly scheduled courses funded through the university general fund budget. All students will be required to pay the special workshop fees regardless of full fees or part-time status. Such fees are set based upon the expenses associated with conducting each specific course. Registration for these workshops will not change the status of a student for fee purposes.

Senior Citizen Rate

Residents of the state of Idaho who are 60 years and older may attend classes at BSU by paying a reduced registration fee of $20 and $5 per credit hour plus any applicable special fees. Proof of age is required when paying fees. The "Senior Citizen's Waiver" form is available in the Cashier's Office (A-211).

Deferred Payment of Fees

Students with six or more credit hours who do not have any delinquent accounts with the university may defer payment of a portion of the tuition and fees that they owe according to the following provisions:

1. Students are to pay at least 40 percent of the total tuition and fees that are due by the registration fee deadline.
2. All special fees must be paid in full at the time of registration.
3. The service charges that apply to deferred payments are determined according to the following schedule:

Amount Deferred	Service Charge
$100 - $299	$10
$300 - $499	$15
$500 - $799	$20
$800 - $1199	$25
$1200 - $1300	$30
$1400 and over	$35

This service charge is nonrefundable and one-half of it must be paid with each deferred payment. Students who completely withdraw from the university are charged a $15 administrative fee.

4. The deferred balance is payable in two equal installments, which are due on or about October 1 and November 1 respectively, for the fall semester and on or about March 1 and April 1 for the spring semester.
5. Students who are delinquent in payments of these installments are subject to an $8 late charge **and** cancellation of registration. In addition, any student who is delinquent will not be granted permission to defer payment in the future.
6. Qualified students who wish to defer their registration fees are to go to the Deferred Fee Office, Administration Building, Room 204, to complete the necessary forms.
7. If a student who owes deferred payment withdraws from the university, any such amount still owed is deducted from any refund amount that may have been due if the student had paid full fees in cash when registering.
8. If any financial assistance arrives prior to repayment of the loan, those funds are to be used to immediately repay all or a portion of any outstanding deferred payments. 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 appeal by the student (Appeal affidavits can be obtained in the Finance and Administration Offices, Administration Building 208. Section 33-3717, Idaho Code, specifies that a resident student shall be:

1. Any student who has one or more parent or court-appointed guardians who are domiciled in the State of Idaho. Domicile, in the case of a parent or guardian, means that individual's true, fixed and permanent home and place of habitation. It is the place where that individual intends to remain and to which that individual expects to return when that individual leaves without intending to establish a new domicile elsewhere. To qualify under this section, the parent, parents or guardian must **have maintained a bona fide domicile in the state of Idaho for at least one year prior to** the opening day of the term for which the student matriculates.
2. A. Any student who receives less than 50 percent of his/her 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 12 months next preceding the opening day of the period of instruction during which he/she proposes to attend the college or university **and who has in fact established a bona fide domicile in this state primarily for purposes other than educational.**
   B. **Subject to subsection three of this section,** 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/her parent or guardian.
   C. 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.
   D. A member of the armed forces of the United States, stationed in the state of Idaho on military orders.
   E. 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 50 percent or more of support from parents or legal guardians. The student, while in continuous attendance, shall not lose residence status when his/her parent is transferred on military orders.
   F. A person separated, under honorable conditions, from the United States armed forces after at least two years of service, who at the time of separation designates the state of Idaho as the 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 year of the date of separation.
   G. 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 calendar year and has not established legal residence elsewhere provided a 12-month period of continuous residence has been established immediately prior to departure.
3. A "nonresident student" shall mean any student who does not qualify as a "resident student" under the provisions of sub-section two of this section, and shall include:
   A. A student attending an institution in this state with the aid of financial assistance provided by another state or governmental unit or agency therefore, such nonresidence continuing for one 1 year after the completion of the semester for which such assistance is last provided.
   B. A person who is not a citizen of the United States of America, who does not have a permanent or temporary resident status or does not hold "refugee-parolee" or "conditional entrant" status with the United States Immigration and Naturalization Service or is not otherwise permanently residing in the United States under color of the Law and who does not also meet and comply with all applicable requirements of this section.
4. The establishment of a new domicile in Idaho by a person formerly domiciled in another state has occurred if such person is physically present in Idaho primarily for purposes other than educational and can show satisfactory proof that such person is without a present intention to return to such other state or to acquire a domicile at some other place outside of Idaho. Institutions determining whether a student is domiciled in the state of Idaho primarily for purposes other than educational shall consider, but shall not be limited to the following factions:
   A. Registration and payment of Idaho taxes or fees on a motor vehicle, mobile home, travel trailer or other item of personal property for which state registration and the payment of a state tax or fee is required.
   B. Filing of Idaho state income tax returns.
   C. Permanent full-time employment or the hourly equivalent thereof in the state of Idaho.
   D. Registration to vote for state elected officials in Idaho at a general election.

Insurance Coverage

All full-fees students (eight or more credit hours) are automatically covered by the health insurance program on the first day of each semester or the date the premium is paid, if later. Students are insured while at home or school, while traveling and during all vacation periods 24 hours a day during the policy period. Coverage for the fall semester begins on the first day of class and ends on the first day of the spring semester. Spring semester benefits continue through August of that year. Student health insurance benefits are available to dependents and to part-time students who pay less than full-time fees but are enrolled in at least three credit hours of class each semester.

Insurance coverage provisions are subject to change.

Students not wishing to keep this insurance coverage can apply for a refund of the insurance fee by filing a petition with the Associated Students of Boise State University (ASBSU) student health insurance representative within 10 days from the beginning of the semester. (See posted dates.) The Student Insurance Advocate's Office is located in the Student Union Building, Room 218, telephone (208) 385-3863, for information regarding the program and claims procedures.

The Boise State University Student Health Center is a separate program that **Is not connected** with the health insurance program. 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) is made on the following basis:

During first 10 days of classes.....100%
less $10 processing fee
After 10th day of class .....**No Refund**

This refund 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. A refund check will be issued approximately three to four weeks from the date of withdrawal once the proper withdrawal paperwork has been completed. Refunds are based upon the date of application for refund after completion of withdrawal and not from the date of last attendance of class.

Refund policies for short courses, workshops and continuing education classes may vary. Please check with the appropriate office for pertinent information.

Students who withdraw during the refund period and who 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 balance of the refund will be returned to the appropriate student aid fund.

No private music lesson refunds are granted after the first week of class.

Financial Aid

Direct questions about financial aid to:
Financial Aid Office
Boise State University
1910 University Drive
Boise, Idaho 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 present annual educational expenses. Each student and his or her parents bear the primary responsibility for meeting educational costs.

Boise State University has a comprehensive financial assistance program that includes a variety of scholarships, loans, grants and part-time employment to assist students unable to cover educational costs.

To be eligible to apply for financial aid, a student must be a U.S. citizen or permanent resident, enroll for credit and show financial need. Financial aid is determined by careful analysis of financial resources from information furnished on the "Free Application for Federal Student Aid" (FAFSA). A federal formula is used to determine a student's financial need. Every attempt is made to ensure fair distribution of the resources available through the university.

Application Procedures

Financial aid is available only to degree- or certificate-seeking students who are admitted to the university in academic or vocational technical programs. Any such student wishing to apply for financial aid during the normal academic year of fall and spring semesters must submit the following forms:

1. **"Free Application for Federal Student Aid" (FAFSA)**
   The FAFSA is completed by students applying for all need-based aid. The FAFSA must be sent directly to the processor. Three to four weeks are required for processing. These forms are available in January.
2. **Financial Aid Transcript**
   Students who have attended other postsecondary institutions must submit a financial aid transcript from all institutions attended. The financial aid transcript must be submitted whether or not financial aid was received. (Should you fail to submit the financial aid transcript, application processing will be delayed.)
3. **"BSU Application for Scholarship" (for scholarship application only)**
   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 upon request from the Financial Aid Office. Need-based scholarship applicants must submit the FAFSA by February 1 to ensure receipt at BSU by March 1.
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 may include tax returns, proof of citizenship, proof of veterans benefits, permission to release private records, etc. **NOTE**: Information about your financial aid application will not be released **to anyone** without your permission.

To increase your chances of receiving aid, all appropriate forms must be mailed by March 1 and received by BSU by April 1. Applicants will be considered for various types of aid on a first-come, first-served basis if funds remain. 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 April 1 deadline to have aid available for midsummer billing.

Summer Session

The university has financial aid available on a limited 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 Directory of Classes for the appropriate year is available. The FAFSA must be on file by May 1 prior to the appropriate summer session.

Financial Aid Programs

1. **Federal Pell Grants** are available to undergraduate students with documented financial need as a foundation to which other need-based aid may be added. Approximately six weeks after the FAFSA 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. If Federal Pell Grants alone are not sufficient to meet educational expenses, other types of aid are available; these are described below.
2. **Federal Supplemental Educational Opportunity Grants (SEOG) and State Student Incentive Grants (SSIG)** are awarded to undergraduate students who show exceptional financial need.
3. **Federal Perkins National Direct Student Loan** is a long-term, low interest (5%) loan that must be repaid to the university according to specific Federal guidelines. Repayment begins six or nine months after graduation or after the student's enrollment drops below six credits. Federal Perkins loans are awarded to both undergraduate and graduate students who show exceptional need.

ESTIMATED REPAYMENT SCHEDULE FOR FEDERAL PERKINS LOAN

(Based upon 5% interest rate)

Loan Amount	Number of Payments	Amount of Payments	Total Interest	Total Amount
$1,000.00	36	$30.00*	$78.85	$1,078.85
2,000.00	79	30.00*	347.90	2,347.90
4,000.00	120	42.42	1,090.40	5,090.40
6,000.00	120	63.63	1,635.60	7,635.60
8,000.00	120	854.85	2,182.00	10,182.00
10,000.00	120	106.06	2,727.20	12,727.20

(*Final payment will be slightly less.)

4. **Federal Work Study Program (FWS)** provides an opportunity for selected undergraduate and graduate students who show need 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. FWS is awarded to selected undergraduate and graduate students who show need.
5. **Atwell J. Perry College Work Study Program** provides funds for student employment. Funds are available only to Idaho residents.
6. **Waivers of Nonresident Tuition** are available to a limited number of undergraduate and graduate students who are considered to be out-of-state residents for tuition purposes, who 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 work study, but who wish to work to pay a portion of their educational expenses.
8. **Scholarships** may be based upon academic achievements, special skills, talent or a combination of financial need and academic achievement. General scholarship applications should be returned to the Financial Aid Office by March 1. The Scholarship brochure contains a more complete listing of the various scholarship programs.
   a. President's Scholarships and Dean's Scholarships are available to a limited number of freshmen enrolling directly from high school who are Idaho residents. These scholarships are one-year awards and are given in recognition of outstanding academic achievement. Contact the Office of University Admissions Counseling, 1910 University Drive, Boise, Idaho 83725 for more information.
   b. State of Idaho Scholarship Awards are available to incoming freshmen who are Idaho residents. Applications can be obtained from high school counselors or the Office of the State Board of Education, 650 West State Street, Boise, Idaho 83720.
   c. Paul Douglas Teachers' Scholarship Awards are available to Idaho residents who plan to pursue a teaching career and who meet the academic/residency requirements. Recipients who do not subsequently 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.
   d. Western Undergraduate Exchange (WUE) is a program which can reduce the cost of nonresident tuition for a limited number of students coming from participating western states. To qualify, you must have a minimum high school or college GPA of 3.0, and, if a high school student, ACT or SAT scores at or above the 50th percentile. Participation is limited to students who will be starting at BSU in the fall semester and final selections are made based on GPA test scores and other criteria. States participating in Western Undergraduate Exchange (WUE) include: Alaska, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah and Wyoming.

      Certain programs at BSU are closed to WUE participation, including Nursing, Radiologic Technology, Respiratory Therapy, Pre-Engineering, Electronics Technology, Practical Nursing, Surgical Technology, Respiratory Therapy Technician, Dental Assistant, Electrical Lineworker and Business Systems and Computer Repair.

WUE awards may be renewed for a designated number of years if you maintain a 2.0 grade point average and earn at least 22 credits total during the fall and spring semesters.

9. **Federal Stafford Loan** is a need-based long-term moderate interest loan available to undergraduate and graduate students that is negotiated through the student's personal bank, credit union, savings and loan or other participating lender. A special application form available from the Financial Aid Office is required on which the university must provide information for the lender. Applications for Federal Stafford Loans are accepted and processed throughout the year. Repayment must begin six months after graduation or six months after the student has dropped below six credit hours. Nonresidents should use loan forms appropriate for their states. Federal Stafford loans are awarded to both undergraduate and graduate students who show need. Students borrowing through this program must attend a "Debt Management" session before any checks are released to them and an exit interview at the time of graduation or complete withdrawal.

ESTIMATED REPAYMENT SCHEDULE FOR FEDERAL STAFFORD LOANS

(Based upon 8% interest rate)

Loan Amount	Number of Payments	Amount of Payments	Total Interest	Total Amount
$ 2,500.00	60	$ 50.70*	$ 541.46	$ 3,041.46
5,000.00	60	101.39*	1,082.92	6,082.92
10,000.00	120	121.33*	4,559.31	14,559.31
12,500.00	120	151.67*	5,699.14	18,199.14
25,000.00	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 is returned to the Financial Aid Office if changes are requested. Students must reapply by the deadline each year to be considered for a scholarship or 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 is made 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 award letter is mailed.

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 award letter is mailed.

Checks may be picked up until two weeks after the close of classes. All checks are disbursed in Room A 209.

Refund Schedule for first time students who withdraw from BSU after receiving Title IV Grant/Loans:

100%	weeks 1 & 2
80%	weeks 3 & 4
60%	weeks 5 & 6
50%	weeks 7 & 8
40%	week 9

First time students who have received Title IV loans or grants, i.e. Pell, Stafford, SEOG, Perkins, and who withdraw during the first semester in which they are registered at Boise State University receive tuition refunds according to the schedule above.

Federal Stafford Loans: Federal Stafford loan checks will not be disbursed until the first day of classes in either term and must be picked up by the last day of classes (unless special arrangements are made with your lender). First time, first year students cannot pick up Federal Stafford loan checks until 30 days after the start of the semester.

Change in Enrollment Status

When a student receives financial aid, he or she is expected to complete a designated number of credits. If the student withdraws from BSU, he or she 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 the student's ability to maintain satisfactory progress.

Financial Aid for International Students

International students must demonstrate they have resources for the entire period of university attendance in order to be granted student visas. Should financial difficulties arise, the foreign student advisor (in the Admissions Office) may be contacted for assistance.

Reasonable Academic Progress

Eligible students seeking financial aid at Boise State University must:

1. Enroll for the purpose of obtaining a degree, diploma or certificate
2. Be in good academic standing (students cannot be "on probation")
3. Progress toward a degree/certificate at the minimum rate defined below
4. Complete degree requirements within the maximum time frame provided by this policy

Credit Information and Requirements

1. Full-time freshmen will be required to complete **18** new credits their first year at BSU. (See item 6, below.)
2. All other full-time students will be required to complete **24** new credits per year.
3. All half-time students (enrolled in 6-11 credit hours) will be required to complete the equivalent of six new credits per semester.
4. Quarter-time students (enrolled in 1-5 credit hours) must complete 100% of the credits for which they are enrolled after the 10th day of the semester.
5. 'F' grades, repeated 'C' and 'D' grades, incompletes, individual course withdrawals and complete withdrawals after the 10th day of classes count as credits attempted, but not completed.
6. New credits refer to classes taken for credit for the first time. They may be graded, pass/fail or improved 'F' grades. Courses repeated to improve 'C' and 'D' grades do not qualify as new credits as they have already been counted in credit totals. They should be taken in addition to the minimum credits required for each term.
7. Remedial courses (E 010, etc.) will be counted as hours attempted; as hours completed if a passing grade is received.
8. Students must be enrolled at least half-time to qualify for financial aid. (undergraduates in six credits per semester; graduate students in five).
9. Credit shortages may be made up by enrolling in 7-11 new credits per semester as a half-time student, or 13 or more as a full-time student. All credits in excess of the minimum requirements are applied to the shortage.

Maximum Time Allowed for Completion of Degree/Certificate Objectives:

Degree/Certification	Total Time Allowed
Master's	3 years
Bachelor's	6 years
Second Bachelor's/ Teacher Certification	2 years
Associates	3 years
VocTech/Certificate	Within normal program length (i.e., 11 months for 11-month program)

Limited Financial Aid Status

The following students will be granted limited financial aid status for **one academic year:**

1. New transfer students with credit shortages
2. Students who have credit deficiencies, but have not attended BSU for more than three years
3. Students with shortages of six or fewer credits

The following students will be granted limited financial aid status for **one semester:**

1. Students who transfer to BSU with a probationary GPA
2. Students who return to BSU with a probationary GPA

Reasonable Academic Progress Review

An annual review of all financial aid files is conducted. Future aid will be stopped for any students who do not meet the Reasonable Academic Progress standards as described previously. A student whose financial aid is stopped has the right to file a written appeal for exception to this policy.

Advancement Between Degree Programs

Normal advancement must be shown between degree programs (e.g., Certificate to B.A., Associate's to B.A., B.A. to M.A. (but not M.A. to Certificate).

Reinstatement

Students must have been removed from academic probation or have made up their minimum credit hour deficiencies to be eligible for reinstatement of their financial aid.

Appeals

The Financial Aid Office will consider written appeals for exception to the Reasonable Academic Progress Policy for documented extenuating circumstances. Such exemptions are granted for a limited period of time. Students may obtain appeal forms from the Financial Aid Office. Such appeals may be submitted up to the tenth week of the term. Appeals will not be considered for previous terms.

Student Housing

All inquiries requesting housing information and applications/contracts should be sent directly to:

The Office of Admissions Counseling
Boise State University
1910 University Drive
Boise, Idaho 83725
(208) 385-1401

Completed applications/contracts/security deposits should be returned to:

The Housing Cashier
Boise State University
1910 University Drive, A 213
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 four residence halls with accommodations for approximately 756 students. The hall experience contributes to and encourages participation in the total university community.

The J. B. Barnes Towers, located at the west end of campus, has six residential floors and accommodates 300 students with the bottom two floors for men and the top two floors for women. The center two floors are coed. It is carpeted and air conditioned with study lounges, laundry facilities and a computer lab. 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. Driscoll Hall is all women. Morrison Hall is coed with priority given to upper-class students or students 21 years of age or older.

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. Both units are connected by enclosed corridors to a central lounge, office and recreational area. Each floor has a small informal lounge, study room, bathrooms and laundry facilities. Chaffee also has a computer lab.

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 $75.

Room and Board 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 are assigned on a priority system, based upon the date of application and receipt of deposit. Returning residence hall students have housing priority over new applicants. If you have a

roommate preference, you should be certain that both applications are received about the same date. If no specific request is made for a roommate, it is assumed you will accept the person assigned. Your preferences 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 are set forth in the *Student Handbook*, *Boise State University Catalog*, the *Residence Hall Contract* and the *Residence Hall Handbook*. All university rules and regulations are specifically made a part of this contract by reference.

Personal Property and Liability

You are responsible for providing your own insurance against loss or damage. The university does not assume responsibility for or carry insurance against the loss or damage of individually owned personal property.

Meal Options and 1993-1994 Prices

	Room Choices	
	Double	Single
Option 1 (19 meals per week, 3 each weekday and 2 on Saturday and Sunday)	$3240	$3680
Option 2 (any 15 meals of the 19 available)	$3138	$3578
Option 3 (any 10 meals of the 19 available)	$2986	$3426

A nonrefundable $25 program fee is included in the above room and board costs. This fee covers programs, activities and various types of interest group projects desired by the students.

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

The residence halls, meal service and all food service options normally close during semester break and spring vacation. If you stay in the rooms at the residence halls during these holidays, you must obtain permission from the resident director and are charged on a per day basis.

University Apartments

There are 218 units available for full-fee paying (eight 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. University Park apartments have two and three bedroom units. All utilities except electricity and baseboard heat 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, you 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, you must send a completed application/contract to the Office of Student Residential Life with a $50 application fee. Checks or money orders should be made out to Boise State University. This deposit is not partial payment for rent. The deposit is held (after assignment) as a damage deposit and is refundable when you move from the apartment.

When an apartment is ready for occupancy, you must sign a lease, pay the balance of the security deposit of one month's rent (less the $50 application fee) and rent to the end of the month prior to moving into the apartment. A $25 processing fee is taken from the security deposit at time of refund.

Rental Rates Per Month (1993-94 Prices):

University Courts
- Small One Bedroom $319.00*
- Large One Bedroom $376.00*
- Two Bedroom $421.00*
- Three Bedroom $461.00*

University Heights
- One Bedroom $394.00*
- Two Bedroom $437.00*

University Manor
- One Bedroom $394.00*
- Two Bedroom $437.00*

University Park
- Two Bedroom Unfurnished $420.00*
- Three Bedroom Unfurnished $450.00*

*Remodeled apartments at a higher price

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

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

Off Campus Student Housing

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

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

Student Services

Questions about Student Services may 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 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 Information

The New Student Information Center (NSIC), located in the Student Union Building (SUB), provides information and coordinates activities for prospective students, whether new, freshmen or transfers, high school age or "nontraditional" adults, or minority students. The New Student Information Center is a division of the Admissions Office; contact NSIC regarding admission, campus visits and special programs, hosted throughout the state each spring. For information or assistance, phone (208) 385-1401.

Orientation

Prior to your first semester at BSU, the Orientation Committee invites you to participate in a variety of academic and social events designed to support a successful transition into the university community. If you are a newly admitted student, watch for your invitation, which will be mailed about one month before classes begin. For more information or assistance, phone (208) 385-1401.

Academic Services

Academic Advising Center

Currently enrolled undergraduate students who have not chosen a major should come to the Academic Advising Center for assistance with course selection, information about academic requirements 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 (208) 385-3664.

Tutorial Assistance

The Student Special Services Office (Room 114, Administration Building, (208) 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. A list of qualified tutors is available for students who want to hire a private tutor. 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 (GE 108)

For students who need special help in reading or improving their study skills, the university offers a Reading and Study Skills course (GE-108) each semester. The course is designed to assist students at their own pace in note taking, 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. Telephone: (208) 385-3602.

Strategies For Academic Success (GE 100)

The university offers an orientation course that helps new freshmen students develop the necessary skills and attitudes to achieve their educational goals. Students will acquire knowledge of the values, policies and procedures of the university; information about the university's resources and services; stress and anxiety management; effective life and study skills; effective use of the Library and career exploration. Telephone: (208) 385-3602.

Writing Center

The Writing Center is a place where you can receive free one-to-one consultation on your writing, in any subject. It is open to all BSU students, faculty and staff.

To make the best use of the Writing Center: Make an appointment ahead of time if at all possible. During busy times in the semester, the appointment chart fills up two to three days in advance. Bring a draft of your paper and, if possible, a copy of the assignment. If you don't have a full draft because you aren't sure how to begin or how to complete it, we can still help. The Writing Center is conveniently located in the center of campus, Liberal Arts Building, Room 220. Phone (208) 385-1298. Hours are:

Monday 8:30 a.m.-2:30 p.m.; 3:40 a.m.-7:00 p.m.
Tuesday through Thursday 8:30 a.m.-7:00 p.m.
Friday 8:30 a.m.-4:30 p.m.
Saturday 10:00 a.m.-4:00 p.m.

Campus Activities and Recreation

Student Government

The Associated Students of Boise State University (ASBSU) strives to represent the interests of all full fee paying BSU students and encourages active student participation in university life. The ASBSU sponsors and promotes a well-rounded program of educational, cultural, social and recreational activities. The ASBSU Executive Branch includes the President, who acts as the voice and representative of the students at university functions; the Vice president, who is the chief officer of the Senate; and the Treasurer, who administers the budget. The Senate, as

the legislative branch, consists of senators elected in campus-wide balloting. This body develops and coordinates activities, passes legislation for the general welfare of all students and grants funding to student groups.

The Judiciary approves recognition of student organizations, determines the constitutionality of questions brought before it and serves as the primary 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 120 ASBSU-recognized student organizations on campus represent a variety of interests and concerns. These include special interest groups that vary from political and ethnic interests to rodeo and music, 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 Arbiter*, the student newspaper and BSU Radio Network, a non-profit radio station. The Student Programs Board, presents a variety of films, performing arts events, comedians, lectures, concerts and family activities. The National Student Exchange program provides opportunity for resident education at over 100 participating colleges and universities in the U.S.

Sororities and Fraternities

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

Fundamentally, each group is guided by the principles of friendship, scholarship, leadership, mutual respect, helpfulness and service to the university community. Members take charge of their own financial management, governing and organization of special events or programs. Extra costs include initial affiliation expenses, social fees and, in some instances, building fund charges.

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

Cultural Opportunities

The Art, Music and Theatre Arts departments stage a number of shows throughout the year, most often with students as participants. The Art department sponsors shows of both 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 Intramural 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 (208) 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 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, wresting, tennis, cross-country and golf while the women's intercollegiate sports include basketball, gymnastics, track, tennis, cross-country, golf and volleyball.

Support Services

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 six credit hours. Professional staff psychologists, counselors, supervised counseling and social work interns and paraprofessionals offer a variety of services ranging from individual counseling and crisis intervention to promoting programs (workshops, seminars and classes) aimed at enhancing the overall learning environment at Boise State University.

The primary purpose is to help students become more effective in dealing with concerns that influence their pursuit of personal and academic goals. This includes helping students solve specific educational problems as well as developing the social and personal skills necessary to gain the most from their experience at BSU. Typical concerns that the center frequently assists students in resolving include: interpersonal conflicts, test anxiety, stress related problems, depression, marital and pre-marital difficulties, social skill deficits, value clarification, loneliness, academic and career decision making, life style planning and personal social/emotional adjustment problems.

The Center is also responsible for the administration of a large number of standardized tests, including CLEP, NTE, LSAT, GRE, GMAT, MAT and others.

Appointments can be made by calling (208) 385-1601 between 8 a.m. and 5 p.m., Monday through Friday, or by coming to the Center on the sixth floor of the Education Building. Referrals from faculty, residence advisors and others are welcomed by the staff.

Child Care Service

The University Child Care Center, (located in the northeast corner of the Pavilion) provides child care for children that are two and one-half to five years old. The Center is accredited by the National Academy of Early Childhood Programs and is licensed by the city of Boise. This service is available to full-time or part-time students and faculty or staff. Half-day care 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, Early Childhood Education majors and

the Psychology department. The service is a self-supporting project financed through parent-paid fees, donations, some USDA Child Care Food Program Assistance and institutional support.

Student Health Service

The Student Health Service is located at 2103 University Drive, directly across from Public Affairs and Arts West Building. Clinic hours range from 8:30 a.m. to 4:30 p.m., Monday through Friday each day classes are in session. Outpatient medical care is rendered to full-time registered students within the capability of the facility at no additional cost after the general registration fee is paid. Minimal fees are charged for tests and procedures not within the capability of the Student Health Service. Patient referrals are made as necessary. The Student Health Service is equipped to care for more than 90 percent of student health care needs.

For information on student health insurance see page 17.

Disabled Student Program

An emphasis is placed on the expansion of university accommodations to encourage students with disabilities 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 note taker services, tutorial assistance, liaison with the Boise area office of the Idaho Division of Vocational Rehabilitation and authorizes handicapped parking for eligible students and staff. Limited equipment is available for temporary use by disabled students such as a TDD, tape recorders, modified computer terminals and FM hearing systems. The Library has a Vantage Eric-W, 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 (TDD 385-1454).

Multicultural Services

The Student Special Services office develops support services for all students who are "At Risk." The Minority Assistance Coordinator serves as an advocate in matters concerning existing student support programs and assists in developing additional services that encourage students to complete their education. Student panels representing the rich diversity on campus provide the opportunity to discuss and appreciate the advantages and contributions of our diverse population. One of the primary objectives of the program is to provide opportunities for interaction which promotes awareness, understanding and cooperation between students, faculty, staff and the community.

This office also assists student organizations in the implementation, development and coordination of ethnic/diverse programs that serve the needs of the specific group as approved by ASBSU and specified under the organization's constitution. Organizations which work with the Student Special Services vary each year, but generally consists of the Organization of Students of African Decent (OSAD), Organization de Estudiantes Latino-Americanos (OELA), Barrier Busters and Native American Student Association (NASA).

For more information, please contact the Student Special Services Office, Administration Building, Room 114 (208) 385-1583.

Multiethnic Center

The Center serves students through the Student Special Services Office. The Multi-Ethnic Center is located in the Student Union Building Annex II. The center provides a place for students to meet and in addition posts Stay-in-School, Cooperatives, Internship positions, local job and scholarship opportunities for students. Workshops are scheduled in the Center to assist students learn skills relevant to a successful on campus experience. Contact can be obtained by dialing (208) 385-1583/4317.

Nontraditional Student Services

The Student Special Services Office Administrative Building, Room 114 (208) 385-1583 provides individual and group support for nontraditional students to assist in the transition to school. A nontraditional student is any new or returning student who is not attending college immediately following high school. Services provided include: student support groups, newsletter, mentoring program and workshops. In addition to the assistance provided directly by the office, referrals are also made to campus and/or community organizations and agencies.

International Students

The Foreign Student Services Coordinator and the Assistant to the Dean of Admissions, Administration Building, Room 107 are the international student advisors and are 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 Foreign Student Admissions Office as soon after arrival as possible. This office provides assistance and a central contact and information source to registered foreign students.

Women's Center

The Center serves as a "point of entry" where students' concerns can be handled directly or referred to the appropriate university office or community agency. The Center provides support services and resources designed to enhance the quality of student life and promote academic success. Services provided include: support groups, workshops, brown bag lunches, baby-sitting co-op, mentoring, resource lending library and information referrals. In addition, the Center develops and promotes educational programming about women's contributions, achievements and concerns.

Veterans' Services

The Office of Veterans' Affairs (OVA), Administration Building, Room 111 (208) 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.

Career Center

The Career Center (2065 University Drive) offers career advising, information, planning and employment assistance to students and alumni. Services provided include:

1. Assistance in identifying and making a career choice. Individual career counseling as well as two automated career guidance systems, the Idaho Career Information System and SIGI PLUS are available to students.
2. A resource library of information on majors, careers and recruiting literature.
3. Students may assemble a file of references at a time when professors and administrators easily remember them. Copies are sent to prospective employers upon student request. Files should be established early in the year of graduation.
4. Job listings and on-campus interviews from business and industry, government agencies, school districts and graduate schools for graduating students and alumni. Numerous directories of possible employers are available.
5. The office also aids students and alumni in developing job hunting, interviewing and resume writing skills.

Direct questions about academic regulations to:

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

You will find most of the general information you need concerning academic policies and requirements in this section of the catalog. More detailed versions of some of these policies can be found in the *Student Handbook* (available to all students) or the *Administrative Handbook* (available for inspection at administrative offices). For more specific information on deadlines and procedures, you should consult the *Directory of Classes* for the current semester or summer session.

You always have the right to petition for an exception to any academic policy or requirement due to extenuating circumstances or if its strict application would result in undue hardship. "Extenuating circumstances" are defined as those beyond your control that prevent you from complying with a policy or requirement. Exceptions for "undue hardship" are granted only for situations or conditions considerably more serious than inconvenience. University policies provide specific procedures for appeal. The dean of the college of your major or the University-wide Appeals Committee handle most appeals. There is also an Academic Grievance Board to whom you may appeal in certain circumstances. See the *Student Handbook* for more information about this board.

Records, Registration and Grades

Student Records

The university collects and maintains information about students. The Admissions Office collects information and correspondence pertinent to admissions and readmission decisions and other information appropriate for your permanent file. The Registrar's Office retains your permanent transcript record and all materials that support that record. Faculty members keep grade information and advising records. You have the right to view and obtain copies of your records. Transcript records accurately reflect a student's academic history. These records are changed only in extraordinary and extenuating circumstances. You have the right to appeal information entered on your transcript that inaccurately reflects your student history.

Privacy

The university protects the confidentiality of this information under the guidelines of the Family Rights and Privacy Act of 1974. See BSU Policy 4205-D in the *Administrative Handbook* for the entire policy. Faculty and staff can access information about students in the course of their work. The following is considered public or "directory" information. The university will not release any other information about you to people outside the university who request it without your specific permission:

Local address
Local telephone number
Major
Dates of attendance
Class standing
Enrollment status (full- or part-time)
Boise State University degree and date earned

All other information is considered confidential. You must give your written permission before it is released to anyone outside the university. If you do not wish this "directory" information released, you can request "privacy" by marking and signing the appropriate block on your registration form. Once you request privacy, it remains on your record until you change it.

Enrollment Verification

Several outside agencies (financial aid providers, insurance companies, employers, etc.) often request verification of enrollment status for students who are participating in their programs or using their services. The following schedule is used for verification of attendance to agencies outside the university:

Undergraduate:	
Full-time	12 or more undergraduate credit hours
3/4 time	9 - 11 undergraduate credit hours
1/2 time	6 - 8 undergraduate credit hours
Less than half-time	5 or fewer undergraduate credit hours
Graduate:	
Full-time	9 or more graduate credit hours
3/4 time	6 - 8 graduate credit hours
1/2 time	4 - 5 graduate credit hours
Less than half-time	3 or fewer graduate credit hours

Students receiving benefits under the G.I. Bill must contact the Veterans' Services Office to obtain specific eligibility for enrollment certification.

Student Classifications

Students are classified as follows:

Special	No degree intent; courses of interest only. Admissions standards are not required for this classification and financial aid is not available to students in this classification.
Freshman	0 - 25 earned credit hours
Sophomore	26 - 57 earned credit hours. This is the maximum classification available to students enrolled in associate or certificate programs.
Junior	58 - 89 earned credit hours
Senior	90 or more earned credit hours or enrolled in a second baccalaureate degree program
Graduate	Earned baccalaureate degree and admitted to a graduate program

Address or Name Changes

You are responsible for notifying the Registrar's Office of any address or name changes. Mailing notices to the student's latest address on record constitutes official notification.

Advising and Registration

Advising

During the academic advising process, you receive help in forming your educational goals and planning ways to achieve them. If you want to register for eight or more credits in a semester, you must obtain an advisor's approval and signature on your official advising/registration form. The academic department assigns advisors to students who declare majors within that department. Most advisors are faculty members, although some departments also use professional and peer advisors. The Student Services Center (Room 203, Business Building) advises freshman and sophomore students considering majors in the College of Business. The Academic Advising Center (Room 105 of the Math/Geology Building) advises students who have not chosen a major.

Registration

The *Directory of Classes* contains detailed information on registration procedures and dates. Registration is not complete until all fees are paid.

Priority Registration is available for continuing students in April for summer session and fall semester and in November for the spring semester. Registration appointment times are assigned by class standing and alphabetic rotation within class standing.

New and returning degree-seeking students may register during the summer for fall semester and in December for spring semester. Registration appointments are assigned priority registration in order of receipt of application for admission.

Open Registration is available after fee payment deadline through the end of the first week of class. If you did not register during priority registration or missed the payment deadline, you may register during this period.

Late Registration is available only with permission of the University Appeals Committee and is approved only in extreme extenuating circumstances.

Credit/Audit Registration

When you enroll in a course for credit, you must attend class regularly, complete assignments and take examinations. If space is available, you may register for a course as an audit without credit or grade. Audit indicates that you have a seat in the class, but may or may not have participated in class activities. You may change your status from credit to audit or audit to credit until the last day to make registration changes for the semester. You must file a "Drop/Add" form with the Registrar's Office. If you fail to meet the audit requirements established by the instructor, you may be assigned a final grade of 'W'.

Dropping and Adding Courses

After the priority registration period ends for continuing students through the end of open registration, you may drop or add courses on a space available basis. This can be done in person or by telephone. Courses dropped before the 10th day of the semester are not recorded on your transcript.

You may drop or add classes from the end of the open registration period until the last day to make registration changes for the semester (see Academic calendar). You must have instructor permission to add classes. You do not need instructor permission to drop classes. However, if you drop a class without returning university property, a hold is placed on your record and you are reinstated in the class. Courses dropped **after the 10th day of the semester are recorded with a grade of 'W'.**

Drops and adds must be completed with the Registrar's Office to be official. No drops or adds are accepted after the last day to make registration changes. Please see the *Directory of Classes* for detailed procedures and deadline dates.

Faculty Initiated Drops

A professor may drop you from a class for failure to attend class regularly or failure to meet course entrance requirements. Withdrawals for failure to attend class are processed through the office of the Vice President for Student Affairs. Withdrawals for failure to meet course entrance requirements are processed through the Registrar's Office. The instructor or department will notify the student of impending action before requesting the withdrawal. The appropriate office must receive requests for withdrawal at least two weeks before the last day to make registration changes for the semester.

Withdrawal from the University

Complete Withdrawal

If you wish to drop all of your classes, you must request a complete withdrawal through the Office of Student Special Services. If you are physically unable to come to the university, you may initiate your withdrawal by telephone or by mail. Student requests for complete withdrawal are allowed until the last day to process registration changes for the semester (see Academic Calendar for exact date). Grades of 'W' are recorded for all classes dropped after the 10th day of the semester. If you leave the university during a semester without withdrawing, you will receive final grades of 'F' in all courses. It is not necessary to withdraw from the university after a semester is over if you do not plan to return the following semester. After you withdraw from the semester, you may not petition for re-registration for the semester except in extreme situations approved by the University Appeals Committee.

Administrative Withdrawal

You may be administratively withdrawn for unpaid financial obligations (e.g., bad checks, library fines, overdue loans, bookstore or housing accounts), falsification of admissions application or other university records and registration without reinstatement from the University Appeals Committee; failure to respond to an official summons or exhibiting behavior that constitutes a clear and present danger to yourself and others.

Course Requirements

Class Attendance

You are responsible for attendance in courses for which you are enrolled. No absences, whether approved by the university or necessitated by illness or other personal emergency, are "excused" in the sense of relieving you of the responsibility to arrange with the instructor to make up work missed.

Course Prerequisite

You must complete prerequisite courses listed in the catalog course description or *Directory of Classes* with a grade of 'C' or higher prior to

enrolling in the course. The department offering the course may waive certain prerequisites based upon your background or experience. Requests must be justified based upon background, education or experience.

Admission to Upper Division

Upper division courses (300 and 400 level) are open to students who have completed the stated course prerequisites and at least 58 credit hours of college work. Sophomore students may enroll in upper division courses with the permission of the department if they have met course prerequisites. Some academic programs require that you be formally admitted to the major before you can enroll in upper division courses. For individual college/department admission, please refer to the specific college/department section of the catalog.

Final Examinations

The *Directory of Classes* publishes a final examination schedule each semester. Final exams are scheduled during the official time slots. Exceptions are allowed only on an individual basis to be arranged between the faculty member and the student. No examinations will be given during the week before final exam week except those in lab, performance and evening division courses where necessary.

Grading and Academic Progress Standards

Grading System

Boise State University uses a 4.0 grading scale.

A	Distinguished work: 4 quality points per credit hour
B	Superior work: 3 quality points per credit hour
C	Average work: 2 quality points per credit hour
D	Pass but below average work: 1 quality point per credit hour
F	Failure: 0 quality points per credit hour
P	Pass: Credit earned but no quality points; does not affect GPA; indicates satisfactory work of C or higher
I	Incomplete: No credit or quality points earned until grade is assigned
W	Withdrawal: No credit or quality points earned
AUD	Audit: No credit or quality points earned
NR	No record: No credit or quality points earned until a grade is assigned

Computation of Grade Point Average

In computing the overall cumulative Grade Point Average, all courses (including transfer courses) with grades of A, B, C, D or F are used. F's earned in Pass/Fail courses are used in GPA calculation. If a course is repeated to improve a grade, only the last grade and credit are used in GPA calculation. The quality points are multiplied by the credits for the course. The total quality points are divided by the total number of credits attempted. BSU GPA is calculated using only credits attempted at Boise State University. Semester GPA is calculated using only credits attempted in a specific semester.

Dean's List

To receive Dean's List recognition, you must complete 12 or more credit hours of gradable credit (excluding P) in a given semester and receive a GPA of 3.50 or higher for that semester. If you have a GPA of 3.50 to 3.74 you will receive an "Honors" designation; 3.75 to 3.99 GPA receives a "High Honors" designation and a 4.0 GPA receives a "Highest Honors" designation.

Repeat of Course

You 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. You will receive degree credit only once, but both grades appear on your transcript. In computing the GPA, only the last grade and quality points are used.

Incomplete Grades

Instructors can give a grade of incomplete ('I') to you if your work has been satisfactory up to the last three weeks of the semester and there are extenuating circumstances that make it impossible for you to complete the course. You must make up the work by mid-semester of your next semester of attendance or you may request an extension of time to complete the course. You may also request that the incomplete be changed to a 'W'.

Academic Probation and Dismissal

The university maintains minimum GPA standards that you must meet. If you do not meet them, you will be placed on academic probation and may be subject to dismissal. The table below shows the minimum cumulative BSU GPA you must earn to remain in good academic standing. Note that the table is based upon the total cumulative credits you have earned (including transfer and nontraditional credits).

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

If you do not have the appropriate GPA as shown above, you will be placed on probation. At the end of your next semester of attendance, one of the following actions will be taken:

1. If your cumulative BSU GPA meets the requirements of the table (shown above), you will be removed from probation.
2. If your cumulative GPA does not meet the requirements of the table (shown above), but your semester GPA is 2.00 or higher, you will remain on continued probation.
3. If your cumulative BSU GPA does not meet the requirements of the table (shown above), and you did not earn a semester GPA of 2.00 or higher, you will be dismissed from the university. Transfer students

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

While you are on probation, you may be ineligible to participate in university-sponsored extracurricular activities and for financial aid. See the Student Handbook for information about eligibility for extracurricular activities. See the Financial Aid section of this catalog for financial aid eligibility. If you leave the university while on probation, you will remain on probation when you return, even if you have attended another institution in the interim.

If you are dismissed from the university, you may not enroll again for one year following the first dismissal and for two years following any subsequent dismissal. If you wish to appeal this waiting period, you must do so in writing to the University Appeals Committee. Forms for such appeals are available in the Registrar's Office or the Office of Student Special Services.

Transfer Credit and Advanced Placement

Transfer Credit

Boise State University accepts academic college level credit from institutions accredited by the regional accrediting associations as reported in Accredited Institutions of Post Secondary Education.

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 academic department. Students may petition for acceptance of this credit after completion of 15 credits at Boise State with a minimum cumulative GPA of 2.00.

Boise State University evaluates transcripts on a course-by-course basis and determines equivalency to BSU courses. College level courses that are not equivalent to Boise State University courses are accepted as elective credit. The State Board of Education has determined that no more than 70 credit hours can be transferred from a community or junior college.

Students who transfer from College of Southern Idaho, North Idaho College or Treasure Valley Community College with an associate of arts or associate of science degree or from Ricks College with an associate of arts and science degree granted spring 1989 or after and who have met the general education core requirements outlined in the Idaho Statewide Articulation Policy do not need to complete any additional lower division general education core requirements. Students transferring from University of Idaho, Idaho State University or Lewis-Clark State College who have been certified as having met the core at that institution do not need to complete any additional lower division general education core requirements. All other transfer students are evaluated on a course-by-course basis for core completion.

Transfer of Vocational Technical/Academic Credit

Vocational/technical credits from regionally accredited or state of Idaho approved vocational technical schools are accepted in transfer to technical programs with approval of the appropriate BSU technical department towards technical degrees (certificate, associate of applied science and bachelor of applied science programs).

Students may apply vocational/technical credit to academic programs as either specific department credit or elective credit as determined by the appropriate academic department and approval of the dean. Similarly, academic credit from a regionally accredited institution may be applied to technical programs as determined by the appropriate technical department and approval of the dean. No grade will be assigned and such transfer applies only to agreed upon degree program. If a student transfers from one program to another, the receiving department or division will evaluate the appropriateness of such vocational technical training, experience and/or course work.

Advanced Placement

Up to one-third of the total credits required for graduation can be earned through a variety of forms of advanced placement, nontraditional or experiential learning. Credit is available for satisfactory performance on approved national standardized examinations, departmental examinations and/or evaluations, military training and experience and other training programs recognized and evaluated by the American Council on Education.

A detailed list of all current advanced placement opportunities is available in the *Administrative Handbook* (BSU Policy 2305-B). The most frequently used options are summarized below:

College Level Examination Program (CLEP) Exams

The College Entrance Examination Board (CEEB) offers General and Subject Examinations through the College Level Examination Program (CLEP). The General Examinations measure college level achievement in five general areas and the material covered is comparable to general education courses at the college freshman level. You may satisfy a significant portion of your general university requirements (core) through CLEP General Examinations. CLEP scores and credit are recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled and have successfully completed 15 or more credits. CLEP General and Subject Exams are available through the Counseling and Testing Center.

CLEP General Exams: 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 test achievement in specific college subjects. You may earn either lower division elective credit or specific departmental credit for CLEP Subject Exams passed at the 50th percentile or above providing you have not already earned college credit for the same subject material. You may not use CLEP to improve a previous grade earned in a course. Listed below are the specific departmental credit available for acceptable CLEP Subject Exam scores. For exams not listed, lower division elective credit is awarded.

CLEP Exam Title	BSU Equivalent Course & Number of Credits
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 & Analytic Geom (5)
Introduction to Accounting (50)	AC 205 Intro to Fin Acctg+ AC 206 Intro to Manag Acctg (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)**	TE 225 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 Interm French (6)
College German Level 1 (43)	G 101-102 Elem German (8)
College German Level 2 (55)	G 201-202 Interm German (8)
College Spanish Level 1 (45)	S 101-102 Elem Spanish (8)
College Spanish Level 2 (55)	S 201-202 Interm Spanish (8)

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

** To receive credit for TE 225, the student must meet with the department chair (E-305) and receive a letter of authorization. This letter must be taken to the Registrar's Office, Adm. Bldg. Rm 102, and processed with the request for credit.

Advanced Placement (AP) Exams

Advanced Placement (AP) exams are administered nationally once a year, in May, primarily at participating high schools. They are the culminating exercise for high school students who complete honors or advanced courses that parallel standard college-level courses. You must score a three, four or five on the exam. Listed below are the specific departmental credit available for acceptable AP Exam scores. For exams not listed, lower division elective credit is awarded. AP credits are recorded with a grade of "P" (Pass) at the completion of the student's first semester.

A student may earn a minimum of two hours of college credit for each AP examination passed with a score of three, four or five. 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
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 230 General Botany & General Zoology (9)
Chemistry	C 131-134 College Chemistry (9)
Computer Science	CS 125 Intro Computer Science I (3)
English (score of 4)	E 101 English Composition (3)
English (score of 5)	E 101-102 English Composition (6)
Macroeconomics	EC 206 Prin of Macroeconomics (3)
French Level 3, Language	F 101-102 Elementary French (8)
French Level 3, Literature	F 201-202 Intermediate French (6)
German Level 3, Language	G 101-102 Elementary German (8)
German Level 3, Literature	G 201-202 Intermediate German (8)
European History	HY 102 Western Civilization (3)
American History	HY 151-152 U.S. History (6)
Mathematics, Calculus AB	M 204 Calculus & Analytic Geometry (5)
Mathematics, Calculus BC	M 204-205 Calculus & Analytic Geometry (9)
Listen/Literature of Music	MU 133 Introduction to Music (3)
Theory of Music	MU 201 Music Fundamentals (2)
General Physics	B PH 101 General Physics (4)
Government & Politics	PO 101 American National Government (3)
Spanish Level 3, Language	S 101-102 Elementary Spanish (8)
Spanish Level 3, Literature	S 201-202 Intermediate Spanish (8)

PEP Exams by ACT are similar to CLEP Subject Exams and test the achievement in specific college subject areas. You may earn lower division elective credit for each PEP exam passed with a score of 50 or above. Listed below are the specific departmental credits available for acceptable PEP Exam scores. For exams not listed, lower division elective credit is awarded. PEP subject exam credit is recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled and have successfully completed 15 or more credits.

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 295 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. It developed many college level courses examinations. The American Council on Education periodically reviews and evaluates these courses and examinations and formulates credit recommendations.

Boise State University awards general elective lower division credit for each USAFI exam passed at the 50th percentile or higher and awards credit for USAFI courses according to the recommendations listed in the American Council on Education Guide. Credits awarded for exams and courses are recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled and have successfully completed 15 or more credits.

DANTES was created in May 1974 after the USAFI program terminated. DANTES Examinations are primarily available to personnel on active duty in the Army, Navy, Air Force, Marine Corps and Coast Guard or the cadets and midshipmen of their respective academies. The Dantes Subject Standardized Tests (DSST's) are course achievement tests in college subjects. The American Council on Education (ACE) has reviewed and evaluated each DSST and has formulated credit recommendations. Boise State University will grant lower division elective credit as recommended by ACE for each DANTES course with a minimum acceptable score that is listed in the guide directory of DANTES Subject Standardized TESTS, June 1983 or later. Credits awarded for exams are recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled and have successfully completed 15 or more credits.

Other Training Programs Recommended for Credit by ACE

Boise State University accepts the credit recommendations for training programs listed in the *National Guide to Education Credit for Training Programs* (1984-85 or later editions) published by the American Council on Education or those listed in *A Guide to Educational Programs in Noncollegiate Organizations* published by the University of the State of

New York (1982 or later editions). Elective credit will be granted unless you request specific departmental course credit. In that case, the department chair will determine equivalency to appropriate departmental course(s). Credits awarded are recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled and have successfully completed 15 or more credits. A complete list of all current ACE approved noncollegiate educational programs is available in the Registrar's Office, Room 102, Administration Building. Information about these programs can be requested by calling (208) 385-3486.

Evaluation of Military Experience and Training

Academic credit is awarded for selected military training and experience. You must furnish a copy of your DD214, DD220 and/or similar official documents to the Registrar's Office. If you are requesting credit for an MOS after August 1983, you must also show that you have an SQT or STD of 60 or higher. An evaluator will identify those military experiences that meet the American Council on Education (ACE) specifications (1982 or earlier) and those listed in the *Guide to the Evaluation of Educational Experiences in the Armed Services* (1982 or later). Elective credit will be granted unless you request specific departmental course credit. In that case, the department chair will determine equivalency to appropriate departmental course(s). Credits awarded are recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled and have successfully completed 15 or more credits.

A complete list of all approved Military educational programs and credit is available in the Registrar's Office, Room 102, Administration Building. Information about these programs can be requested by calling (208) 385-3486.

If you have completed two or more years of active military service, you may request an evaluation by the military science department. Generally, enlisted personnel may be eligible for up to six credit hours in military sciences and commissioned officers may be eligible for up to eighteen credit hours in military science. Credits awarded are recorded on your transcript with a grade of "P" (Pass) if you are currently enrolled. Information about these programs can be requested by contacting the military science department.

Credit for Competency

Course Challenge: Boise State University allows students to challenge by examination certain courses based on past background, education and experience. Requests can be made through the department offering the course. Departments have the option of allowing or disallowing credit by challenge. Each department may establish and implement screening procedures to determine eligibility to take the challenge exam and may charge a fee for the exam. You may not use Challenge to improve a previous grade earned in a course.

In courses approved for challenge, the department has the option of using a standardized exam or a departmentally prepared exam. For the standardized exams listed previously in this section (CLEP, PEP, AP, etc.), you do not need to enroll in the course. To challenge a course using a departmental examination, you must submit a "Course Challenge-Credit by Examination" form and register for the course being challenged.

Departments will determine the grading allowed for each course challenged using departmental exams. Grades can be Pass/Fail or letter grade (A-F). Departments will inform students of the grading options available for the specific course prior to the administration of the challenge exam. You may not withdraw from a challenge after you have taken the exam unless the department specifically authorizes such a withdrawal.

Credit for Prerequisites not taken: If you have a sufficiently high GPA or ACT score, pass a departmental placement exam or have the approval of the department chair, you may take designated courses without completing the listed prerequisite(s).

For selected courses, students who receive a grade of 'C' or higher may be granted credit for the prerequisite course(s). After the final grade for the advanced course is officially recorded, the student may request credit for the prerequisite course. Department chairs and deans determine which course(s) can qualify for this credit. An examination covering the content of the prerequisite course may be required.

Graduation Requirements

General University Requirements

General university requirements (Core) refer to a selection of courses developed by the faculty at Boise State University to provide a broad educational foundation across many fields of study. You will gain your specific areas of expertise in your major courses and through core classes and you will increase your familiarity with other disciplines outside that specialty. This broad knowledge helps you in your chosen field by encouraging you to view ideas from a variety of perspectives and see interrelationships among different fields.

Core builds the base for your degree. To earn a baccalaureate degree requires completion of at least 128 credits. Core classes comprise one part of the degree, your major field of study another and the final part is in your minor or elective courses. Time spent taking core classes is equally important as time spent in your major. You should create a valuable and interesting foundation by choosing core classes that enhance your chosen field.

Core requirements vary according to the type of degree you select (see specific degree requirements, page 34-36). All degrees include English composition and courses selected from three areas of the liberal arts. Admission to certain majors depends in part on completion of core requirements.

English Composition

You can meet the English composition requirement in one of the following ways:

1. Complete E 101 and 102, English Composition
2. Complete E 111 and 112, Honors Composition

For information on placement into or exemption from English composition courses, see the department of English section, page 99 of this catalog or the current *Directory of Classes*.

In addition to completing the English Composition course requirements, you must also pass a Minimal Competency Exam. If you take English composition at BSU, you must pass the exam to receive a grade in the course. If you have taken English composition at BSU prior to Spring 1981 or if you have completed your English composition course work elsewhere, you must still take and pass the exam in order to graduate. You should plan to take it before your senior year. For more information about the Minimal Competency Exam, contact the Writing Program Office (208) 385-1423.

Area Requirements

Students in most baccalaureate degree programs must take 12 credits in each of the following areas of the liberals arts: Area I - Arts and Humanities, Area II - Social Sciences, and Area III - Natural Sciences and Mathematics. Course work must be chosen from at least three fields of study in Areas I and II and from at least two fields of study in Area III. Specific requirements for each degree and program of study are included under Specific Degree Requirements (page 34-36) and as part of the academic program listings (see index for page numbers).

The following courses satisfy area requirements. You must earn a grade of 'C' or higher in any course used to fulfill an area requirement.

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
MU 143 Survey of Western Art Music
PY 101 Introduction to Philosophy
PY 221 Introduction to Logic
R 201, 202 Intermediate Russian
S 201, 202 Intermediate Spanish
TA 107 Introduction to Theatre
NOTE: Only six 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 205 Principles of Microeconomics
EC 206 Principles of Macroeconomics
NOTE: Students who take EC 205 or 206 may NOT receive credit for EC 210.
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
NOTE: Students who take C 109 or C 133 may not receive credit for C 100
C 107 Essentials of Chemistry
C 108 Laboratory for Essentials of Chemistry
NOTE: Concurrent enrollment in the appropriate lecture is required.
C 109 Essentials of Chemistry
NOTE: Students who take C 109 may not receive credit C 100.
C 110 Laboratory for Essentials of Chemistry
NOTE: Concurrent enrollment in the appropriate lecture is required.
C 131 College Chemistry
C 132 Laboratory for College Chemistry
NOTE: Concurrent enrollment in the appropriate lecture is required.
C 133 College Chemistry
NOTE: Students who take C 133 may not receive credit for C 100.
C 134 Laboratory for College Chemistry
NOTE: Concurrent enrollment in the appropriate lecture is required.
EN 100 Energy for Society
GO 100 Fundamentals of Geology
NOTE: Open to all students except those with previous credits in Geology, Earth Science majors or non-science majors who plan an eight-hour sequence in Geology.
GO 101 Physical Geology
GO 103 Historical Geology
M 100 Mathematics for Liberal Arts Students
M 105, 106 Mathematics for Business Decisions
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 111, 112 Human Anatomy & Physiology
Z 230 General Zoology

Credit Requirements

All students receiving degrees must meet requirements of the specific degree and major sought.

All Baccalaureate Degrees

1. **Total Credits:** Total credits required for graduation must equal or exceed 128 including:
   a. English composition (3 - 6 credits)
      NOTE: Number of required credits is determined by student score on ACT exam. See General University Requirements (Core) for details.
   b. upper division credit hours (40 credits)

2. **Credits in Residence:** The last 30 credits prior to graduation must be taken at BSU.

3. **Requirements for Additional Baccalaureate Degree:**
   a. A minimum of 30 additional credits of resident work beyond those completed for the first degree are required for each subsequent degree
   b. Satisfaction of upper division requirements in the major as specified by the department and approved by the dean of the college granting the additional degree
   c. Satisfactory completion of other requirements of the university as specified by the department and approved by the dean of the college granting the additional degree

   University core requirements are not required for additional baccalaureate degrees unless they are specific requirements of the major.

4. **Requirements for a Double Major:** Students can earn a single baccalaureate degree with more than one major if they satisfy all requirements for each major as specified by the department and approved by the dean of the college granting the additional major.

5. **Extension and Correspondence Courses:** A student may earn up to 32 credits in any combination of extension and/or correspondence courses toward the required credit hours for graduation. Academic departments may impose restrictions on how credit applies toward major requirements. Extension and correspondence courses must be completed and the transcript filed with the Registrar before mid term of the semester in which the last 30 credit hours in residence begins.

6. **Experiential Learning:** Students may earn up to one-third of their total credits required for graduation in a combination of all forms of experiential learning (portfolio, challenge, CLEP credit, AP credit, DANTES credit, PEP credit, Credit for Prerequisites not Taken, ACE Guide credit, etc.) No more than one quarter may be earned in portfolio credit. Credits earned through any form of experiential learning will not count toward the graduation residency requirement. For more information about experiential learning, see page 39 of this catalog.

7. **Independent Study and Internship:** A student may apply up to nine credits of Independent Study and up to 12 credits of Internship toward graduation. Academic departments may impose restrictions on how credit applies toward major requirements.

8. **Telecourses:** Each telecourse (course number 299) carries college credit that fulfills general elective requirements only. No more than 12 credits of telecourses can apply toward graduation requirements.

9. **Fitness Activity Courses:** Students may have up to eight credits of Fitness Activity courses counted toward graduation.

10. **Religion Courses:** Up to eight credits of nonsectarian religion courses from regionally accredited colleges or universities may be accepted as general electives.

11. **Undergraduate Enrollment in 500-level Courses:** Undergraduate senior student may apply up to a total to two five 500-level courses toward the credit requirements for an undergraduate degree. Five hundred-level courses may be applied to the required 40 hours of upper division credit. To be eligible for this, a student must complete a "Permit for Seniors to take Graduate Courses" form, available in the Registrar's Office, Room 102.

Grade Requirements

1. **Overall Grade Point Average:** Grade point average for all courses taken must equal 2.00 or higher.

2. **No 'D' Rule:** No credit will be allowed for any grade of 'D' in an upper division course required by the major.

3. **Graduation Honors:** Graduation honors are awarded to recipients of a first baccalaureate degree with cumulative GPA's of 3.50 or higher:

3.50 - 3.74	Cum Laude
3.75 - 3.94	Magna Cum Laude
3.95 - 4.00	Summa Cum Laude

Second degree recipients are ineligible for these honors. Honors are based on overall cumulative GPA. For commencement purposes (honor cords and listing in commencement program), honors eligibility is based on GPA at the end of the fall semester and may or may not accurately reflect the honors ultimately granted and recorded on the transcript.

Application for Graduation

Students must apply for graduation by filing an application form in the Registrar's Office. To be assured of a graduation evaluation before your last semester of enrollment, you should apply at least four semesters before intended graduation or upon completion of 70 credit hours. A $10 diploma fee is payable at the time of application.

Catalog Policy

Requirements for graduation are checked according to the requirements in a single edition of the university catalog. You can select any catalog published during their academic career if you were enrolled at BSU during its year of publication and the catalog is not more than six academic years old. You may not combine programs from different catalogs.

Bachelor of 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 Arts & Humanities Requirements 12
   A. Three credits in Literature
   B. Three credits in a second field

C. Three credits in a third field
D. Three credits in any Area I field

3. Area II Social Sciences Requirements.....12
   A. Three credits in History
   B. Three credits in a second field
   C. Three credits in a third field
   D. Three credits in any Area II field
4. Area III Natural ScienceMathematics Requirements 12
   A. A year's sequence chosen from:
      Biological Sciences
      Mathematics
      Physical Sciences
      NOTE: The Physical Sciences include courses in Chemistry, Geology, Physical Science and Physics.
      With additional credits from a field other than that chosen to satisfy the sequence requirement
      OR
   B. Any three of the following courses except no more than two from a single department:
      1) Biology—Concepts of Biology
      2) Chemistry—Concepts of Chemistry
      3) Geology—Fundamentals of Geology
      4) Mathematics—Mathematics for Liberal Arts Students
      5) Physics, Engineering and Physical Science
         a) Energy for Society
         b) Introduction to Descriptive Astronomy
         c) Foundations of Physical Science
5. Students seeking the B.A. degree must have an additional nine 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
	Social Work
	Sociology
Geography	Teacher Education
History	Theatre Arts
Humanities	

6. Departmental major

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 Arts & Humanities Requirements 12
   Three fields must be represented
3. Area II Social Sciences Requirements.....12
   Three fields must be represented
4. Area III Natural Sciences—Mathematics Requirements.....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) BiologyConcepts of Biology
      2) ChemistryConcepts of Chemistry
      3) GeologyFundamentals of Geology
      4) MathematicsMathematics 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
5. Students seeking the B.S. degree must have an additional nine 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 Arts & Humanities Core Requirements 6
3. Area II Social Sciences Core Requirements.....12
   Economics 6
   Area II credits other than in Economics 6
3. Area III Natural Sciences & Mathematics Core 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
   Energy for Society, EN 100
   Fundamentals of Geology, GO 100
   Foundations of Physical Science, PS 100
   Introduction to Descriptive Astronomy, PH 105
5. An additional 16 (19 hours for accounting majors) 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). Telecourses cannot be used to fulfill this requirement.

Area I Disciplines	**Area II Disciplines**
Art	Anthropology
Foreign Language	Communication
Literature	Geography
Humanities	History
Music	Political Science
Philosophy	Psychology
Theatre Arts	Social Work
Area III Disciplines	Sociology
Biological Sciences	Teacher Education
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 Area & Humanities Requirements 9
   - Literature 6
   - Other courses 3
   - No fewer than 3 credits selected from:
     - Introduction to Humanities
     - Intro to Music
     - Introduction to Philosophy or Ethics
     - Intro to Theatre
     - Foreign Language (201 or higher of one language)
3. Area II Social Sciences Requirements 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 Natural Science—Mathematics Requirements 8
   - A. A year's sequence chosen from the following:

     Biological Science — Physical Science
     Mathematics

     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. Candidates for the B.F.A. degree must have their art advisor's approval during their junior year and must maintain a minimum 3.00 grade point average in both art and core courses.

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 Arts & Humanities Requirements 9
   - Literature 3
   - Three credits in a second field 3
   - Three credits in any of the following fields 3

     Art—AR — Music—MU
     Humanities—HU — Philosophy—PY
     Literature—E — Theatre Arts—TA
3. Area II Social Sciences Requirements 9
   - History 3
   - Three credits in a second field 3
   - Three credits in any of the following fields 3

     Anthropology—AN — Political Science—PO
     Communication—CM — Psychology—P
     Economics—EC — Social Work—SW
     Geography—GG — Sociology—SO
     History—HY — Teacher Education—TE
4. Area III Requirements
   - Foreign Language and Area III Requirements 8
     - A. Performance and Theory—Composition Majors:
       A year's sequence of a foreign language 8
     - B. Music Education Majors:
       A year's sequence of a foreign language 8

       OR

       A year's sequence chosen from:
       - Biological Sciences
       - Mathematics
       - Physical Sciences

       OR

       Any two of the following courses:
       - Concepts of Biology
       - Concepts of Chemistry
       - Fundamentals of Geology
       - Foundations of Physical Science
       - Mathematics for Liberal Arts Student
       - 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 Arts & Humanities Requirements 12
   - Three fields must be represented
3. Area II Social Sciences Requirements 12
   - Three fields must be represented
4. Area III Natural Sciences—Mathematics Requirements 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 (B.A.S.) degree in a 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:

Technical education courses	42 credits
Technical support courses	10 credits
General education courses	12 credits
Total	64 credits

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

Admission to the bachelor of applied science degree is obtained from the dean of the College of Technology.

1. 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 Arts & Humanities Requirements 12
   Three fields must be represented
4. Area II Social Sciences Requirements 12
   Three fields must be represented
5. Area III Natural Sciences and Mathematics Requirements 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 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 nine credits chosen from upper division courses in any of the following disciplines: (Social Science and Natural Sciences-Mathematics must be represented).

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

7. Upper Division Electives 13
   NOTE: Students seeking the B.A.S. degree must earn a minimum of 22 upper division credits.

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
Area I including Literature	12
Area II including History	12
Area III	8
Major Requirements	12
Electives	14 or 17
TOTAL	64 credits

Entrance into this program by an off-campus student will be through a signed agreement by the student, department chair 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 or her 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.

Associate of Science

Associate of science degrees are granted in the following majors: Criminal Justice Administration, Nursing, Medical Record Technology, Respiratory Therapy and Radiologic Technology.

The associate of science degree does not meet university core requirements nor does it comply with the state wide transfer articulation agreement.

Associate of Applied Science

Some programs in the College of Technology lead to an associate of applied science (A.A.S.) degree. The standard requirements for this degree are as follows:

1. Technical Education Requirements: 56 credit hours or equivalent clock hours.
   A. Technical course work: 42-46 credit hours or equivalent clock hours.
      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
   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
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: All candidates for the associate of applied science degree must have a minimum of a 'C' grade in the Technical

Education Requirements (Technical course work and Technical support course work). A 2.0 grade point average is required in all other required course work.

4. Minimum credit hours in residence: except for Apprenticeship and Fire Service Technology programs, the last 15 credit hours, not less than six of which must be in technical course work required for the major, must be taken at the university during regular or summer sessions.

Technical Certificate

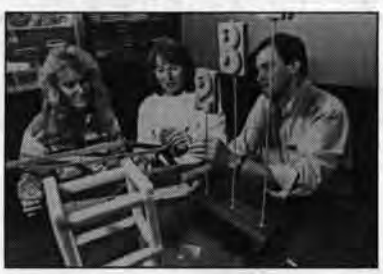
A Technical Certificate is granted upon completion of nine- or 11-month programs from the College of Technology.

Minors, Certificates, Endorsements

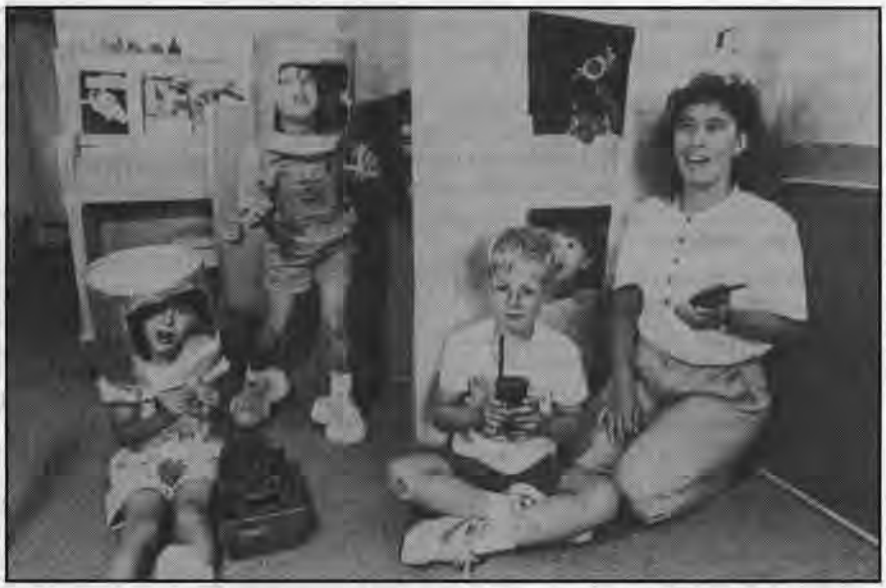
Minors and certificates are available in selected fields as are minor teaching emphases in secondary education programs. The following is a list of approved minor and certificate programs. Requirements are listed with the appropriate school or college. See page 48-50 for requirements for the Canadian Studies, Gerontology, Legal Assistant and Technical Writing minor/certificate programs. For a minor to be officially noted on the transcript, all course work must be completed prior to award of degree. Certificates will be noted once official notification is received that all course work is complete.

Accounting
Advanced Technical Communication
Alcohol/Drug Studies
Anthropology
Art
Biology
Business
Canadian Studies
Chemistry
Communication
Computer Information Systems
Construction Management
Economics
English
Environmental Studies
Finance
French
German
Gerontology
International Business
Latin Language & Literature
Legal Assistant
Mathematics
Multi-Ethnic Studies
Music
Native American Studies
Philosophy
Physics
Political Science
Psychology
Spanish
Technical Communication
Theatre Arts

Minor endorsements in secondary education programs are for certification purposes only and are not noted on the transcript.



Dean: William J. Jensen
Boise State University
Division of Continuing Education
Offices located in the BSU Library - Second Floor
(208) 385-3706



Statement of Purpose

The goal of the Division of Continuing Education at Boise State University is to meet the educational needs of virtually all citizens in southwestern Idaho. By offering academic courses at several off-campus locations, during evening and weekend hours and by utilizing new broadcast technology, Continuing Education classes accommodate the schedules of busy adults.

The Division of Continuing Education serves a wide geographic range encompassing 10 southwest Idaho counties, from New Meadows on the north, Glenns Ferry on the east, the Nevada border on the south and the Oregon border on the west.

In addition to credit courses, Continuing Education offers a variety of noncredit seminars, short courses and workshops. Credit and noncredit courses can be designed to meet the educational 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 the Division of Continuing Education. Graduate, undergraduate and noncredit programs are presented in several time blocks on campus. There are two five-week blocks, an eight-week session and a 10-week session. Contact the Division of Continuing Education/ Summer Sessions at (208) 385-3293 or 385-3706 for more information. The summer Directory of Classes is available to students in April.

Weekend University

A large selection of academic classes is offered during weekend hours to allow students more flexibility and diversity in scheduling their university classes. Weekend classes are especially appealing to working adults as well as persons in the community and full-time students on campus. Courses are scheduled on Friday evenings and in two time blocks on Saturdays. For more information about Weekend University, contact the Division of Continuing Education at (208) 385-3295.

Off-campus Centers

Several locations within southwest Idaho serve as "mini campuses" for Boise State University classes. A wide range of academic courses is offered at each location, including BSU Core courses. Course requirements for the associate degree in social sciences are offered at all sites. Classes are offered primarily in the evening, with most locations serving as receive sites for ITFS (interactive television) classes. Individual course schedules are available at all off-campus centers for each semester. Advising, registration, book sales and library services are available at the off-campus centers. Off-campus locations include:

Canyon County Campus
2407 Caldwell Boulevard, Nampa, Idaho 83651; (208) 467-5707, (208) 385-4704 or (208) 385-3492
The newly expanded center is fully staffed and offers lower and upper division academic courses as well as course offerings in Business, Teacher Education, Health Sciences and other areas. The Canyon County Center is an ITFS site. Courses follow the same schedule as on campus.

Centennial High School
4600 E. McMillan, Meridian, Idaho 83642; (208) 385-3492
In cooperation with the Meridian School District, academic courses are offered during fall and spring semesters at this location in the evening, following the on-campus schedule.

Southwest Boise Campus at Gowen Field
(208) 389-5884 or (208) 385-3293
Classes offered at Gowen Field are open to military personnel and the general public. A full range of lower division and upper division courses is available. The Gowen Field schedule follows the regular university schedule. ITFS classes are broadcast to Gowen Field.

McCall
Classes are held at McCall Donnelly High School
(208) 634-3957 or (208) 385-3492
Academic courses meet for 12 weeks during fall and spring semesters at McCall-Donnelly High School and Cascade High School. Basic academic classes, computer courses and classes of general interest are offered in the evening.

Mountain Home Air Force Base
(208) 828-6746 or (208) 385-3293
Academic courses leading to a bachelor or associate degree as well as undergraduate and graduate, credit and noncredit programs are offered to military personnel, their dependents and members of the community in the Mountain Home area. Most classes are held on a twelve-week format to allow students the flexibility of taking more classes. The air base is an ITFS site.

Telecommunications

Through the use of modern technology, BSU is able to increase off-campus offerings. Courses are disseminated via the following modes:

ITFS (Interactive Television for Students): Live, interactive instructional television courses utilizing one-way video and two-way audio are broadcast to numerous locations throughout Idaho including: Canyon County, Mountain Home Air Force Base, Gowen Field, the Len B. Jordan Building (downtown Boise), Ada County Library and selected hospitals and corporations throughout the Treasure Valley. Selected classes are broadcast live from the BSU campus to these locations

where students are able to interact with the on-campus class over an open telephone line. Phone (208) 385-1709 for more information.

Televised Courses (Idaho Educational Public Television/KAID TV Channel 4): Various courses are offered over public television each semester, allowing students the convenience of receiving BSU credit at home. Telecourses feature a combination of televised lectures, textbook readings and fulfill BSU Core and elective credits. Letter graded and Core courses require some on-campus attendance. For more information, call (208) 385-1709.

Computer Conferencing: Asynchronous computer conferencing (instruction utilizing computer, modem and telephone lines) allows students throughout the United States to participate in BSU classes. A master's degree in instructional and performance technology is available using computer conferencing technology. For more information call (208) 385-1709 or see Graduate Catalog for course offerings.

Correspondence Study in Idaho

The Division of Continuing Education is the point of contact in the Boise area for the statewide correspondence study program. Materials are distributed and tests are proctored through Continuing Education at BSU. The program is 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 College and Idaho State University. For more information, call (208) 385-3293.

International Programs/Studies Abroad

Academic travel opportunities to a variety of countries are offered through the Boise State University International Programs/Studies Abroad Program. Semester or year-long programs are offered to London, England; Avignon and Pau, France; Cologne, Germany; Siena and Turin, Italy; Santiago, Chile; Tokyo, Japan and San Sebastian, Spain. Summer campuses are located at St. Jean-de-Luz, France; San Sebastian, Spain; Morelia, Mexico; Brighton, England; Tokyo, Japan and a Chicoutimi, Quebec, Canada. Local home stays and balanced curriculum enhanced by frequent field excursions create a rich cultural and academic experience for BSU students. Students receive Boise State University credit for studies in these programs. Scholarships are available. For more information, call (208) 385-3652.

Several short-term study tours to locations in Europe, other areas of the United States and Asia are offered at various times of the year. For more information on study tours, call (208) 385-3295.

Prior Learning Portfolio Program

Credit for prior learning experiences (often referred to as "experiential learning") is possible through development of a formal, professional quality, written portfolio. The portfolio will outline, in depth, the learning gained outside the college classroom and show the relationship to college level learning. Assessment of portfolios and credit recommendations are determined by the academic department in which the credit is being requested. Each department shall have the option to allow or not allow credit through the portfolio process.

A one credit six-week workshop that discusses all options for obtaining prior learning credit and helps students determine if portfolio development is a viable option for them is offered each fall semester. Students completing the portfolio will do so with the assistance of the portfolio advisor. For additional information, call (208) 385-3492.

Corporate Relations

A Corporate Relations Program has been established by BSU Division of Continuing Education in response to the needs of local corporations. Services provided for local corporations include educational programming, on-site registration, on-site courses and assistance with billing procedures. Call (208) 385-1689 for more information.

In-Service Program for Teachers

See Graduate Catalog for information regarding continuing education opportunities provided for educators and school districts, or phone (208) 385-3191. A full complement of workshops for educators and others are offered each summer. For a summer workshop schedule, call (208) 385-1702.

Asia University America Program

Boise State University has established an exchange program with Asia University in Tokyo, Japan. Each year over one hundred Japanese college students live in the BSU residence halls, attend English classes and learn about American culture. Each group of 50 students attends BSU for five and one-half months.

CEU/Certificate Programs

A Continuing Education Unit (CEU) is a nationally standardized unit of participation in noncredit programs, courses or workshops. CEU's are used for professional development, self-enrichment or general education. Transcripts can be provided to employers and others as verification of completion. There is no relationship between CEU's and university credit. The two are NOT interchangeable. For more information, call (208) 385-3492.

Credit and noncredit programs that offer certificates of completion are available as necessary. Currently the following certificate and/or noncredit programs are available through the Division of Continuing Education:

Addictions Counselor Training Program: Individuals interested in working in the area of drug and alcohol addiction counseling have the option of participating in this program for either academic credit or CEU's. In association with the Idaho Alcohol and Drug Counselor Education Project, the ACT program is designed to assist students in meeting the educational requirements for becoming certified chemical dependency technicians and credentialed alcohol and drug counselors. Required course work is offered during the regular BSU semesters. For more information, call (208) 385-3492.

Graduate Preparation Courses: Assisting students preparing for graduate school is the focus of these noncredit short term classes. Students required to take the GRE (Graduate Records Exam), the GMAT (Graduate Management Admissions Test) or the LSAT (Law School Admissions Test) can call (208) 385-3492 for more information about classes to help them prepare for these exams.

National Student Exchange Program

The National Student Exchange Program is a consortium of over 100 state-supported colleges and universities that allows students to exchange for a maximum of one 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 BSU student; (2) have sophomore or junior standing during the exchange and (3) have a minimum GPA of 2.5.

Additional information and application materials may be obtained from the national student exchange coordinator in the Student Activities Office, Student Union Building, or call (208) 385-1280.

College of Arts and Sciences

Interim Dean: Phillip M. Eastman, Ph.D.
Telephone: (208) 385-1414

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 and 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 noncredit 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—Art, Graphic Design, Illustration, Music and Theatre Arts;
   Humanities—English, French, German, Philosophy, Spanish and
   Sciences—Biology, Chemistry, Computer Science, 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, Graphic Design and Illustration), and the bachelor of music (in Music Performance, Music Education and Music Theory and Composition).

2. To offer programs of study leading to the master's 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 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 Catalog*.
3. Minors: Offer programs of study leading to minors in Art, Biology, Chemistry, English, French, German, Mathematics, Music, Philosophy, Physics, Spanish and Theatre Arts. See respective department for the specific requirements.
4. Offer undergraduate preparation in Pre-forestry and Wildlife Management and Pre-architecture.
5. Offer elective and service courses for students majoring in other colleges or schools.

Activities

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

The biology department is affiliated with the World Center for Birds of Prey, a research and breeding center for raptors located near Boise. Boise State University is the host institution for the Raptor Research and Technical Assistance Center.

The theatre arts department is affiliated with the Idaho Shakespeare Festival and the Idaho Dance Theatre.

The Hemingway Western Studies Center (HWSC) works together with various university departments and organizations to co-sponsor exhibitions, symposia, performances, plays and films. The HWSC also sponsors an annual national book competition and has been designated by the Library of Congress as the Idaho Center for the Book, initiating and coordinating statewide book-related exhibitions and events.

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.

College of Business

Dean: William N. Ruud, Ph.D.
Associate Dean: Patrick W. Shannon, Ph.D.
Telephone: (208) 385-1125
FAX: (208) 385-3637

Director of Graduate Studies: David F. Groebner, Ph.D. Director of Research, Grants and Contracts: Michael Bixby, J.D.
Director of College of Business Student Services Center: Janet M. Centanni, M.Ed.
Director of Information Technology: Allen Schmoock, M.B.A.

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:

Idaho Business and Economic Development Center: Ronald Hall, Director
Center for Economic Education: Gerald F. Draayer, Director
Center for Management Development: James A. Acee, Director

The primary mission of the College of Business is to educate students and professionals for business leadership in a global economy. This mission and the expectations inherent in the College's designated leadership role in business and economics by the State Board of Education require programs of increasing quality in instruction, basic scholarship, applied scholarship, instructional development and service.

Accreditation

The College of Business is accredited by the American Assembly of Collegiate Schools of Business (AACSB) at both the undergraduate and graduate levels. This is a distinction held by approximately 25 percent of the 1,200 institutions that grant business degrees nationally.

The College of Business also received additional confirmation of the high quality of its baccalaureate accounting program when the AACSB granted initial accreditation to the accounting program. About 8 percent of accounting programs nationally have attained this recognition.

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, Janet M. Centanni, 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. Over $113,000 is distributed each year among College of Business majors. Students must submit the appropriate applications by March 1. Interested students should contact Student Financial Aid (208) 385-1664.

Student Organizations

Beta Alpha Psi, national accounting; Alpha Kappa Psi, national business fraternity; Data Processing Management Association, Association of Purchasing and Inventory Control; Omicron Delta Epsilon, economics; Financial Management Association, finance; Human Resource Association, management; Entrepreneur Club, management; Phi Sigma Epsilon, national marketing fraternity; and Ad Club, marketing, International Business Organization; 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 (B.B.A.) 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 B.A. or B.S. 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. Normally, the school's additional requirements for the business degree are concentrated in the last two years of a four-year program, with only a limited amount of work below the junior year. Department heads may authorize validation of lower division courses by certain techniques such as CLEP, departmental competency exams, articulation agreements, and/or special permission to enroll in higher level classes for which the course in question is a prerequisite. See the department chair for details.

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

Director: 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 B.A. degree majors in Economics: International Economics Emphasis; 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. Completion of these lower division Core courses with a grade of 'C' or better (or equivalent courses): English E 101-102, Mathematics M 105 or 111 and M 106 or 204, Economics EC 205-206, Accounting AC 205-206, Legal Environment of Business GB 202, Statistics PR-207
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 October 1 for spring semester and March 1 for summer or fall semesters

Bachelor Degree Programs

NOTE: The student will find under each major the particular course of study to follow. Where the designation "Core Electives" appears, refer to the allowed listing of courses in the General University Requirements (Core) section of this Catalog. Where the designation "Non-Business Electives" appears, lower or upper division courses are to be chosen in any discipline

other than those administered in the College of Business, but must include hours from at least two of the three defined areas: Area I, II or III. The designation "Free Electives" refers to those hours which may be earned in courses offered by the College of Business or other academic units.

Graduation Requirements: See the Baccalaureate Degrees section of the Catalog for a complete listing of these requirements for the B.B.A., B.A. and B.S. degrees. 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 with grades of 'C' or higher prior to GB-450, Business Policies, which is also a required Core course:

Management & Organizational Theory MG 301	Principles of Production Management PR 345
Principles of Marketing MK 301	Intro to Management
Principles of Finance FI 303	Information Systems IS 310

The one exception to this requirement is in the B.A. in Economics program as described in the catalog.

Business Minor

Students pursuing a Business Minor are required to register with the Student Services Center in the College of Business (B-203). A student pursuing a major other than business 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
Upon approval of the College of Business Student Services Center the student may substitute the two-semester mathematics sequence which is required in their major field.
Statistical Techniques for Decision Making I PR 207 3
Upon approval of the College of Business Student Services Center the student may substitute the statistical techniques class required in their major field.
Prin of Microeconomics EC 205 3
Prin of Macroeconomics EC 206 3
Intro Financial Accounting AC 205 3
Intro Managerial Accounting AC 206 3
Legal Environment of Business GB 202 3
Intro to Management Information Systems IS 310 3
Upon approval of the College of Business Student Services Center the student may substitute the computer literacy course required in their major field.

Upon completion of this set of classes, each with a grade of 'C' or better, the student must then earn a 'C' or better in any three upper division business classes for which the student has the specific prerequisites. At least two subject areas of business must be represented by the three selected classes.
Upper Division Business courses 9

College of Education

Dean: Robert D. Barr, Ph.D.
Associate Dean: Phyllis J. Edmundson, Ed.D.
Telephone: (208) 385-1134

Mission

The College of Education at Boise State University contributes to the well-being of the greater society by developing professionals who demonstrate the highest levels of knowledge and skills, who share our commitment to democratic values, and who are prepared to serve an increasingly diverse population; participating in the renewal of schools and other organizations through outreach activities, partnership, and technical assistance; promoting a commitment to lifelong learning, wellness, and personal excellence through example and access to information and experiences; advancing knowledge and translating knowledge into improved practice through scholarly inquiry; and advocating the policies and practices which support the healthy development of all members of society.

The College of Education accomplishes its mission through a shared commitment to advancing the principles and ideals of democracy, respecting students as individuals and as members of society, promoting collegiality and collaboration, establishing and maintaining high performance standards for faculty and students, demonstrating excellence in teaching, appreciating diversity, supporting lifelong learning, encouraging healthy lifestyles, expanding knowledge through varied modes of inquiry, integrating subject areas and ways of knowing, fostering the development of problem solving and critical thinking, and participating actively in the larger community.

Accreditation

The College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). This accreditation includes the basic and advanced levels of professional education programs offered at the institution. All teacher preparation programs have been 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). The Counseling and Testing Center is accredited by the International Associate of Counseling Services, Inc.

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.

Teacher Education Advisory Council

The Teacher Education Policy Council coordinates teacher education across the university and promotes collaboration across programs and departments. The council develops and recommends policy concerning

professional preparation programs to the dean of the College of Education. The council is appointed by the executive vice president and includes representatives from the College of Arts and Sciences, the College of Social Sciences and Public Affairs, the College of Education and professional educators. The deans nominate the representatives from their colleges to the executive vice president and the Dean of the College of Education nominates the professional educators. Council members serve three year terms. The council is chaired by the chair of the department of educational foundations, technology and secondary education.

Center for Educational/Multicultural Opportunities

Director: John H. Jensen, Ph.D.
Education Building, Room 211, Telephone (208) 385-1754

The center for Educational/Multicultural Opportunities coordinates external grants and contracts that relate to educational opportunities and student support services for minority, low-income, and first-generation college students. The center also provides leadership and support for recruiting students from underrepresented groups into teacher education. It assists with recruitment of faculty members who represent diversity, thus enriching the multicultural offerings in teacher education programs. The center works with faculty and others in the development of funding proposals.

Center for Economic Education

Education Building, Room 228, Telephone (208) 385-1193

The center for economic education is cosponsored by the College of Education and the College of Business and assists public schools in becoming more effective in teaching economics. The center is directed by a teacher from an area school on a joint appointment with the schools and the College of Education.

Office of Field Experiences and Program Evaluation

Director: Ram Singh, Ed.D.
Education Building, Room 305, Telephone (208) 385-1528)

The office of field experience and program evaluation provides service to the departments involved in teacher education by coordinating internships, observation experiences and student teaching with teacher education programs and the public schools. The office also administers follow-up studies of graduates of teacher education programs.

College of Health Science

Dean: Eldon H. Edmundson, Jr., Ph.D.
Telephone (208) 385-1678

The College of Health Science dedicates itself to providing educational programs of excellence which are grounded in multicultural multiethnic experiences. The college also is dedicated to providing the general student body and Boise State University service area with educational programs which increase awareness of healthy lifestyles. These goals will be achieved through collaboration and integration of the area's resources, including medical centers, public health agencies and health care professionals. Innovative program curricula, excellence in teaching and faculty scholarly activities are essential for achieving these goals.

The college takes great pride in its programs for:

environmental health	bachelor degree
general health science studies	bachelor degree
health information technology	2-year associate degree
health information management	bachelor degree
nursing	2-year associate degree & bachelor degrees
radiologic/imaging sciences	3-year associate & bachelor degree
respiratory therapy	3-year associate & bachelor degree

It also assists students who want to pursue fields in medicine, dentistry, physical therapy, physician assistant and other health professional degrees at other institutions. Graduate study is also available through the master's of interdisciplinary studies with emphasis on substance abuse, hazardous material management and health policy.

Cooperating Agencies

Boise State University provides students a unique opportunity to learn a health profession in a state-of-the-art regional medical center complex. This learning environment has as a foundation, a supportive relationship among public, private and nonprofit health agencies, thereby providing students dynamic education, research and community service opportunities. Through these cooperative relationships, students can interact readily with professionals and the public to address personal and environmental health care issues.

Examples of these community partners in health professional and community education include:

AT&T, Boise, Idaho
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 Oakes Health Care, Boise, Idaho
Hillcrest Care Center, Boise, Idaho
Idaho Department of Health and Welfare, 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
Mountain State Tumor Institute, Boise, Idaho
Nelson Institute, Boise, Idaho
Patient and Family Support Institute, Inc., Boise, Idaho
St. Alphonsus Regional Medical Center, Boise, Idaho
St. Joseph's Hospital, Inc., Lewiston, Idaho
St. Luke's Regional Medical Center, Boise, Idaho
St. Mary's School, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Medical Center, Boise, Idaho
Walter Knox Memorial Hospital, Emmett, Idaho
West Valley Medical Center, Caldwell, Idaho
YWCA (Battered Women's Unit), Boise, Idaho

Accreditation

The college's degree programs in nursing, respiratory therapy, radiologic sciences, health information management and environmental health have all received accreditation from their national professional accreditating agencies. This recognition provides students assurances that the program meets or exceeds the technical competencies that graduates need to achieve professional registration.

Student Advising and Program Admission

Each department provides specialized advising for students and is the initial contact point for determining classes and program admission criteria. Four programs; health information management, nursing, respiratory therapy and radiologic sciences also have limitations on the numbers of new students they take into their programs each year. Those specific program admission criteria can be obtained from the departments. Given the competition for these programs, students need to perform very well in courses required for admission into the program.

Center of Health Policy

The College of Health Science hosts a university wide Center of Health Policy. This Center works with our colleagues at Idaho State University, Lewis Clark State College and the University of Idaho in providing independent analysis of issued relating to health care in Idaho. The Center also provides an opportunity for students to participate in research and education activities about health policy development, health care reform issues, and how the state should position itself to meed the health care needs of its residents.

Rocky Mountain Center for the Study of Wilderness and Environmental Medicine

The college is also a partner, with the Family Practice Residency of Idaho in addressing health impacts to people recreating in outdoor environments or living in high risk toxic exposure areas. A major part of the Center's activities relate to educating the general public and health professionals about prevention, assessment, or treatment of incidents that may occur.

Multiculture/Multiethnic Diversity

The College of Health Science has a commitment to a diverse student and employee population and in providing opportunities for students, faculty and staff to expand their knowledge and awareness about cultural and ethnic diversity. One opportunity involves students and employees participating in a cooperative program with the Division of Continuing Education studies abroad program in Morelia, Mexico. In this program, students spend five weeks in Morelia during the summer studying Spanish and also the Mexican culture. The college has arranged internship opportunities for students to enhance their learning experience.

Program Advisory Boards

The college uses various advisory boards to help programs ensure that we provide high quality programs for our students and appropriate professional education programs for those health agencies in the BSU service area. The University/Community Health Science Incorporation, a coalition between Boise State University and the area health community to further health professional education and research in the BSU service area serves as a college-wide advisor. The Board of Directors consist of members from the area's regional medical centers, state health professional associations, area health professionals, area businesses and the general public. Each department has its own advisor board consisting of professionals, agency representatives and students.

College of Social Sciences and Public Affairs

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

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

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

The college offers 18 undergraduate, four graduate degree programs and four minors. Minors include Canadian Studies (see Interdisciplinary Programs), Classical Language (see History Department), Multiethnic Studies (see Sociology Department), and Native American Studies (see Anthropology Department). The college cooperates with other units of the university in planning and conducting public affairs programs for students and the public. The annual Frank Church Conference on Public Affairs is included among such activities, which brings distinguished national and international figures to the campus. The college also serves the people of Idaho by providing consulting services and research assistance on public policy issues.

The college'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 policy makers 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.

College of Technology

Dean: Tom L. MacGregor
Associate Dean: Sharon L. Cook
Telephone: (208) 385-1508

The Boise State University College of Technology provides a focused response to the technological and engineering-related education and training needs of the region. For Idaho to sustain a strong economy, the educational system must provide the tools and structure necessary for engineering and technical education. The College of Technology is designed to effectively address needs in these areas and to create an environment that attracts new industry and helps existing industry prosper. The college's role is consistent with the Boise State University mission to provide special emphasis in Applied Technology and, through joint efforts with other institutions, provide needed educational programs.

The programs and services offered through the College of Technology are in direct response to the needs of current and emerging 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 a diverse array of education and training programs, the college provides technical assistance to industry, applied research in technology, incubator-type activities and other programs that aid in the region's economic growth and development.

The master of science in instructional & performance technology and the bachelor of applied science programs are administered as separate program units within the College. Two departments compose the School of Engineering Technology (the department of construction management and engineering and the department of industrial technologies) delivering programs in Construction Management (B.S.); Manufacturing Engineering Technology (B.S.); Broadcast Technology (A.A.S.); Drafting Technology (A.A.S.); Electronics Service Technology (A.A.S.); Electronics Technology (A.A.S.); Manufacturing Technology (A.A.S.); Semiconductor Technology (A.A.S.); and lower division engineering. The college also administers a cooperative program with the College of Engineering at the University of Idaho for delivery of upper division and graduate engineering courses on the Boise State University campus.

The School of Applied Technology includes four educational cluster program Divisions: namely, Business Programs, Canyon County Center, Health and Services and Industrial/Mechanical. **Associate of applied science** (A.A.S) degrees are offered in Apprenticeship; Automated Industrial Technician; Automotive Technology; Business & Office Education (with options in Bookkeeping, Legal Secretary and Word Processing); Business Systems & Computer Repair; Child Care and Development; Culinary Arts; Fire Service Technology; Horticulture Service Technician; Industrial Environmental Technician; Machine Tool Technology; Mechanical Welding Technician; and Mid-Management. **Technical Certificates** are offered in Auto Body; Automotive Technology; Business & Office Education, Day Care Assistant; Culinary Arts; Dental Assistant; Electrical Lineworker; Heavy Duty Mechanics_Diesel; Industrial Mechanics/ Automation; Machine Tool Technology; Photocopy Technology; Practical Nursing; Recreational and Small Engine Repair Technology; Refrigeration, Heating and Air Conditioning; Respiratory Therapy Technician; Surgical Technology; Water/Wastewater Environmental Technology; and Welding and Metals Fabrication. A **Postsecondary Vocational Certificate** is offered in Farm Business Management and Professional Truck Driving.

Activity in the College also includes:
- Academic Skills Development
- Adult Learning Center
- Center for New Directions
- College of Technology Student Services
- Outreach Division

Certificates

The **Certificate of Completion** is a credential awarded for a technical program that does not meet the criteria of other technical certificates.

The **Postsecondary Vocational Certificate** is a credential awarded for completion of requirements in an approved technical program of instruction of at least 240 contact hours but normally less than 960 contact hours.

The **Technical Certificate** is a credential awarded for completion of requirements entailing at least one year (960 contact hours or 32 credit hours) but normally less than two years of full-time study.

Graduate College

Dean: Kenneth M. Hollenbaugh, Ph.D.
Math/Geology Building, Room 140
Telephone (208) 385-3647

Acting Graduate Admission Coordinator: Brian Newkirk
Math/Geology Building, Room 141
Telephone (208) 385-3903

Graduate programs at Boise State University were first offered in 1971. Today the Graduate College provides master's and doctoral degree programs that offer a variety of opportunities for qualified students to pursue advanced study and research under the mentorship of the Graduate Faculty. The reasons for enrolling in the Graduate College are as varied as the people who make up the graduate student population of nearly 4,000. Students enroll to prepare for academic or other professional careers, to continue the improvement of skills utilized in their employment, or to gain personal intellectual enrichment and professional development. Your decision to continue your education at the graduate level means that you will join other graduate students and faculty in the adventure of discovery: discovery of new understanding and information about your discipline; discovery of new skills and techniques; discovery of the excitement of intellectual achievement; and discovery of new friends and associates. The Graduate College and the Graduate Faculty are committed to providing the opportunity and the guidance to support your effort to achieve your academic goal.

Graduate Credit Options for Seniors:

1. **Graduate Courses for Undergraduate Credit.** BSU seniors may take up to two 500 level courses for Upper Division credit applied to their baccalaureate degree program. Determination of what constitutes a senior for the purpose of this policy is left to the Graduate Dean. (M.B.A. courses are excluded from this policy.)

2. **Graduate Courses Reserved for Graduate Credit.** A BSU 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 the student's senior year insofar as these credits will not prejudice his or her graduation during that academic year. Credits earned in this manner are "reserved" to count toward a graduate degree at BSU. (M.B.A. courses are excluded from this policy.)

The "Permit for Seniors to Take Graduate Courses" form necessary to reserve graduate credit for either option listed above is available in the Registrar's Office, Room 102, Administration Building.

Graduate Programs

Doctor of Education in Curriculum & Instruction
Master of Business Administration
Master of Science in Accounting, Taxation
Master of Arts in Communication
Master of Arts/Science in Education
Master of Arts in English

Master of Science in Exercise and Sport Studies
Master of Science in Geology
Master of Science in Geophysics
Master of Arts in History
Master of science in Instructional & Performance Technology
Master of arts/science in Interdisciplinary Studies
Master of Music
Master of Physical Education, Athletic Administration
Master of Public Administration
Master of Raptor Biology
Master of Arts in School Counseling
Master of Social Work
Master of Arts in Technical Writing
Master of Fine Arts in Visual Arts

The Master of science in Geology and the Master of Physical Education, Athletic Administration are cooperative degrees offered through Idaho State University based on course work taken at Boise State University.

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) Educational Technology, (6) Mathematics, (7) Reading, and (8) Special Education.

The Master of Music has two areas of emphasis: (1) Music Education, and (2) Performance/Pedagogy.

The Master of Public Administration Degree Program has two areas of emphasis: (1) General Public Administration and (2) Environmental and Natural Resources Administration.

Catalog

A graduate catalog describing these programs may be obtained from Graduate Admissions, Math/Geology Building, Room 141, Telephone (208) 385-3903.

Interdisciplinary Programs

Honors Program

Questions about the Honors Program should be directed to:

Honors Program Director
210 Communication Building
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 also 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 freshmen with a 3.5 high school GPA 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 GPA of 3.3 and a recommendation from a faculty member at Boise State University 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 may simply be asked to reapply after completing one semester at Boise State University.

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.

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 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 198 H, 298 H, 398 H, 498 H HONORS SEMINAR (1 credit)(F/S). A seminar involving interdisciplinary lectures and discussion for Honors students. Topics are selected by the students. Pass/Fail will be given rather than a letter grade.

HP 391 H PROSPECTUS PREPARATION FOR SENIOR HONORS PROJECT (1 credit)(F/S). The student will 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 is required of all students wishing to graduate with honors or distinguished honors. Such a project will 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.

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

Honors Graduation

Students may earn the distinction of Honors Program Graduate with Honors or Honors Program Graduate with Distinguished Honors. Three requirements apply: (1) the student's cumulative GPA must be a minimum of 3.3; (2) the student must accumulate 30 credits of Honors work; and (3) the student must complete a senior Honors project. If a student meets all three requirements, Graduation with Honors is automatically approved by the Honors Program Committee of the Faculty Senate. If a student meets one, but not both requirements (1) and (2), the student may request the awarding of the distinction by the Committee, which also decides on the awarding of any Graduation with Distinguished Honors. In any case, requirement (3) will not be waived.

Additional Academic Opportunities

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

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

Scholarships

The Honors staff assists students in applying for prestigious and lucrative graduate and undergraduate scholarships such as the Rhodes, Marshall, Truman, Rotary and Fulbright. The Rhodes and Marshall Scholarships pay fees and living allowances 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.

Bachelor of Interdisciplinary Studies Degree

The bachelor of Interdisciplinary Studies Degree (B.I.S.) 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 needs. 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 pre-professional 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 chair 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.

Canadian Studies Minor

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

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 Canadian Studies 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 Canadian Studies Minors.

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

AN 307	Indians of North America
AN 312	Archeology of North America
AN 409	Anthropology of Education

CM 300	Comm Issues, Industries & Inquiry in Canada
EC 317	International Economics
F 201-202	Intermediate French
F 303-304	Advanced Composition and Conversation
F 328	French Literature: Enlightenment, Romanticism, Realism
F 359	Twentieth-Century French Literature
F 376	French Civilization & Culture to 1789
F 377	Modern Francophone Civilization & Culture
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.

Environmental Studies Minor

The Environmental Studies Minor, consisting of 30-33 credits, is an interdisciplinary program that will provide the fundamentals of environmental studies. The minor allows students with traditional majors, such as those in the Sciences, Business, Liberal Arts and Education, to develop a separate environmental emphasis. Students must achieve a grade of 'C' or better in all courses counted toward the minor.

Required Courses 22

Intro to Geography GG 101 3
Conservation of Natural Resources GO 321 3
Environmental Politics PO 340 3
Physical Geology GO 101* 4
General Botany BT 130 4
Chemistry C 109-110 or C 133-134 5

One of the groups below: 8-11

Environmental Biology Group
- General Zoology Z 230 5
- General Ecology B 423 4

Environmental Geosciences Group
- Environmental Geology GO 370 3
- Two Geosciences courses from list below 6

Environmental Chemistry Group
- Organic Chemistry C 317, 319 5
- Quantitative Analysis C 211, 212
  or 3-4
- Intro to Biochemistry C 431

General Group
Three courses from the following four lists, no two from the same list:

Biology:
Ecology B 423, Applied & Environmental Microbiology B 415, Entomology Z 305, Vertebrate Natural History Z 355, Mammalogy Z 421, Ornithology Z 341.

Chemistry/Environmental Health:
Environmental Chemistry Z 422, Hazardous Waste Management EH 422, Water Supply and Water Quality Management EH 310, Air Quality Management EH 380.

Geosciences:
Climatology GG 331, Geomorphology GO 313, Environmental Geology GO 370, Oceanography GO 201, Hydrogeology GO 412, Physics of the Earth GP 300.

Political Science/Economics/Psychology:
American Policy Process PO 320, Public Administration PO 303, Natural Resource Economics EC 333, Environmental Psychology P 451.

*GO 101 is recommended. However, GO 100 may be substituted if completed with a grade of 'B' or higher.

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 knowledge-able 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
  or 4
- Concepts Human Anat & Phys Z 107
  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
- Aging: Social Policy & Programs SW 433 3
- Practicum in Major Fld Study 5
- Seminar in Major Fld Study 1

Total 21

* Lower Division required courses meet Core requirements.

Interdisciplinary Humanities

A more complete understanding 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, Social Sciences and Public Affairs, Business and Education 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 critical humanistic issues. 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 students who are not 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 examines the human imagination as a necessary constituent of each person's consciousness of lived experience, i.e., it analyzes the role that human imagination plays in making our everyday lives, private and social, livable, understandable and worthwhile. It explores the human need to create frameworks of values that allow 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 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.

Legal Assistant Program

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

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

Specific Requirements in the Major Field of Study (as specified by the academic department offering the major program)

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

Law-related courses (at least nine credits to be selected from the following courses)

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

Computer Literacy (at least three credits or evidence of computer literacy)

- Computer Applications IS 101 3
- Intro to Computers CS 109 3

Communication Skills (recommended, but not required)

- *Fundamentals of Speech Communication CM 111 3
- *Reasoned Discourse CM 112 3
- *Intro to Logic PY 221 3
- Technical Writing E 202 3
- Adv Technical Writing E 402 3

Management Techniques & Procedures (recommended, but not required)

- *Math Business Decisions M 105 4
- *Math Business Decisions M 106 4
- Intro Financial Accounting AC 205 3
- Intro Managerial Accounting AC 206 3
- Intro Business GB 101 3
- Business Ethics & Social Respon GB 360 3
- Elements of Management MM 105 3
- Management & Organ Theory MG 301 3
- Organizational Theory & Bureau Struct PO or SO 487 3

Governmental Institutions, Processes & Historical Background (recommended, but not required)

- *American National Government PO 101 3
- State & Local Government PO 102 3
- Intro Public Administration PO 303 3
- Legislative Behavior PO 312 3
- American Policy Process PO 320 3
- *History Western Civ HY 101 3
- *History Western Civ HY 102 3
- *U S History HY 151 3
- *U S History HY 152 3
- U S Constitutional History HY 336 3

Law-Specialty Courses (At least 24 credits of course work in special areas of law, procedure or process, including six credits of required law-specialty courses and 18 credits of course work selected from the alternative law-specialty courses must be completed within the Legal Assistant Program. Since these courses provide the practical skills that are utilized by the legal assistant, the tasks and responsibilities of the legal assistant will be emphasized. Also, in accordance with the ABA Guidelines, the law-specialty courses are to be taught by practicing lawyers who are specifically selected as adjunct faculty members. To the extent possible, in keeping within the ABA Guidelines, qualified legal assistants may assist practicing lawyers selected to offer law-specialty courses in a team-teaching arrangement relative to paralegal responsibilities.)

Admission to law-specialty courses will be restricted to those students who may be placed in any one of the following categories: (1) those students who have been accepted for enrollment in the Legal Assistant Program and who have completed the general university requirements, including at least nine credits of law-related courses and evidence of computer literacy; (2) those students who have attained a baccalaureate degree in any area, but including at least nine credits of law-related courses and evidence of computer literacy, and have been accepted for enrollment in the Legal Assistant Program; (3) those persons who have completed 30 semester credits of college course work and have at least three years of experience in a law-related job; (4) those persons who have completed at least 60 semester credits of college course work and have a letter of sponsorship from an employer with guaranteed employment as a legal assistant. Consideration will also be given to those persons who are currently

employed as legal assistants in the legal community and do not fall into any of the aforementioned categories for enrollment in individual courses in paralegal studies, based upon availability of space.

Required Law-Specialty Courses (six credits)

Intro Law Practice & Role of Legal Assistant PL 301 2
Legal Ethics & Law Office Procedures PL 302 1
Legal Research & Writing PL 304 2
Westlaw Advanced Research PL 305 1

Alternative Law-Specialty Courses (18 credits; selections to be made from the courses listed below:)

Estates, Wills & Trusts PL 401 3
Corporate Law PL 403 3
Real Estate & Property Law PL 405 3
Bankruptcy PL 407 3
Civil Litigation & Procedures PL 411 3
Criminal Law Practice PL 413 3
Family Law Practice PL 421 3
Natural Resource Law PL 431 3
Tort Law PL 471 3
Paralegal Internship PL 493 3
Special Topics on Emergent Issues in Law 3
Practice & Paralegal Responsibilities PL 497 2-3
Workshops in Paralegal Studies PL 494 1-2

Law-Specialty Course Offerings

Statement of prerequisites: Students must complete nine credits in law-related courses and provide evidence of computer literacy before enrollment in any of the law-specialty courses; students must complete PL 301, PL 302, PL 304 and PL 305 before enrollment in any of the law-specialty courses in the 400 series. (Exceptions may be made only for good and substantial reasons.) Registration for any law-specialty course requires a "Special Permit" form issued by program coordinator.

PL 301 INTRODUCTION TO LAW PRACTICE & ROLE OF THE LEGAL ASSISTANT (2-0-2)(F/S). Familiarization of students with specific operations of law firms and legal departments and the role of the legal assistant. Essential skills of assertiveness, interviewing, investigation and formal/informal advocacy are introduced. Training in presenting a thorough, well-reasoned written legal analysis. PREREQ: Nine credits in law-related courses and evidence of computer literacy or PERM/PROG COORD.

PL 302 LEGAL ETHICS AND LAW OFFICE PROCEDURES (1-0-1)(F/S). Introduction to the Code of Professional Responsibility and the Code of Judicial Ethics. Explores the boundaries of authorized practice, delegation of authority and confidentiality. Review of office procedures, including billing, time keeping, docketing, calendaring and filing systems. PREREQ: PL 301 or PERM/PROG COORD.

PL 304 LEGAL RESEARCH AND WRITING (2-0-2)(F/S). Use of law references to develop research skills for the legal assistant in the formulation of briefs, memoranda and other documents relative to legal practice. Emphasis is given to accurate, analytical writing of legal terms and forms. PREREQ: PL 302 or PERM/PROG COORD.

PL 305 WESTLAW ADVANCE RESEARCH (1-0-1)(F/S). Development of computerized skills in the use of "Westlaw." PREREQ: PL 304 or PERM/PROG COORD.

PL 401 ESTATES, WILLS AND TRUSTS (3-0-3)(F/S). Principles, provisions and documents relative to wills and trusts. Includes jurisdictions of probate courts, estate and inheritance taxation and estate planning. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 403 CORPORATE LAW (3-0-3)(F/S). The law regarding contracts, agency, partnerships, corporations, negotiable instruments and sale of personal property. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 405 REAL ESTATE AND PROPERTY LAW (3-0-3)(F/S). Personal and real property documents and law relating to mineral and energy resources, mortgages, zoning and covenants, titles, legal descriptions, appraisals, common problems of property ownership, government regulation of subdivisions, condemnation, boundary disputes, adverse possession, leases, joint ventures, liens and encumbrances, foreclosure, inter alia. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 407 BANKRUPTCY (3-0-3)(F/S). Examines basic concepts in the debtor-creditor relationship, including the rights and interests of both parties in a transaction. Principles of bankruptcy, creditor rights and consumer protection are stressed. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 411 CIVIL LITIGATION AND PROCEDURES (3-0-3)(F/S). In depth coverage of civil litigation in State and Federal courts from client interview through trial and appeal. Idaho court practice emphasized but with sufficient understanding to be adapted to other states. Federal court practice based on federal and local rules. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 413 CRIMINAL LAW PRACTICE (3-0-3)(F/S). Substantive criminal law, definition of a crime, defenses to criminal accusation, joinder of parties and criminal allegations, instituting criminal action, formal pleading, the court process, negotiated pleas, probation and sentencing practice and procedure, constitutional safeguards and requirements. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 421 FAMILY LAW PRACTICE (3-0-3)(F/S). Legal provisions and documents relative to marriage, separation, divorce, communal property, child custody, child support, adoption and other concerns. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 431 NATURAL RESOURCE LAW (3-0-3)(F/S). Federal public lands and resources; historical development of federal policy; federal-state relations; relations among the legislative, executive and judicial branches of the federal government; individual treatment of water, mineral, range, timber, wildlife, recreation and preservation of natural resources. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

PL 471 TORT LAW (3-0-3)(F/S). Principles of the law of torts, including consideration of concepts of liability based upon fault and without fault, negligence and compensation for industrial injuries, defenses thereto and damages. Functions of Workers' Compensation. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG COORD.

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 U.S. Guide to Law Sshools, 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 Law Services, Newton, PA 18940. Telephone: (215) 968-1100.

Department of Accounting

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

Chair and Professor: William C. Lathen; *Professors:* Merz, Pirrong; *Associate Professors:* D. English, T. English, Koeppen, Medlin, Nix; *Assistant Professor:* Sarikas; *Special Lecturers:* Bates, Christensen, Demaree.

Degrees Offered

- B.B.A., B.A. and B.S. in Accounting
- M.S. in Accounting, Tax Emphasis: see Graduate College Catalog for further details

Department Statement

The Department of Accounting at Boise State University has about 600 undergraduate majors. There are many professional opportunities available for college graduates with an accounting background and the demand for graduates is high.

Members of the accounting faculty possess impressive credentials. There are twelve full-time faculty. Eight have completed the doctorate; all are Certified Public Accountants; and three are Certified Managerial Accountants. Their research is recognized through publication in many professional and academic journals. Most of the faculty have extensive relevant experience in industrial, public, and governmental accounting.

Perhaps the most interesting and unique feature of the department is its close relationship to the business community. Guest lecturers frequently conduct classes and workshops. This "corporate laboratory" experience at BSU provides the student with a unique perspective not typically available at other schools.

The objectives of the accounting program are:

1. To provide students with the technical and interpersonal skills that will permit them to secure successful career opportunities in public accounting, industry, or in the public sector.
2. To provide students with a general education that will enable them to function as responsible citizens within our socio-economic environment. This includes an understanding of their professional, ethical and social responsibilities.

A key goal is to provide a foundation for motivated graduates to progress rapidly into responsible positions. To accomplish this, the accounting program is intended to develop and enhance a student's critical thinking, judgment and communication skills. The curriculum requires extensive application of oral and written skills, analytical practice sets and the exercise of professional judgment and decision-making. The use of the microcomputer in the learning process is paramount, particularly with the use of electronic spreadsheets as a tool for analysis, problem-solving and modeling.

The accounting degree requires a comprehensive 134-hour program of studies. The program includes a minimum of 55 hours of broad-based education, including communications, mathematics, humanities, social sciences and natural sciences; 42 hours of study in the common body of knowledge in business and economics; 30 credit hours of accounting; and 7 hours of free electives.

The department also offers an Internal Audit option for accounting majors. Those interested in this option must take the courses prescribed below.

Because of the rigor and intensity of the upper division accounting program, students are strongly urged to consult with their advisor before entering upper division to develop an individual plan.

Recommended Program

ACCOUNTING PROGRAM
Bachelor of Business Administration Degree

	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 Microeconomics EC 205	3	-
**Principles of Macroeconomics EC 206	-	3
**Statistical Techniques I PR 207	3	-
**Legal Environment of Business GB 202	-	3
Core elective (Area III)	4	-
Non-business Electives	3	7
Total	16	16
JUNIOR YEAR		
Intermediate Accounting I,II AC 304-306	3	3
Cost Accounting AC 351	3	-
Analysis, Design & Audit of Acct Inform Systems AC 350	-	3
Intermediate Microeconomics EC 303	3	-
Business Communication AS 328	3	-
Intro Mgmt Information Systems IS 310	3	-
Management & Organizational Theory MG 301	-	3
Principles of Production Management PR 345	-	3
Non-business electives	-	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 are prerequisites for all upper division accounting courses: AC 205-206, E 101-102, EC 205-206, PR 207, GB 202, plus M 105-106 or M 111-204.
***Accounting electives are to be chosen from: AC 352, 406, 407, 450, 465.

Accounting majors should plan to take an appropriate professional examination during or immediately following their last semester. Accordingly, students should anticipate 200-300 hours of intensive study for that examination. (This is roughly equivalent to 6 credit hours.)

INTERNAL AUDIT OPTION*

The Internal Audit option requires 5, 3-credit hour courses. The required courses may be used to fill the general accounting electives and general business electives.

REQUIRED COURSES:

- End User Computing IS 217 3
- Business Ethics GB 360 3
- Internal Audit AC 407 3
- EDP Auditing AC 450 3

ELECTIVE COURSES: Any one of the following courses:

- Advanced Cost Accounting AC 352 3
- Advanced Auditing AC 406 3
- Internship AC 493 3

*This option requires 136 semester credit hours.

ACCOUNTING MINOR

A student pursuing a degree from the College of Business at Boise State University may earn a minor in Accounting by satisfying the requirements listed below in addition to their major requirements.

REQUIRED COURSES:

- Intro Financial Accounting AC 205 3
- Intro Managerial Accounting AC 206 3
- Prin of Income Taxation AC 302 3
- Interm Accounting I AC 304 3
- Interm Accounting II AC 306 3
- Cost Accounting AC 351 3

ELECTIVE COURSES: Any one of the following courses:

- Anal, Design & Audit Acctg Inform System 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 4 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)(F/S). Introduces the student to accounting for corporations, financial statement analysis and cost accounting concepts. 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 and sole proprietorships. Property transactions are covered along with discussions of the CPA/Client relationship and the social and political considerations of developing tax law. Degree credit will be allowed for either AC 320 or AC 302. PREREQ: Upper division business standing and AC 206.

AC 304 INTERMEDIATE ACCOUNTING I (3-0-3)(F/S). The course includes the study of financial reporting, including the effects of economic, legal, political, social and ethics influences on the formulation of generally accepted accounting principles. A comprehensive analysis of basic financial reporting, including the preparation of the statements of income and financial position. In-depth study of current and noncurrent assets and liabilities plus stockholder's equity. Lotus 1-2-3 is used as a tool in analyzing complex reporting problems. PREREQ: Upper division business standing and 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: Upper division business standing and 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 302. Offered when possible. PREREQ: Upper division business standing and AC-206.

AC 350 ANALYSIS, DESIGN AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3)(F/S). The purpose of this course is to provide an introduction to accounting information systems. Topics covered include (1) general systems theory, (2) the records, documents, procedures and controls found in the primary manual and computer based systems, (3) the approaches, methods and tools useful for designing, developing, implementing and controlling accounting information systems and (4) hands-on experience with microcomputer-based, database, spread-sheet and pre-audit software applications. The ethical dimensions of these topics are also considered. PREREQ: Upper division business standing and AC 304.

AC 351 COST ACCOUNTING (3-0-3)(F/S). The course covers the theory of cost accounting and cost control; including job order, process, direct and standard costs, budgeting, break-even analyses and the role of a management accountant, including ethical responsibilities. Emphasis on cost determination as a tool for management decision making. PREREQ: Upper division business standing and 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: Upper division business standing and AC 351.

AC 402 ADVANCED INCOME TAXATION (3-0-3)(F/S). Theory and application of the federal income tax to corporations organized for profit and an introduction to partnership, trust and estate and gift taxation. PREREQ: Upper division business standing, AC 302 and AC 306.

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: Upper division business standing and AC 306.

AC 406 ADVANCED AUDITING (3-0-3)(F/S). In-depth study of external audit, including ethics cases, special audit topic cases and a work paper documentation exercise. The course also includes an introduction to Internal Audit and EDP Auditing. PREREQ: Upper division business standing, AC 405 or PERM/INST.

AC 407 INTERNAL AUDITING (3-0-3)(F). A specialized course dealing with Internal Auditing as a profession. Topics include ethics, internal control, operational auditing, fraud and forensic auditing. The class uses a case approach and includes a project with local internal audit departments. PREREQ: AC 306.

AC 440-440G ACCOUNTING THEORY (3-0-3)(F/S). This course covers measurement theory and its implications for asset valuation and income determination. Specialized study of revenue recognition, accounting for changing prices and basic financial analysis. Emphasizes development of analytical and written communication skills. Computer applications are also used throughout the course. PREREQ: Upper division business standing and AC 306.

AC 450 ELECTRONIC DATA PROCESSING (EDP) AUDITING (3-0-3). This course covers the theory and application of auditing in an EDP environment. Course coverage emphasizes the evaluation of internal controls in an EDP environment. Topics include administrative and organizational controls, documentation and security controls, application controls related to batch and on-line input and computer-assisted techniques. Assignments are both textbook related and projects (some computerized). PREREQ: AC 350, AC 405.

AC 465 ADVANCED ACCOUNTING (3-0-3)(F/S). Topics include financial reporting for state and local governments and other not-for-profit organizations, accounting for partnerships, business combinations, consolidated financial statements and foreign currency transactions. PREREQ: Upper division business standing, AC 306 or PERM/INST.

AC 480 SELECTED ACCOUNTING TOPICS (3-0-3). Current accounting topics and issues are investigated in this class. PREREQ: Upper division business standing.

Department of Anthropology

Hemingway Western Studies Center Room 55
Telephone (208) 385-3023

Chair and Associate Professor: Mark G. Plew; *Professor:* Pavesic; *Associate Professor:* Cox; *Visiting Research Professor:* McCarl; *Adjunct Assistant Professor:* Yohe; *Special Lecturers:* Derbidge, Klikunas, Riley.

Degrees Offered

- B.A. in Anthropology
- B.A. in Anthropology, Social Science, Secondary Education

Department Statement

The department is central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving and full participation in public affairs. The Department of Anthropology offers two (2) bachelors degree programs, a minor for teaching certification, a liberal arts minor, a Native American Studies minor and participates in the Canadian Studies program.

Degree Requirements

ANTHROPOLOGY
Bachelor of Arts Degree

1. Liberal Arts Option

A. General University and Basic Core Requirements
B. ANTHROPOLOGY Total Requirements 54
1) LOWER DIVISION COURSES 9
Physical Anthropology AN 101 3
Cultural Anthropology AN 102 3
Intro to Archaeology AN 103 3
Foreign Language (one year) 8
Computer Application in Social Science SO 210 3
2) UPPER DIVISION COURSES 7
History of Anthropology AN 401 3
Elem Social Statistics SO 310 or equivalent. 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
Educational Anthropology AN 409 3
Language, Culture and Society AN 411 3
Medical Anthropology AN 425 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 313 3
Archaeology of Mesoamerica AN 319 3
Seminar in Archaeology AN 421 3
C. Recommended Elective:
LI 305 Introduction to Linguistics.

ANTHROPOLOGY—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; Sociology; and Anthropology. 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 anthropology.
2. Must complete a minimum of 15 credits in each of two of the above departments (other than anthropology) to satisfy **graduation** requirements. However, teaching **certification** requires additional course work in these two departments. See "Minor Certification Endorsements" in the Department of Teacher Education section of this catalog.
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.

4. TOTAL General University and Major Requirements 128*
5. LOWER DIVISION COURSES (Total) 9
Physical Anthropology AN 101 3
Cultural Anthropology AN 102 3
Intro to Archaeology AN 103 3
6. UPPER DIVISION COURSES 3
History of Anthropology AN 401 3
7. OTHER UPPER DIVISION COURSES 18
Select 6 credits from each of the following groups of courses:
Group I Courses 6
Human Variation AN 325 3
Educational Anthropology AN 409 3
Applied Anthropology AN 430 3
Socio-Cultural Electives 3
Group II Courses 6
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 6
African Prehistory AN 300 3
European Prehistory AN 302 3
Archaeology of North America AN 312 3
Archaeology of South America AN 313 3
Archaeology of Mesoamerica AN 319 3
Seminar in Archaeology AN 421 3
8. First Social Science Field 15
Second Social Science Field 15
9. Teacher Education Requirements 29-35

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the Teacher Education listing for more information.

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. Social Science, Secondary Education Minor Option
Total credits 15
Required Courses:
Physical Anthropology AN 101 3
Cultural Anthropology AN 102 3
Upper division Anthropology Electives 9

NATIVE AMERICAN STUDIES MINOR

Cultural Anthropology AN 102 3
Indians of North America AN 307 3
Indians of South America AN 308 3
Indian Peoples of Idaho AN 315 3
Archaeology of North America AN 312 or
Archaeology of South America AN 313 or
Archaeology of Mesoamerica AN 319 3
The Indian in U S History HY 356 or
Upper division Anthropology Elective or
Native American content course from other disciplines 6
Total 21

Course Offerings

See page 4 for definition of course numbering system

AN ANTHROPOLOGY

Lower Division

AN 101 PHYSICAL ANTHROPOLOGY (3-0-3)(Area II). An introduction to the fossil evidence for human evolution, genetics, modern human variation, the study of living primates and the relationship between biology and culture.

AN 102 CULTURAL ANTHROPOLOGY (3-0-3)(Area II). An introduction to the descriptions, analysis and explanations of the different ways of life, or cultures, through which human groups have adapted to their environments. An explanation of the nature and characteristic of culture as an adaptive mechanism for human survival.

AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)(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.

AN 209 ISSUES IN CULTURAL DIVERSITY (3-0-3) (F/S). This course is designed to provide the introductory student with the skills necessary to recognize and analyze issues of cultural diversity using basic anthropological strategies. The course will approach cultural diversity from the local and global perspective and will study issues of concern about cultural ecology, cultural pluralism, cross-cultural communication, human reproduction, family life and organization, religion and art. PREREQ: AN 102 or PERM/INST.

Upper Division

AN 300 AFRICAN PREHISTORY (3-0-3)(F/S). A survey of the archaeology of Africa beginning with a discussion of Hominid origins and evolution. Emphasis upon culture history with reference to Oldowan, Acheulian and Mousterian culture, the Later Prehistory and the Iron Age. Environmental adaptations, origins of food production and social complexity will be discussed. Offered odd years.

AN 302 EUROPEAN PREHISTORY (3-0-3)(F/S). A survey of pre-historic 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 status. Offered even years.

AN 305 PEOPLES OF THE PACIFIC ISLANDS (3-0-3)(F/S). A survey of the ethnographic area Oceania. Will include a study of the ethnographic data from the islands of Polynesia, Melanesia, Micronesia, from original settlement to present time. PREREQ: Upper division status or PERM/INST. Alternate years.

AN 307 INDIANS OF NORTH AMERICA (3-0-3)(F/S). An ethnographic survey of the native peoples of North America emphasizing cultural diversity and adaptation. Ethnographic data will cover the time span from settling of North America to present. PREREQ: Upper division status or PERM/INST.

AN 308 INDIANS OF SOUTH AMERICA (3-0-3)(F/S). A survey and analysis of native South American cultures emphasizing cultural-environmental adaptations and historical events affecting the acculturation of the region's native peoples. PREREQ: AN 102, Upper division status or PERM/INST.

AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)(F/S). An ethnographic survey of selected cultures with emphasis on cultural diversity, cultural adaptation and historical development. PREREQ: Upper division status or PERM/INST.

AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S). A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional 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 culture 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 culture change. PREREQ: AN 103, Upper division status or PERM/INST. Even years.

AN 315 INDIAN PEOPLES OF IDAHO (3-0-3)(F/S). A study of the pre-historic 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 pre-columbian cultures of Central America with an emphasis on Mexico. Special focus on the transition from Pre-Classic to Classic civilization with consideration of the Maya and Aztec. PREREQ: AN 103, Upper division status or PERM/INST. Offered even years.

AN 325 HUMAN VARIATION (3-0-3)(F/S). An examination of human evolution during the past 5 million years with emphasis on evolutionary theory and both the human fossil record and present patterns of variability among humans. PREREQ: AN 101 or 102, Upper division status or PERM/INST. Alternate years.

AN 401 HISTORY OF ANTHROPOLOGY (3-0-3)(F/S). An historical investigation of scientific events leading to the development of the basic concepts, theory and methods of contemporary Anthropology. Major anthropological contributions by A.L. Kroeber, Margaret Mead, Franz Boas, Julian Steward, B. Malinowski and others will be used as reference points for presented materials and classroom discussions. PREREQ: AN 102, Upper division status or PERM/INST.

AN 409 EDUCATIONAL ANTHROPOLOGY (3-0-3)(F/S). An examination of cultural transmission and the cultural aspects of educational processes and institutions. Will include a review of the application of anthropological methods and theories to formal and informal education in traditional and modern cultures. PREREQ: AN 102, Upper division status or PERM/INST.

AN 411 (LI 411) LANGUAGE, CULTURE AND SOCIETY (3-0-3)(S). (Cross listed LI 411). The course provides an introduction to the nature of the relationships among language, culture and society. Major topics explored are: language and thought; conversational theory; the ethnography of communication; language change; language variation; speech communities; pidgins and creoles; diglossia, code switching and mixing; solidarity and politeness. Several languages are examined in specific social and cultural contexts. LI 305 or a foreign language recommended. This course may be taken for LI or AN credit but not both. Offered alternate years.

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 425 MEDICAL ANTHROPOLOGY: DISEASE, CULTURE AND HEALING (3-0-3)(F/S). This course introduces the student to the dynamic relationship which exists between health and culture. Topics include epidemiology, medical ecology, nutrition, ethnomedicine, the social meaning of illness, medical and cultural change and alternative health models. Emphasis will be on a cross-cultural approach. Ethnographic data will be provided from cultures around the world.

AN 430 APPLIED ANTHROPOLOGY (3-0-3)(F/S). An examination of the use of anthropology to solve human problems. How applied anthropologists use the knowledge, skills and perspective of their discipline to help solve human problems and facilitate change. The relationship between theory and application are stressed and the use of anthropology in non-academic settings. 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 Art

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

Chair and Professor: David L. Oravez; *Professors:* Blankenship, Douglas, Hanlon, Heap, Huff, Killmaster, Kober, Roberts, Russell, Skov, Takehara, Taye, Witte; *Associate Professors:* Benson, Hoopes, Miller, Shurtleff, Smith, Taylor; *Assistant Professors:* Bauer-Simon, Micco; *Visiting Professors:* Galindo, Machacek.

Degrees Offered

- B.A. and B.F.A. in General Art
- B.A. and B.F.A. in Art Education 6-12
- B.A. and B.F.A. in Art Education K-12
- B.A. and B.F.A. in Graphic Design
- B.F.A. in Illustration
- Pre-Architecture
- M.A. Education-Art Emphasis
- M.F.A. in Visual Arts

Degree Requirements

GENERAL ART
Bachelor of Arts

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 3
- Sculpture AR 231 3
- Printmaking AR 209 2
- Art Metals AR 221 3
- *Senior Show AR 410 1
- Senior Seminar AR 498 3

42

Area of Emphasis
The B.A. degree in General Art requires the completion of a minimum of 14 credit hours in one of the following areas of specialization: Painting, Watercolor, Drawing Ceramics, Sculpture, Printmaking, Art Metals, Photography, Art History.
*Senior show is not required of Art History majors.

Elective Credits 35

Total 128

NOTE: A minimum of 40 credit hours of a total 128 must be upper division

GENERAL ART
Bachelor of Fine Arts Degree

General University & Core Requirements Credits 32
Art Major Requirements
- Painting 8
- Drawing 8
- Art History 12
- Watercolor 4
- Basic Design AR 105-106 6
- Intro to Printmaking AR 209 2
- Sculpture 3
- Ceramics 3
- Art Metals 3
- *Senior Show AR 410 1
- Senior Seminar AR 498 3
- Art Electives 13

66

Area of Emphasis
The B.F.A. degree in General Art requires the completion of a minimum of 20 credit hours in one of the following areas of specialization: Painting, Watercolor, Drawing, Ceramics, Sculpture, Printmaking, Art Metals, Photography, or Art History. In addition, the B.F.A. degree requires the completion of 14 credits in a second area.
*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 Arts Program

General University & Basic Core Requirement Credits 51
Art Major Requirements
- Painting 4
- Watercolor 4
- Drawing 6
- Basic Design AR 105-106 6
- Art History 9
- Ceramics 3
- Sculpture 3
- Printmaking AR 209 2
- Crafts AR 123 2
- Senior Show AR 410 1
- Senior Seminar AR 498 3

43

Education Requirements for Qualification Toward State Certification. Refer to the Teacher Education listing in the College of Education for complete information.
- Foundations of Education TE 201 3
- Educational Technology TE 356 2
- Educating Exceptional Secondary Student TE 333 or TE 291 1-3
- Reading in Content Subject TE 407 3
- Secondary School Methods TE 381 3
- Educational Psychology TE 225 3
- Art Methods in Secondary Schools AR 351 3
- Elementary School Art Methods AR 321 3
- Elementary/Secondary Student Teaching 16

37-39

Total 131-133

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the Teacher Education listing for more information.

ART EDUCATION
Bachelor of Fine Arts

General University & Core Requirement Credits 32
Art Major Requirements
- Painting 6
- Drawing 8
- Art History 12
- Watercolor 4
- Basic Design AR 105-106 6
- Intro to Printmaking AR 209 2
- Sculpture 3
- Ceramics 3
- Crafts AR 123 2
- Senior Show AR 410 1
- Senior Seminar AR 498 3

50

Area of Emphasis
The B.F.A. degree in Art Education requires the completion of a minimum of 14 credit hours in any of the following Art fields; Painting,

Drawing, Watercolor, Ceramics, Sculpture, Printmaking, Art Metals, Photography, or Art History.

Education Requirements for Qualifications Toward State Certification
- Foundations of Education TE 201 3
- Educating Exceptional Secondary Student TE 333 or TE 291 1-3
- Educational Technology TE 356 2
- Reading in Content Subject TE 407 3
- Secondary School Methods TE 381 3
- Educational Psychology TE 225 3
- Secondary School Art Methods AR 351 3
- Elementary School Art Methods AR 321 3
- Elementary/Secondary School Teaching 16

37-39

Elective Credits 7-9

Total 128

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the Teacher Education listing for more information.

GRAPHIC DESIGN

Upper Division Admission: The major in Graphic Design requires admission to upper division standing by special application within the Art Department. This includes B.A. and B.F.A. candidates. All prospective Graphic Design majors are therefore required to meet the following "Minimum Criteria for Upper Division Admission" before applying to upper division.

Minimum Criteria for Upper Division Admission in Graphic Design:
1. Admission to BSU.
2. Successful completion of these lower division courses: Basic Design AR 105-106; Typography and Letterforms AR 117; Typography and Layout AR 118; Drawing AR 111-112; Painting AR 113; Graphic Design I AR 203; Survey of Western Art AR 101 and 102.
3. GPA of 3.0 in both art and core courses.
4. Completion of 50 hours which includes courses in progress.
5. Submission of a portfolio which meets the criteria and requirements for admittance into the upper division program. The primary focus of the portfolio is to be Graphic Design.
6. Submission of a 500-1000 word essay which is reflective of the student's insights regarding their chosen major.
7. Application with transcript, essay and portfolio by October 1 for spring semester and March 1 for fall semester.

GRAPHIC DESIGN
Bachelor of Arts Program

General University & Basic Core Requirement Credits 51

Art Major Requirements
- Graphic Design AR 203, 204, 303-304 12
- Painting AR 113, 114 4
- Drawing AR 111-112-211 (Anatomy) 6
- Illustration 1 AR 361 3
- Basic Design AR 105-106 6
- Typography and Letterforms AR 117 3
- Typography and Layout AR 118 3
- Computer Design for Graphic Designers & Artists AR 333 4
- Art History 6
- Intro to Printmaking AR 209 2
- Photography AR 251, 341 or 344 6
  AR 251 must be taken by end Sophomore year; AR 341/344 before last semester Senior year.
- Senior Seminar AR 498 3
- Senior Research for Graphic Designers AR 489 1

59

Elective Credits 23

Total 133

NOTE: A minimum of 40 credit hours of a total 133 must be upper division.

GRAPHIC DESIGN
Bachelor of Fine Arts Degree

General University & Core Requirements Credits 32

Art Major Requirements
- Graphic Design AR 203, 204, 303-304 12
- Painting AR 113, 114 4
- Watercolor 2
- Drawing AR 111-112-211 (Anatomy) 6
- Sculpture, Ceramics, Art Metals 3
- Illustration 1 AR 361 3
- Basic Design AR 105-106 6
- Visual Design AR 305 3
- Computer Design for Graphic Designers & Artists AR 333 4
- Computer Graphics for Graphic Designers AR 483 2
- Typography and Letterforms AR 117 3
- Typography and Layout AR 118 3
- Art History 12
- Photography AR 251, 341 or 344 6
  AR 251 must be taken by end Sophomore year; AR 341/344 before last semester Senior year.
- Senior Seminar AR 498 3
- Senior Show AR 410 1
- Senior Research for Graphic Designers AR 489 2

75

Professional Electives 25

Total 132

NOTE: A minimum of 40 credit hours of a total 132 must be upper division.

ILLUSTRATION
Bachelor of Fine Arts

Upper Division Admission: The B.F.A. major in Illustration requires admission to upper division standing by special application with the Art Department. All prospective Illustration majors are therefore required to meet the following "Minimum Criteria for Upper Division Admission" before applying to upper division.

Minimum Criteria for Upper Division Admission to Illustration:
1. Admission to BSU.
2. Successful completion of the following courses (or equivalent courses): Basic Design AR 105-106; Drawing AR 111-112-211-212; Painting AR 113, 114; Illustration 1 AR 361; Typography and Layout AR 118; and Survey Western Art AR 101 and 102.
3. GPA of 3.0 in both art and core courses.
4. Completion of at least 50 credit hours, including courses in progress the application semester.
5. Submission of a portfolio which meets the criteria and requirements for admittance into the upper division program. The primary focus of the portfolio is to be Illustration/Painting/ Drawing.
6. Submission of a 500-1000 word essay which is reflective of the student's insights regarding the chosen major.
7. Application with transcript, essay and portfolio by October 1 for spring semester and March 1 for fall semester.

General University & Core Requirement Credits 32

Art Major Requirements
- Illustration AR 361-362-461-462 12
- Painting AR 113, 114 4
- Figure or Portrait Painting AR 219 or AR 319 3
- Drawing AR 111-112-211-212 8
- Watercolor AR 217 2
- Basic Design AR 105-106 6
- Sculpture, Ceramics, Metals 3
- Senior Project in Illustration AR 465 3
- Art History 12
- Intro Creative Photography AR 251 3

Intro Printmaking AR 209	2
Visual Design AR 305	3
Typography and Layout AR 118	3
Senior Show	1
Senior Seminar	3
	68
Elective Credits	28
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	3
Upper Division Art elective	3
Art electives	3
Total	22

Recommended Programs

GENERAL ART MAJOR
B.A. Painting, Drawing or Art History Emphasis

	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	-	3
**Painting AR 215	2	2
Sculpture AR 231	3	-
Art Metals AR 221	-	3
Area I	3	3
Area III - Area II	4	3
Electives	1	2
	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 classes marked with an asterisk.

Total: 128 credits, including 40 upper division credits.

GENERAL ART MAJOR
B.A. Printmaking - Sculpture, Ceramics, Art Metals, Photography, or Watercolor Emphasis

	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	-	3
Sculpture AR 231	3	-
Art Metals AR 221	-	3
Area I	3	3
Area III - Area I	4	3
Electives	-	2
	16	16
JUNIOR YEAR		
Art History AR 301	3	-
**Studio in Printmaking AR 309	3	3
Area I - Area II	3	3
Upper division electives	3	8
Area III - Area I	4	3
	16	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 marked with an asterisk.

Total: 128 credits, including 40 upper division credits.

GENERAL ART MAJOR
B.F.A. Drawing, Painting, or Art History Emphasis

	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	-	3
Art Metals AR 221	3	-
Ceramics AR 225	-	3
Area I Literature - Area II	3	3
Area III - Area I	4	3
	18	20

JUNIOR YEAR		
**Advanced Drawing AR 311	3	3
Art History AR 301, 302	3	3
Area I Literature - Area II	3	3
Electives	7	5
	16	14
SENIOR YEAR		
Senior Seminar AR 498	3	-
Senior Show AR 410	1	-
**Studio Drawing AR 411	3	3
Upper division electives	8	11
	15	14

**20 credits constitutes a major. If your major is painting or art history, substitute those classes marked with an asterisk.

Total: 128 credits, including 40 upper division credits.

GENERAL ART MAJOR
B.F.A. Sculpture, Printmaking, Art Metals, Photography, Ceramics, or Watercolor Emphasis

FRESHMAN YEAR	1st SEM	2nd SEM
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 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	3	3
Area I Literature - Area II	3	3
Art Metals AR 221	3	-
Ceramics AR 225	-	3
Area III - Area I	4	3
	19	18
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	4	5
	15	11
SENIOR YEAR		
**Studio Sculpture AR 431	3	3
Senior Show AR 410	1	-
Senior Seminar AR 498	-	3
Upper division electives	11	8
	15	14

**20 credits constitutes a major. If your major is printmaking, art metals, photography, ceramics, or watercolor, substitute those classes marked with an asterisk.

Total: 128 credits, including 40 upper division credits.

ART EDUCATION MAJOR
Bachelor of Arts
K-12 Option

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Basic Design AR 105-106 Area I-1st-Any Field	3	3
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	3	-
	16	16
SOPHOMORE YEAR		
Found of Education TE 201 Area II-3rd Field	3	-
Drawing AR 211	2	-
Watercolor AR 217, 218	2	2
Ceramics AR 225	-	3
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
Electives	2	1
	18	16
JUNIOR YEAR		
Sculpture AR 231	3	-
Crafts AR 123	2	-
Area I-3rd Field	-	3
Area III-Any Field	-	4
Elementary School Art Methods AR 321	-	3
Educating Exceptional Secondary-Age Student TE 333 or	-	1-3
Education of the Exceptional Child TE 291		
Educational Psychology TE 225	3	-
Secondary School Art Methods TE 381	3	-
Reading in the Content Subject TE 407	3	-
Electives (Recommended: Computer Graphics)	2	3
	17	14-16
SENIOR YEAR		
Reading in the Content Subject TE 407	3	-
Secondary School Art Methods AR 351	3	-
Senior Seminar AR 498	3	-
Senior Show AR 410	1	-
Educational Technology TE 356	2	-
Student Teaching (K-12)	-	16
Art History Elective	3	-
Elective	3	-
	15	16

Total: 128-130 credits (19), including 40 upper division credits.

ART EDUCATION MAJOR
Bachelor of Fine Arts
K-12 Option

FRESHMAN YEAR	1st SEM	2nd SEM
Art History AR 101, 102 Area I	3	3
Basic Design AR 105-106 Area I	3	3
English Composition E 101-102	3	3
Drawing AR 111-112	2	2
Painting AR 113, 114	2	2
Crafts AR 123	-	2
Elective	3	-
	16	15
SOPHOMORE YEAR		
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	-	3
Intro to Printmaking AR 209	-	2
Area I Literature	-	3
Area II History	3	-
Area III	4	4
Electives	2	2
	16	18

JUNIOR YEAR

Painting AR 215	2	-
Art History AR 301	3	-
Area I Literature	-	3
Area I	3	-
Area II-Any Field	-	3
Elementary School Art Methods AR 321	-	3
Educating Exceptional Secondary-Age Student TE 333 or	-	1-3
Education of the Exceptional Child TE 291		
Educational Psychology TE 225	3	-
Secondary School Methods TE 381	3	-
Reading in Content Subject TE 407	-	3
Electives (Recommend Computer Graphics)	5	3
	19	16-18

SENIOR YEAR

Secondary School Art Methods AR 351	3	-
Upper division Art History	3	-
Sculpture AR 231	3	-
Senior Show AR 410	1	-
Senior Seminar AR 498	3	-
Educational Technology TE 356	2	-
Secondary Student Teaching K-12	-	16
Electives	2	-
	17	16

Total: 129-131 (14) including 40 upper division credits and 20 credits in studio emphasis area.

ART EDUCATION MAJOR
Bachelor of Arts
6-12 Option

FRESHMAN YEAR	**1st SEM**	**2nd SEM**
English Composition E 101-102	3	3
Basic Design AR 105-106 Area I-1st Field	3	3
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
Electives	2	-
	15	16

SOPHOMORE YEAR

Found of Education TE 201 Area II-3rd Field	3	-
Drawing AR 211	2	-
Watercolor AR 217, 218	2	2
Ceramics AR 225	-	3
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
Electives	-	1
	16	16

JUNIOR YEAR

Sculpture AR 231	3	-
Crafts AR 123	2	-
Area I-3rd Field	-	3
Area III-Any Field	-	4
Elementary School Art Methods AR 321	-	3
Educating Exceptional Secondary-Age Student TE 333	-	1
Educational Psychology TE 225	3	-
Secondary School Methods TE 381	-	3
Reading in Content Subject TE 407	3	-
Electives	5	3
	16	17

SENIOR YEAR

Secondary School Art Methods AR 351	3	-
Senior Seminar AR 498	3	-
Senior Show AR 410	1	-
Educational Technology TE 356	2	-
Student Teaching (6-12)	-	16
Art History Elective	3	-
Electives	4	-
	16	16

Total: 128 credits (19), including 40 upper division credits.

ART EDUCATION MAJOR
Bachelor of Fine Arts
6-12 Option

FRESHMAN YEAR	**1st SEM**	**2nd SEM**
Art History AR 101, 102 Area I	3	3
Basic Design AR 105-106 Area I	3	3
English Composition E 101-102	3	3
Drawing AR 111-112	2	2
Painting AR 113, 114	2	2
Crafts AR 123	-	2
Electives	3	-
	16	15

SOPHOMORE YEAR

Painting AR 215	2	-
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	-	3
Intro to Printmaking AR 209	-	2
Area I Literature	-	3
Area II History	3	-
Area III	4	4
Electives		1
	16	17

JUNIOR YEAR

Art History AR 301	3	-
Area I Literature	-	3
Area I	3	-
Area II-Any Field	-	3
Elementary School Art Methods AR 321	-	3
Educating Exceptional Secondary-Age Students TE 333	-	1
Educational Psychology TE 225	3	-
Reading in Content Subject TE 407	-	3
Electives (Recommend Computer Graphics)	7	3
	16	16

SENIOR YEAR

Secondary School Art Methods AR 351	3	-
Sculpture AR 231	3	-
Senior Show AR 410	1	-
Senior Seminar AR 498	3	-
Educational Technology TE 356	2	-
Student Teaching (6-12)	-	16
Electives	4	-
	16	16

Total: 128 (19) including 40 upper division credits and 20 credits in studio emphasis area.

GRAPHIC DESIGN
Bachelor of Arts

FRESHMAN YEAR	**1st SEM**	**2nd SEM**
Survey Western Art AR 101, 102	3	3
Basic Design AR 105-106	3	3

Typography & Letterforms AR 117	3	-
Typography & Layout AR 118	-	3
Drawing AR 111-112	2	2
English Composition E 101-102	3	3
Area II	3	3
	17	17
SOPHOMORE YEAR		
Painting AR 113, 114	2	2
Graphic Design I & II AR 203 & 204	3	3
Anatomy AR 211	2	-
Intro Creative Photo AR 251	-	3
Computer Design for Graphic Designers & Artists AR 333	-	4
Area I	3	3
Area II	3	3
Area III	4	-
	17	18
JUNIOR YEAR		
Watercolor AR 217	2	-
Studio in Graphic Design AR 303	3	-
Advanced Studio in Graphic Design AR 304	-	3
Illustration 1 AR 361	3	-
Intro Printmaking AR 209	-	2
Photography AR 341 or 344	-	3
Area I	3	3
Area III	4	-
Electives	2	4
	17	15
SENIOR YEAR		
Senior Research for Graphic Designers AR 489	1	-
Senior Seminar AR 498	3	-
Photography AR 341	-	3
Area I	3	-
Area III	4	-
Upper division electives	5	12
	16	15

Total: 133 credits, including 40 upper division credits.

GRAPHIC DESIGN
Bachelor of Fine Arts

FRESHMAN YEAR	**1st SEM**	**2nd SEM**
Area III	4	-
Survey Western Art AR 101, 102	3	3
Basic Design AR 105-106	3	3
Typography and Letterforms AR 117	3	-
Typography & Layout AR 118	-	3
Drawing AR 111-112	2	2
English Composition E 101-102	3	3
Area II	3	3
	17	17
SOPHOMORE YEAR		
Painting AR 113, 114	2	2
Graphic Design I & II AR 203 & 204	3	3
Creative Photography AR 251	-	3
Computer Design for Graphic Designers & Artists AR 333	4	-
Visual Design AR 305	3	-
Area I Literature	3	3
Area II	-	3
Area III	4	-
Electives	-	5
	19	19
JUNIOR YEAR		
Watercolor AR 217	-	2
Studio in Graphic Design AR 303	3	-
Advanced Studio in Graphic Design AR 304	-	3
Photography AR 341 or 344	3	-
Illustration 1 AR 361	-	3
Upper division Art History	3	3
Area I	3	-
Area III	4	-
Electives	-	6
	16	17
SENIOR YEAR		
Senior Research for Graphic Designers AR 489	-	2
Senior Seminar AR 498	3	-
Senior Show AR 410	-	1
Intro Printmaking AR 209	-	2
Computer Graphics for Graphic Designers AR 483	2	-
Area I	3	-
Area III	-	4
Upper division electives	6	5
	14	14

Total: 132 credits, including 40 upper division credits.

ILLUSTRATION
Bachelor of Fine Arts

FRESHMAN YEAR	**1st SEM**	**2nd SEM**
Survey of Western Art AR 101, 102	3	3
Basic Design AR 105-106	3	3
Drawing AR 111-112	2	2
English Composition E 101-102	3	3
Area II	3	3
Electives	2	3
	16	17
SOPHOMORE YEAR		
Painting AR 113, 114	2	2
Typography and Layout AR 118	-	3
Drawing AR 211-212	2	2
Watercolor AR 217	-	2
Intro Printmaking AR 209	2	-
Illustration I AR 361	3	-
Area I Literature	3	3
Area II	-	3
Area III	4	-
Elective	-	2
	16	17
JUNIOR YEAR		
Figure **or** Portrait Painting AR 219 or AR 319	3	-
Illustration II & Studio in Illustration AR 362, 461	3	3
Intro Creative Photo AR 251	3	-
Ceramics, Sculpture, Metals	-	3
Visual Design AR 305	-	3
Upper division Art History	-	3
Area I	-	3
Area III	4	-
Upper division electives	3	2
	16	17
SENIOR YEAR		
Advanced Studio in Illustration AR 462	3	-
Senior Project in Illustration AR 465	-	3
Senior Seminar AR 498	-	3
Senior Show AR 410	-	1
Upper division Art History	3	-
Upper division electives	5	4
Art electives	4	3
	15	14

Total: 128 credits, including 40 upper division credits.

PRE-ARCHITECTURAL PROGRAM

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

	1st SEM	2nd SEM
FRESHMAN YEAR		
Survey of Western Art AR 101, 102	3	3
English Composition E 101-102	3	3
Algebra/Trigonometry-Calculus/Analysis Geometry M 111-204	5	5
Basic Design AR 105-106	3	3
Drawing AR 111-112	2	2
Intro Art/Survey Western Art AR 103/AR 101, 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 Design for Graphic Designers & Artists AR 333 or	-	2-4
Digital Computer Programming EN 104		
Engineering Measurement EN 216	3	-
Art Elective	2	2
	18	14-16

NOTE: University core classes may be used in place of optional courses in the program, or to extend the time you wish to take courses at Boise State University.

Course Offerings

See page 4 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 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 117 TYPOGRAPHY AND LETTERFORMS (2-2-3)(F). The course introduces the student to the history and development of type. Students will draw and evaluate specific typefaces and learn to distinguish their formal and evocative qualities. The communicative potential of the typeform will be discovered through assignments which are primarily experimental and compositional in nature. Advisable to take concurrently with AR 105.

AR 118 TYPOGRAPHY AND LAYOUT (2-2-3). A study of typography as a design element and communicative tool as used by the graphic designer. Layout and an introduction to the systems used for organizing type will be covered. PREREQ: AR 117 or PERM/INST.

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

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

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

AR 203 GRAPHIC DESIGN I (2-2-3)(F). Introductory course to the field of graphic design. Emphasis on methods, materials, computer typesetting and problem-solving methodology. Developing a sensitivity to typography and its diverse applications is stressed. PREREQ: AR 118.

AR 204 GRAPHIC DESIGN II (2-2-3)(S). Continued work in typography, organizational graphics, the role of illustration and a conceptual approach to graphic design. Use of the computer is integrated within the course. Traditional methods and materials also covered. PREREQ: AR 117.

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 out-doors 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 FIGURE PAINTING (0-6-3)(F). Painting from models in realistic or semi-abstract styles based on individual interests. Model fee. May be repeated for credit. PREREQ: AR 211 or PERM/INST. Advisable to take AR 114 and 212 prior to AR 219.

AR 221 ART METALS (2-4-3)(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 (2-4-3)(S). Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. PREREQ: AR 221.

AR 225 CERAMICS (2-4-3)(F). An introduction to ceramics technique and materials. Wheel-throwing, 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 (2-4-2)(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 (2-4-3)(F). Work in a variety of three dimensional material with emphasis on the techniques of carving, modeling.

AR 232 SCULPTURE (2-4-3)(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 (2-2-3)(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 techniques learned in AR 156 Architectural Graphic Communication or AR 255 Advanced Architectural Graphics. Advisable to take AR 156 or 255 before enrolling in AR 256 Basic Architectural Design.

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

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

AR 290 MATERIALS AND METHODS OF ARCHITECTURE (3-0-3)(F/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 GRAPHIC DESIGN (0-6-3)(F). The role of the computer in the modern practice of Graphic Design is stressed. Limited computer lab time is available during class. Emphasis is on conceptualizing and the development of a personal problem-solving methodology. Particular attention is given to development of precise verbal presentation skills. PREREQ: AR 333.

AR 304 ADVANCED STUDIO IN GRAPHIC DESIGN (0-6-3)(S). Continued exploration of the role of computers in modern design. Problems of a more complex nature are presented. Students are encouraged to develop and expand both the verbal and visual elements within a design problem. Verbal presentation skills and written rationales are integrated within the visual format. PREREQ: AR 303, AR 333.

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

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

AR 308 ADVANCED WEAVING (0-6-3)(F/S). Continuing development of skills and techniques in weaving will be emphasized through specialized areas of study such as drafting and designing complex weave structures, block theory, multi-layered and three dimensional fiber construction, ikat and warp painting, dyeing with natural and chemical dyes. Taught 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 PAINTING (0-6-3)(S). Painting from models in realistic or semi-abstract styles based on individual interests. Focus on creative approaches to portraiture. Model fee. May be repeated for credit. PREREQ: AR 211 or PERM/INST. Advisable to take AR 114, 212 and 219 prior to AR 319.

AR 321 ELEMENTARY SCHOOL ART METHODS (3-1-3). This course is designed to prepare future elementary and art education teachers in awareness, skills, theories and practices in K-8 art education. Child growth and development, curriculum selection and planning, classroom management and assessment strategies and basic historical aesthetic learning methods will be addressed. Students will demonstrate technical and artistic skills and mastery with K-8 art materials and will design, teach and assess art lessons. Optional lab hours available. Materials fee. PREREQ: Upper division standing.

AR 325 STUDIO IN CERAMICS (0-6-3)(F). Advanced study in the materials of ceramics with emphasis on exploration of clays, glazes and firing in earthenware, stoneware and porcelain. Individual instruction will be given. PREREQ: 225 or 226 or PERM/INST.

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

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

AR 333 COMPUTER DESIGN FOR GRAPHIC DESIGNERS AND ARTISTS (2-4-4)(F/S). This course will familiarize the student with current programs for publication design, electronic prepress methods, illustration, fine art, photo manipulation and interactive programming. Available software includes the latest in illustration, graphic design, three dimensional applications, animation, paint and interactive programs. PREREQ: PERM/INST.

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 (3-2-3)(F). For students expecting to teach art education at the junior and senior high school levels. Includes pedagogical, philosophical and methodological issues and guidelines for grades 6-12 instructional design, development and assessment, essential information about materials, safety and aesthetics. An educational portfolio and 30 hours of clinical experience are required in a 6-12 setting.

AR 361 ILLUSTRATION I (0-6-3)(F). Survey of historical and contemporary illustration materials, techniques and styles. Focus on Creative Communicative solutions to visual problems. PREREQ: AR 112, AR 105 and AR 106.

AR 362 ILLUSTRATION II (0-6-3). Continued exploration of illustration as a profession and as an expressive communicative medium. Focus on interpretive problem solving. Individually selected media. PREREQ: AR 361 and PERM/INST.

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 media. Students will participate in one-person senior show projects. May be repeated 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 ILLUSTRATION (0-6-3)(S). Continued exploration of illustration as a profession and as an expressive communicative medium. Focus on development of an individual visual voice through advanced interpretive problem solving. PREREQ: AR 362 and PERM/INST.

AR 462 ADVANCED STUDIO IN ILLUSTRATION (0-6-3)(F). Exploration of the editorial applications of illustration (e.g., book, magazine, visual essay). Focus on the continued development of an individual visual voice through the exploration of sequential imagery. Individually selected media. PREREQ: AR 461 and PERM/INST.

AR 465 SENIOR PROJECT IN ILLUSTRATION (0-6-3)(S). Culminating original project for illustration majors, including a formal presentation or exhibition. PREREQ: AR 462 and PERM/INST.

AR 477 GRAPHICOM (4-0-4)(F/S). This class provides students the opportunity to work with Boise area non-profit organizations in need of design assistance. Computer-aided design and print production are stressed. Initial client contacts are provided. This course provides a broad base of understanding and enables students to experience the specifics of going to press. PERM/INST. May be repeated for credit.

AR 483 COMPUTER GRAPHICS FOR GRAPHIC DESIGNERS (0-2-2)(F/S). The student is to select an area of particular interest which will then be thoroughly explored on the computer. PREREQ: AR 333.

AR 489 SENIOR RESEARCH FOR GRAPHIC DESIGNERS (0-2-2)(F/S). The student is to select an area of particular interest which will then be thoroughly researched and investigated, this process culminating in a finished design. The design process and development of a personal problem-solving methodology are emphasized. All original work will be visually documented and substantiated through an organized presentation. Work completed in this class may be viewed as preparation for Senior Show AR 410. Work will be critiqued individually at the end of the semester. PREREQ: AR 303.

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

Department of Biology

Science/Nursing Bldg., Rm. 223
Telephone (208) 385-3262

Chair and Associate Professor: James A. Long; *Professors:* Baker, Bechard, Centanni, Douglas, Fuller, McCloskey, Rychert, Wicklow-Howard; *Associate Professors:* Dufty, Munger; *Assistant Professors:* Beltoff, Novak, Ott, Smith.

Degrees Offered

- B.S. in Biology
- B.S. in Biology, Secondary Education
- Biology Minor
- M.S. in Raptor Biology (see *Graduate College Catalog* for program details.)
- Pre-Forestry and Wildlife Management
- Minor in Environmental Studies (see page)

Degree Requirements

BIOLOGY MAJOR
Bachelor of Science

1. General University & Baccalaureate Degree requirements Credits.....30
2. Major Requirements Biology 45
   - Biology Core 20
     - General Botany BT 130 4
     - General Zoology Z 230 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
     - Mycology BT 330 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
     - Introduction to Pascal CS 113 2
     - Introduction to C CS 115 2
     - Digital Computer Program CS 124 or EN 104 2
     - Introduction to Computer Science I CS 125 3
     - Calculus and Analytic Geometry M 204 5
5. Other Electives 30
   - Area I & II electives
   - Biochemistry C 431
   - Geology Electives
   - Physics 101, 102

BIOLOGY MINOR

- General Botany BT 130.....4
- One of the following: 5-8
  - Human Anatomy & Physiology Z 111, 112
  - General Zoology Z 230
- 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 & Baccalaureate Degree Requirements Credits ...30
2. Major Requirements Credits
   - Biology.....45
   - Biology Core 20
     - General Botany BT 130 4
     - General Zoology Z 230 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 17

*A maximum of 4 credits of independent study and 4 credits of internship (8 credits total) may be counted towards fulfillment of the Biology Electives. Internships will be graded Pass/Fail.

3. Chemistry 14
   - College Chemistry C 131-134 9
   - Organic Chemistry C 317, 319 5
4. Mathematics 9
   - Algebra & Trigonometry M 111 5
   - Four or more credits chosen from the following:
     - Applied Statistics with the Computer M 120 4
     - Introduction to Pascal CS 113 2
     - Introduction to C CS 115.....2
     - Digital Computer Program CS 124 or EN 104 2
     - Introduction to Computer Science CS 125 3
     - Calculus and Analytic Geometry M 204 5
5. Education Requirements Credits 29-35
   - The following are required for Secondary Teaching Certification in Idaho:
     - Intro Secondary Teach: Classroom Observation TE 172 1
     - Foundations of Education TE 201 3
     - Educational Technology TE 356 2
     - Reading in Content Subjects TE 407 3
     - Educating Exceptional Secondary-Age Student TE 333 1
     - Educational Psychology TE 225 3
     - Secondary School Methods TE 381 3
     - Secondary School Science Methods TE 384 3
     - Secondary School Student Teaching 10-16
6. Elective Credits 0-1

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See Department of Teacher Education listing for more information.

Secondary Education Option—Major Endorsement in Biology with a Minor Endorsement in a Second Field

1. General University & Baccalaureate Degree Requirements Credits ...30
2. Major Requirements Credits
   - Biology 30
   - Biology Core 20
     - General Botany BT 130 4
     - General Zoology Z 230 5
     - Cell Biology B 301 3
     - Genetics B 343 3
     - Ecology B 423 4
     - Biology Seminar B 498 or 499 1
   - ** Biology Electives 10
     - Upper division Botany 4
     - Upper division Zoology 3-4
     - Additional B, BT, or Z elective 2-3
3. Chemistry 14
   - College Chemistry C 131-134 9
   - Organic Chemistry C 317, 319 5
4. Mathematics 9
   - Algebra & Trigonometry M 111 5
   - Four or more credits chosen from the following:
     - Applied Statistics with the Computer M 120 4
     - Introduction to Pascal CS 113 2
     - Introduction to C CS 115 2
     - Digital Computer Program CS 124 or EN 104 2
     - Introduction to Computer Science CS 125 3
     - Calculus and Analytic Geometry M 204 5
5. Education Requirements Credits 29-35
   - The following are required for Secondary Teaching Certification in Idaho:
     - Intro Secondary Teach: Classroom Observation TE 172 1
     - Foundations of Education TE 201 3
     - Educational Technology TE 356 2
     - Reading in Content Subjects TE 407 3
     - Educating Exceptional Secondary-Age Student TE 333 1
     - Educational Psychology TE 225 3
     - Secondary School Methods TE 381 3
     - Secondary School Science Methods TE 384 3
     - Secondary School Student Teaching 10-16
6. ***Minor Endorsement in a Second Field 20-32
7. Elective credits 0-9

** A Biology, Secondary Education Option major without a minor requires 45 Biology credits. A Biology, Secondary Education Option major with a minor in another area requires 30 Biology credits. A minor requires a minimum of 20 credits. In all instances a minimum of 6 credits must be in Botany and 6 credits in Zoology. Electives should be chosen with this requirement in mind.

***See Department of Teacher Education listing for information or course requirements for minor endorsements.

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 OptionMinor Endorsement in Biology

1. General University & Baccalaureate Degree Requirements 30
2. Major Endorsement Credits 30
3. Minor Endorsement in Biology Credits 20-21
   - General Botany BT 130 4
   - Microbiology B 205 4
   - General Zoology Z 230 5
   - Elective course in Botany 4
   - Elective course in Zoology 3-4
4. Education Requirements Credits 29-35
   - The following are required for Secondary Teaching Certification in Idaho:
     - Intro Secondary Teach: Classroom Observation TE 172 1
     - Found of Education TE 201 3
     - Reading in Content Subject TE 407 3
     - Educating Exceptional Secondary-Age Student TE 333 1
     - Educational Technology TE 356 2
     - Educational Psychology TE 225 3
     - Secondary School Methods TE 381 3
     - Secondary School Science Methods TE 384 3
     - Secondary School Student Teaching 10-16
5. Electives Credits 12-19

Recommended Program

BIOLOGY MAJOR
Bachelor of Science Degree

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
General Botany BT 130	-	4
College Chemistry C 131-134	4	5
Algebra & Trigonometry M 111	5	-
Math Electives	-	4-5
Area I or Area II electives	3	-
	15	16-17
SOPHOMORE YEAR		
Organic Chemistry C 317, 319	5	-
Cell Biology B 301	-	3
General Zoology Z 230	5	-
Area I or Area II electives	6	6
Other electives or Biology electives	-	7
	16	16
JUNIOR YEAR		
Genetics B 343	3	-
Area I and Area II electives	6	3
Biology electives	5	8
Other electives	3	6
	17	17
SENIOR YEAR		
Ecology B 423	4	-
Biology Seminar B 498	-	1
Biology electives	8	4
Other electives	3	10
	15	15

BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
General Botany BT 130	-	4
College Chemistry C 131-134	4	5
Algebra and Trigonometry M 111	5	-
Mathematics Electives M 120 recommended	-	4
General Psychology P 101	3	-
	15	16
SOPHOMORE YEAR		
Organic Chemistry C 317, 319	5	-
Biology Electives	-	4
Cell Biology B 301	-	3
Foundations of Education TE 201	3	-
General Zoology Z 230	5	-
Area I electives	-	6
Area II electives	3	3
Intro Secondary Teach: Classroom Observation TE 172	1	-
	17	16
JUNIOR YEAR		
Educational Psychology TE 225	3	-
Secondary School Methods TE 381	-	3
Secondary School Science Methods TE 384	-	3

Area I electives	3	-
Genetics B 343	3	-
Biology Electives	8	8
Educational Technology TE 356	-	2
	17	16

SENIOR YEAR

Biology Seminar B 498	1	-
Biology electives	5	-
Ecology B 423	3	-
Area I electives	3	-
Educating Exceptional Secondary-Age Students TE 333	1	-
Reading Content Subjects TE 407	3	-
Secondary School Student Teaching	-	10-16
Other electives	-	6-0
	16	16

PRE-FORESTRY AND WILDLIFE MANAGEMENT

This program is designed to satisfy the lower division course work 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 College of Forestry, Wildlife and Range Sciences for their junior and senior years.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
General Botany BT 130	-	4
Fundamentals of Speech CM 111	3	-
Essentials of Chemistry C 107-110	4	5
Mathematics M 105-106	4	4
Area I or II elective	3	-
Total	17	16
SOPHOMORE YEAR		
General Physics PH 101-102	4	4
General Zoology Z 230	5	-
Systematic Botany BT 305	-	4
Physical Geology G 101	4	-
Economics EC 205-206	3	3
Computer Science (Pascal) CS 113	-	2
Area I elective	-	3
Total	16	16

Other courses offered by the Biology Department that are applicable to various programs within the College of Forestry, Wildlife and Range Sciences at the University of Idaho include: Microbiology B 205; Ecology B 423; Plant Physiology BT 401; Comparative Anatomy Z 301; Ornithology Z 341; Mammalogy Z 421.

In many cases, if the student has decided upon the specific option in which they wish to receive a degree, it is possible to attend Boise State for 3 years and complete the program of study at U.of.I. in 2 additional years.

Course Offerings

See page 4 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)(F). Focuses on biological aspects of aging and the major types of anatomical and physiological changes 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)(S). Structure and function of prokaryotic cells, cellular energetics and metabolism, mitochondria and chloroplasts, cell and organelle genetics, chromosomal aberrations and medical applications of Cell Biology. PREREQ: One year of college Biology and C 317.

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 and B 301 or 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. Offered odd-numbered years. PREREQ: B 205 or B 303 or 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 (0-6-2)(F). A course in the techniques of culturing and analyzing the genetic material of Drosophila, yeast, microorganisms, viruses and plasmids. Experiments in classical, molecular and population genetics will be performed. Exercises with recombinant DNA molecules will be included. Periodic reports will be submitted. Some laboratory time will be arranged. PREREQ: prior or concurrent enrollment in B 343 required and PERM/INSTR.

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 or 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. Microbial and biochemical methods of environmental assessment. PREREQ: B 205 or B 303 or 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 205 or B 303 or PERM/INST.

B 423-423G ECOLOGY (3-3-4)(F). 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 and Z 230 or 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 Catalog* for course descriptions.

BT BOTANY

Lower Division

BT 130 GENERAL BOTANY (3-3-4)(F/S)(Area III). An introduction to plant biology, which includes the study of cells, genetics whole plant physiology and functions, ecology, classification and economic importance. Prior enrollment in high school Chemistry or prior or concurrent enrollment in college Chemistry is recommended.

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 and B 301 or PERM/INST.

BT 305 SYSTEMATIC BOTANY (2-6-4)(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 or PERM/INST.

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

BT 330-330G MYCOLOGY (3-3-4)(F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology and economic significance. Laboratory work will include projects and field trips. PREREQ: BT 130 or 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 and C 317 or 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)(S). 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). 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 230 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. PREREQ: Prior or concurrent enrollment in C 107 or C 131.

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 230 or 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.

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 230 or 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 230 and 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 230 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 230 and 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 230 or PERM/INST.

Z 400 VERTEBRATE HISTOLOGY (2-6-4)(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 230 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: one year of college biology and C 317 or 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 230 and C 317 or PERM/INST.

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

Department of Chemistry

Science-Nursing Building, Room 315
Telephone (208) 385-3963

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

Degrees Offered

- B.S. in Chemistry
- B.S. 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.

By choosing from a variety of courses, a BSU graduate with a major in chemistry will be prepared to enter graduate school, medical or other professional school, 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 recognized 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.

Boise State University offers three Bachelor of Science degrees in Chemistry. The General Emphasis degree prepares the student for employment as a chemist or for admission to medical school. The Professional Emphasis degree, which is certified by the American Chemical Society, includes additional requirements that better prepare the student for a graduate program in chemistry, including linear algebra, differential equations and two additional credits of independent study. The Biochemistry Emphasis degree prepares students for admission to medical or dental school, or for employment in technical fields requiring a strong background in chemistry with knowledge of theories and techniques in microbiology, genetics and molecular biology. In addition to a chemistry core of general, analytical, organic, inorganic and physical chemistry, requirements of the Biochemistry Emphasis degree include zoology, cell biology, microbiology and genetics. All three Chemistry degrees require a full sequence of calculus and one year of physics.

Degree Requirements

CHEMISTRY MAJOR
Bachelor of Science
General Emphasis

1. General University & Baccalaureate Degree Requirements (128 credits total).
   - General Requirements 52
     - English Composition E 101-102 6
     - Area I Core 12
     - Area II Core 12
     - Electives, Lower and Upper Division 22
   - Chemistry 53
     - College Chemistry C 131-132, 133-134 9
     - Quantitative Analysis C 211, 212 4
     - Chemical Literature C 280 2
     - Organic Chemistry C 317, 318, 319, 320 10
     - Physical Chemistry C 321, 322, 323, 324 10
     - Advanced Inorganic Chemistry C 401 6
     - Instrumental Analysis C 411 4
     - Spectrometric Identification C 440 3
     - Advanced Chemical Preparations Laboratory C 443 2
     - Independent Study C 496 2
     - Chemistry Seminar C 498 1
   - Mathematics M 204,205,206 13
   - Physics PH 211,212,213,214 10
2. Recommended Electives:
   - Foreign Language
   - Upper Division Chemistry
   - Advanced Topics in Chemistry
   - Upper Division Mathematics
   - Upper Division Physics
   - Life Science Courses

CHEMISTRY MAJOR
Bachelor of Science
Professional Emphasis

1. General University & Baccalaureate Degree Requirements (128 credits total).
   - General Requirements 43
     - English Composition E 101-102 6
     - Area I Core 12
     - Area II Core 12
     - Electives, Lower and Upper Division 13
   - Chemistry 55
     - College Chemistry C 131, 132, 133, 134 9
     - Quantitative Analysis C 211, 212 4
     - Chemical Literature C 280 2
     - Organic Chemistry C 317, 318, 319, 320 10
     - Physical Chemistry C 321, 322, 323, 324 10
     - Advanced Inorganic Chemistry C 401-402 6
     - Instrumental Analysis C 411 4
     - Spectrometric Identification C 440 3
     - Advanced Chemical Preparations Laboratory C 443 2
     - Independent Study C 496 4
     - Chemistry Seminar C 498 1
   - Mathematics M 204,205,206,301,331 20
   - Physics PH 211,212,213,214 10
2. Recommended Electives:
   - Foreign Language
   - Upper Division Chemistry
   - Advanced Topics in Chemistry
   - Upper Division Mathematics
   - Upper Division Physics
   - Life Science Courses

CHEMISTRY MAJOR
Bachelor of Science
Biochemistry Emphasis

1. General University & Baccalaureate Degree Requirements (128 credits total).
   - General Requirements 42
     - English Composition E 101-102 6
     - Area I Core 12
     - Area II Core 12
     - Electives, Lower and Upper Division 12
   - Chemistry 44
     - College Chemistry C 131, 132, 133, 134 9
     - Quantitative Analysis C 211, 212 4
     - Chemical Literature C 280 2
     - Organic Chemistry C 317, 318, 319, 320 10
     - Physical Chemistry C 321, 322 6
     - Spectrometric Identification C 440 3
     - Independent Study C 496 2
     - Chemistry Seminar C 498 1
     - Biochemistry C 431,432,433 7

Biology/Zoology 19-20
Botany/Zoology BT 130/Z 230 4-5
Bacteriology B 303 5
Cell Biology B 301 3
Genetics B 343 3
Physiology BT 401 or Z 401 or Z 409 4
Mathematics M 204,205,206 13
Physics PH 211,212,213,214 10

2. Recommended Electives:

Foreign Language	Upper Division Mathematics
Upper Division Chemistry	Upper Division Physics
Advanced Topics in Chemistry	Genetics Laboratory
Life Science Courses	

CHEMISTRY MINOR

College Chemistry C 131*, 132,133,134 9
Organic Chemistry C 317, 318, 319 8
Quantitative Analysis C 211, 212 4
*Math prerequisite.

Total 21

CHEMISTRY MAJOR, SECONDARY EDUCATION OPTION
Bachelor of Science Degree

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

1. General University & Baccalaureate Degree Requirements (128 credits total).
   - General Requirements 27-28
     - English Composition E 101-102 6
     - Area I Core 12
     - Area II Core 9
     - Electives, Lower and Upper Division 0-1
   - Major Endorsement Requirements
     - Chemistry 39-40
       - College Chemistry C 131, 132-133, 134 9
       - Quantitative Analysis C 211, 212 4
       - Chemical Literature C 280 2
       - Organic Chemistry C 317, 318, 319, 320 10
       - Physical Chemistry C 321, 322, 323, 324 10
       - Chemistry Seminar C 498 1
       - Additional Upper Division Chemistry Courses 3-4
     - Mathematics Requirements 13
       (Completion of Mathematics through M 206)
     - Physics Requirements (PH 211-212, 213-214) 10
     - Biology Requirements (BT 130 & Z 230) 9
2. Idaho Certification Requirements 29
   - Intro Secondary Teach: Classroom Observation 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 Students TE 333 1
   - Educational Psychology TE 225 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
General Emphasis

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
College Chemistry C 131,132-133,134	4	5
Mathematics M 204, 205	5	4
Area I & II Electives	3	3
Total	15	15
SOPHOMORE YEAR		
Organic Chemistry C 317, 319, 318, 320	5	5
Quantitative Analysis C 211, 212	-	4
Mathematics M 206	4	-
Physics I & II PH 211-212, 213-214	5	5
Area I & II Electives	3	3
Total	17	17
JUNIOR YEAR		
Physical Chemistry C 321, 322, 323, 324	5	5
Chemical Literature C 280	-	2
Spectrometric Identification C 440	-	3
Area I & II Electives	6	6
General Electives*	6	-
Total	17	16
SENIOR YEAR		
Advanced Inorganic Chemistry C 401	3	3
Instrumental Analysis C 411	4	-
Advanced Chemical Preparations C 433	-	2
Independent Study C 496	1	1
Chemistry Seminar C 498	-	1
Upper Division Chemistry Elective	-	3
General Electives*	8	8
Total	16	15

*Related electives to complement the students chosen emphasis.

CHEMISTRY MAJOR
Bachelor of Science
Professional Emphasis

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
College Chemistry C 131, 132-133, 134	4	5
Mathematics M 204, 205	5	4
Area I & II Electives	3	3
Total	15	17
SOPHOMORE YEAR		
Organic Chemistry C 317, 319, 318, 320	5	5
Quantitative Analysis C 211, 212	-	4
Mathematics M 206, 331	4	3
Physics I & II PH 211-212, 213-214	5	5
Area I & II Electives	3	-
Total	17	17
JUNIOR YEAR		
Physical Chemistry C 321, 322, 323, 324	5	5
Chemical Literature C 280	-	2
Spectrometric Identification C 440	-	3
Linear Algebra M 301	4	-
Area I & II Electives F or G 202-202 Recommended	6	6
General Electives	2	-
Total	17	16

SENIOR YEAR

Advanced Inorganic Chemistry C 401	3	-
Instrumental Analysis C 411	4	-
Advanced Chemical Preparations C 443	-	2
Independent Study C 496	2	2
Chemistry Seminar C 498	-	1
Upper Division Chemistry Elective	-	3
Area I & II Electives	3	-
General Electives*	3	6
Total	15	14

*Related electives to complement the students chosen emphasis.

CHEMISTRY MAJOR
Bachelor of Science
Biochemistry Emphasis

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
College Chemistry C 131, 132-133, 134	4	5
Mathematics M 204, 205	5	4
Botany/Zoology BT 130 or Z 230	-	4-5
Area I & II Electives	3	-
Total	15	16-17
SOPHOMORE YEAR		
Organic Chemistry C 317, 319, 318, 320	5	5
Calculus & Analytic Geometry M 206	4	-
Physics I & II PH 211-212, 213-214	5	5
Quantitative Analysis C 211-212	-	4
Area I & II Electives	3	3
Total	17	17
JUNIOR YEAR		
Physical Chemistry C 321, 322	3	3
Biochemistry Lecture C 432	3	3
Cell Biology B 301	-	3
Chemistry Literature C 280	-	2
Area I & II Electives	9	3
Total	15	15
SENIOR YEAR		
Spectrometric Identification C 440	-	3
Genetics B 343	3	-
Bacteriology B 303	5-	
Advanced Biology	-	4
Independent Study C 496	1	1
Seminar C 498	-	1
Area I & II Electives	3	-
General Electives*	3 or 4	8
Total	15 or 16	17

*Related electives to complement the students chosen emphasis.

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 230	-	5
General Botany BT 130	4	-
Area I or II Electives	6	-
Total	17	18
SOPHOMORE YEAR		
Organic Chemistry C 317, 319, 318, 320	5	5
Mathematics M 205-206	4	4
Physics I PH 211, 212-213, 214	5	5
Intro Seconding Teaching: Classroom Observation TE 172	1	-
Foundations of Education TE 201	-	3
Total	15	17
JUNIOR YEAR		
Chemical Literature C 280	-	2
Physical Chemistry C 321, 322, 323, 324	5	5
Quantitative Analysis C 211, 212	-	4
Educational Psychology TE 225	3	-
Reading in Content Subjects TE 407	-	3
Area I or II Electives	6	3
General Electives	0-1	9
Total	14-15	17
SENIOR YEAR		
Upper Division Chemistry Course	3-4	-
Chemistry Seminar C 498	-	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
Area I or II Electives	6	-
Total	15-16	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 4 for definition of course numbering system

C CHEMISTRY

CHEMISTRY LABORATORY FEE: A $10 laboratory fee per course is charged to all students enrolling in a chemistry laboratory.

Lower Division

C 100 CONCEPTS OF CHEMISTRY (3-3-4)(S)(Area III). A descriptive nonmathematical 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 nonscience 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 a 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 successful completion of the C 131 Math exam. 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 complexions. 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. COREQ: C 133.

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 (0-3-1)(S). Practical application of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric methods. An introduction to statistics is included. PREREQ: C 211 or concurrent enrollment.

C 280 CHEMICAL LITERATURE (2-0-2)(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.

C 286/386 DIRECTED READING IN CHEMISTRY (VARIABLE CREDIT). An individual study of a topic in chemistry arranged by the student in conjunction with a supervising member of the chemistry faculty.

C 296/396 RESEARCH IN CHEMISTRY (VARIABLE CREDIT). An individual laboratory research project in chemistry arranged by the student in conjunction with a supervising member of the chemistry faculty.

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 gase laws, thermodynamics and equilibria, introductory quantum theory and atomic and molecular structure. The spring semester will cover symmetry, spectroscopy, introductory statistical mechanics and kinetics. PREREQ: PH 102 or PH 213 and 214, M 206 or equivalent, C 134. A year's sequence (fall and spring).

C 323, 324 PHYSICAL CHEMISTRY LABORATORY (0-6-2)(F/S). Methods of physicochemical measurement, introduction to computerized data analysis and technical report writing. This course illustrates the topics covered in C 321 and 322. The fall semester to include gases, thermodynamics, phase equilibria and electrochemistry. The spring semester to include kinetics and spectroscopy. PREREQ: C 211 and 212 or PERM/INST. 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 401-401 G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F). Atomic structure, molecular structure using valence bond and molecular orbital theories, elementary group theory, transition metal coordination chemistry, acid/base theory. PREREQ: C 322 or PERM/INST.

C 411-411G INSTRUMENTAL ANALYSIS (2-6-4)(F). Theory and implementation of modern chemical instrumentation. Topics include chromatography, atomic and molecular spectroscopy, mass spectrometry, error analysis and signal processing. PREREQ: C 211 and C 322.

C 422 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. Students seeking graduate credit will be assigned additional work, including one or more term papers. PREREQ: C 322 or PERM/INST. Offered on demand.

C 431-431G BIOCHEMISTRY I (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 (3-0-3)(F/S). Identification, isolation and reactions of biologically important compounds. PREREQ: C 431.

C 433-433G BIOCHEMISTRY II (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 321.

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 280, C 318 and C 322.

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 Catalog* for course descriptions.

Department of Communication

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

Chair and Professor: Robert R. Boren; *Professors:* Cox, McCorkle, McLuskie, Mills, Parker; *Associate Professors:* Craner, Pitman, Rayborn, Rudd, Wollheim; *Assistant Professors:* Lutze, Morris, Most, Rohlfing.

Degrees Offered

- B.A. in Communication
- B.A. in Mass Communication/Journalism emphasis
- B.A. in Communication Training and Development emphasis
- B.A. in Communication, Secondary Education
- B.A. in Communication/English, Journalism emphasis
- B.A. in Communication/English, Humanities/Rhetoric emphasis
- M.A. in Communication (See Graduate College Catalog 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 B.A. 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, BSU Radio, University Television Productions, 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 B.A. degree.
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
3. Perspectives on Communication CM 421 3
   - Communication Seminar CM 498 3
   - Communication Lab CM 316 3
   - Courses for Area of Emphasis 29-36

   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 16
3. Communication Electives: 29-36
4. Other Electives: 22-32

   Total 128

Mass Communication/Journalism Emphasis

1. General University Requirements 51
2. Departmental Core Requirements 16
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 Communication Concepts & 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 Communication CM 463 or New Comm Tech CM 464 3
7. Other Electives from Communication 3

   Total Communication credits 46

Communication, Secondary Education Emphasis

1. General University Requirements 51
2. Education Requirements 29-35
   See the Teacher Education listing in this catalog.
3. Departmental Requirements 45
   A. Departmental Core Requirements 16
   B. Required Emphasis Area Courses:
      - Communication Activities CM 114/314 2-4
      - Reasoned Discourse CM 112 3
      - Interpersonal Communication CM 221 3
      - Public Speaking CM 231 3

      Nonverbal Communication CM 341 or
      Communication in the Small Group CM 251 3
      Methods of Teaching Communication CM 401 3
      Internship in Directing Forensics CM 493 1-2

      Total 18-21

   C. An additional twelve credits chosen from the following:
      - Listening CM 131 3
      - Voice and Diction CM 121 3
      - Mass Media and Society CM 171 3
      - Oral Interpretation CM 321 3
      - Rhetorical Theories CM 321 3
      - Message Analysis and Criticism CM 331 3
      - Nonverbal Communication CM 341 3
      - Intercultural Communication CM 351 3
      - Conflict Management CM 390 3
      - Persuasion CM 412 3
      - Small Group Process CM 412 3

Intercollegiate Debate CM 214/CM 414 3
Total 46-49

NOTE: It is recommended students seeking teacher certification in Communication complete a teaching minor or minors in Theatre, English, Journalism and other fields commonly taught in secondary schools. 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. Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the 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
   - Principles of Macroeconomics EC 206 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 295, P 441, SO 210, SO 310, TE 208, TE 356

2. Department Requirements 45
   - Departmental Core Requirements 16
   - Intro Communication Training & Development 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
3. Additional Communication Electives 3

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-Ethnics Studies, Political Science. (See page 3 for list of approved minors).

COMBINED MAJOR

Communication - English

Journalism Emphasis

Department requirements:

COMMUNICATION 26
- Intro to Communication Studies CM 115 1
- Perspectives of Inquiry CM 201 3
- Communication Laboratory CM 216, 316 3
- Reporting & Newswriting CM 273 3
- Research Methods CM 302 3
- Perspectives on Communication CM 421 3
- Media Ethics/Mass Comm Law CM 460/462 3
- Mass Communication Concepts & Perspectives CM 465 3
- Upper division Mass Communication or Journalism elective 4

ENGLISH 27
- British or American Literature survey 6
- Composition above the basic sequence 6
  To be chosen from Nonfiction Writing (E 201), the Creative Writing sequence or Technical Writing.
- Introduction to Language Study LI 305 3
- Upper division Literature elective (3 hrs in courses before 1800) 12

Senior Seminar - (Either CM 498 - 3 hours or E 498 - 3 hours).

Total hours: 56 (26 and 27 and 3).

Humanities/Rhetoric Emphasis

Department requirements:

COMMUNICATION 26
- Intro to Communication Studies CM 115 1
- Perspectives of Inquiry CM 201 3
- Interpersonal Communication CM 221 3
- Communication Laboratory CM 216/316 3
- Public Speaking/Oral Interpretation CM 231/241 3
- Research Methods CM 302 3
- Rhetorical Theories/Message Analysis & Criticism CM 321/331 3
- Perspectives on Communication CM 421 3
- Upper division Communication electives 4

ENGLISH 27
- British or American Literature survey 6
- Humanities HU 207, 208 3
- Advanced Writing and Linguistics 9
  To be chosen from Nonfiction Writing (E 201), the Creative Writing sequence or Technical Writing.
- Upper division electives 9

Senior Seminar - (Either CM 498 - 3 hours or E 498 - 3 hours).

Total hours: 56 (26 and 27 and 3).

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.

COMMUNICATION MINOR

Students majoring in another department may select a 25 hour communication minor. At least 10 hours of the minor must be upper division credit. No more than 3 hours may be selected from CM 216 or CM 316. No more than a total of 3 hours may be selected from CM 114, 293, 314, 451, or 493.

Course Offerings

See page 4 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/CM 314 COMMUNICATION ACTIVITIES (1-0-1)(F/S). Preparation for and participation in communication activities: Competitive forensics and community speaking, University Television Productions, or other co-curricular communication activities. PREREQ: Permission of the instructor. CM 114 and CM 314 may be repeated for up to four credits each. Not more than four credits total of CM 114, CM 214, CM 314 OR CM 414 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 SIGN LANGUAGE (3-0-3)(F/S). An introduction to sign language using American Sign Language (ASL). Emphasis is placed on initial skills and the history of sign language.

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 role of mass media in contemporary society. Emphasis on the inter-relationships 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 214/CM 414 INTERCOLLEGIATE DEBATE (1-0-1) (F/S). Preparation for and participation in intercollegiate tournament debate, including and intensive study of the current CEDA National Collegiate Debate Topic. COREQ: CM 114 or 314. PREREQ:PERM/INST. CM 214 and 414 may be repeated for up to four credits each. Not more than four credits total of CM 114, 214, 314, or 414 may be applied toward the degree in communication.

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

CM 278 COPY EDITING (3-0-3)(ALTERNATE YEARS). Theory and practice in editing local and wire news, headline writing, picture editing, evaluating news, layout and design, video display terminal operation. Examination of Associated Press style, refinement of grammar. PREREQ: E 102 and ability to use typewriter or PERM/INST.

Upper Division

CM 300 COMMUNICATION ISSUES, INDUSTRIES AND INQUIRY IN CANADA (3-0-3)(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 with a grade of C or better 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 achieving good student-teacher relationships. PREREQ: CM 255 or admission to Teacher Education Program.

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 SIGN LANGUAGE (3-0-3)(F/S). A continuation in building skills, vocabulary and techniques in American Sign Language (ASL). A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover various 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 dialogue 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 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. Application of theory through the analysis and/or 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 (Variable 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 stating 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 485 STUDIES IN THE INTERRELATIONSHIP BETWEEN GENDER AND COMMUNICATION (3-0-3)(F/S). Instruction in gender as a variable in communicative behaviors. Content varies semester to semester. Subjects may include: Gender Issues in Interpersonal and Organizational Communication; Power, Gender and Nonverbal Communication; Feminist Rhetoric.

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.

Graduate

See *Graduate College Catalog* for course descriptions.

Department of Computer Information Systems & Production Management

Business Building, Room 308
Telephone (208) 385-1181

Chair and Professor: Susan I. Brender; *Professors:* Clark, Green, Groebner, LaCava, Shannon; *Associate Professors:* Gallup, Maxson, Minch, Warberg, G. Wojtkowski, W. Wojtkowski; *Assistant Professors:* Anson, Fry.

Degrees Offered

- B.B.A., B.A. and B.S. in Computer Information Systems
- B.B.A., B.A. and B.S. in Production and Operations Management

Department Statement

Career opportunities for graduates of our Computer Information Systems (CIS) majors and Production and Operations Management (POM) majors are excellent. There is a great demand by industry and government for individuals who have a solid, educational background of the kind provided by our programs. Our students are assured of receiving a high quality education because:

We have highly qualified and dedicated faculty. All full-time faculty in the department hold doctoral degrees and are engaged in state-of-the-field scholarly work. The faculty is dedicated to the teaching profession and utilizes a variety of innovative teaching methods and technologies. Our faculty is genuinely interested in the education and well being of our students.

The curriculum is at the forefront of developments in each field and is regularly updated to reflect the many changes that have occurred. Students will be challenged with the most current thinking in their discipline.

There is a great deal of involvement with local organizations. Our department has advisory boards of business leaders who work with the department to enhance our educational mission. A number of internships are offered and students are encouraged to take advantage of such a unique learning experience. Most professors bring into class experienced professionals as guest lecturers. Many classes also require projects involving field work, in addition to on-site tours at local firms.

A state-of-the-art teaching environment is maintained in the College of Business through the implementation of the Micron Electronic Classroom, a room with full multimedia capability; and the Electronic Meeting Room, allowing for teaching and research in group decision support and electronic meetings and team building.

Student organizations provide leadership opportunities as well as educational programs. The student chapter of the Data Processing Management Association (DPMA) has had a tradition of serving the education, social and professional needs of our CIS majors. Similar advantages are offered to Production and Operations Management students through the Association of Production and Inventory Control Systems (APICS) student chapter.

After graduation, our students will join a distinguished group of alumni, many of whom hold key positions at some of our nation's best organizations. Many of our alumni are actively involved in supporting our programs.

Technology, global competition, and the demand for greater productivity are changing the nature of business. Graduates of our CIS and POM programs will receive an education to help prepare for exciting and challenging leadership career positions to bring about change.

Recommended Programs

COMPUTER INFORMATION SYSTEMS MAJOR
Bachelor of Business Administration Degree

Computer Information Systems (CIS) is a field of study merging several different disciplines such as organizational behavior, management, accounting, management science and computing technology. The central focus of CIS is the development and maintenance of information technology to support organizational business processing and decision making activities. The basic purpose of the program is to prepare students for careers in providing information technology services. For example, a CIS major would have a number of career tracks to consider including end-user computing, database administration, application programming, systems analysis and development, information center service, operations, communications specialist and information resource management. The CIS program provides thorough education in computing and general business, along with a broad background in the arts and sciences. The CIS program emphasizes a balance between technological, human and organizational considerations involving the application of information technology.

	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 102	3	-
Core electives (Area I, II, III)	6	4
Non-Business Electives	-	6
Total	16	17
SOPHOMORE YEAR		
Principles of Microeconomics EC 205	3	-
Principles of Macroeconomics EC 206	-	3
Statistical Techniques I & II PR 207-208	3	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
End-User Computing IS 217	3	-
Procedural Language Course	-	2-3
Legal Environment of Business GB 202	-	3
Core electives (Area I, II, III)	3	3
Total	15	17-18
JUNIOR		
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 & Social Respon GB 360	-	3
CIS Major Elective	-	3
Total	15	15
SENIOR YEAR		
CIS Major Electives	3	3
Organizational Behavior MG 401	3	-
Upper division Production Management Elective**	3	-
Information Resource Management IS 490	-	3
Business Policies GB 450	-	3
*International Business Elective	-	3

Non-Business Electives	7	3
General Electives	-	1-2
Total	16	16

*CIS majors may choose any of the regularly scheduled upper division international business or economics courses. Special topics courses must have CIS advisor approval.
**Accepted electives include PR 366, PR 380, PR 408, PR 409 and PR 416.
NOTE: All courses in the major must be completed with a grade of 'C' or higher.

COMPUTER INFORMATION SYSTEMS MINOR

BSU Baccalaureate students may earn a minor in Computer Information Systems by satisfying the requirements listed below (a total of 20-21 credit hours) in addition to their major requirements. To take 300 and 400 level courses students must have applied for and been admitted to upper division standing in the College of Business.

REQUIRED COURSES: 14-15
- IS 102 Computer Applications 3
- IS 217 End User Computing 3
- IS 317 Database Management Systems 3
- IS 320 Systems Analysis and Design 3
- *Procedural Language chosen from: IS 113, 115, 125, 221 2-3

ELECTIVE COURSES: 6
- IS 361 Business Applications Programming (COBOL II) 3
- IS 380 Telecommunications 3
- IS 455 Decision Support Systems 3
- IS 490 Info Resource Management 3
- IS 497 Special Topics as offered 3

PRODUCTION AND OPERATIONS MANAGEMENT
Bachelor of Business Administration

The Production and Operations Management (POM) major is dedicated to insuring United States manufacturing and service industries are highly productive and competitive in today's global economy. To accomplish this objective, the POM major integrates fundamentals from most of the functional areas of business such as information management, finance, economics, accounting and marketing with the analytical techniques and skills necessary for competent decision making. Classes emphasize quality and productivity through real applications and interaction with practitioners from local businesses and government. Students are encouraged to add depth to their study through internships and directed independent study. Graduates should be especially well prepared for advancement to decision making positions in either the private or public sector.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Fund of Speech Communication CM 111	3	-
Intro to Logic PY 221 (Area I)	-	3
Mathematics M 105-106 or M 111-204 (Area III)	4	4
Computer Applications IS 101	-	3
Core electives (Area I, II, III)	7	3
Total	17	16
SOPHOMORE YEAR		
Legal Environment of Business GB 202	-	3
Intro to Financial & Managerial Accounting AC 205-206	3	3
Principles of Microeconomics EC 205	3	-
Principles of Macroeconomics EC 206	-	3
Statistical Techniques I, II PR 207-208	3	3
Non-Business Electives	6	3
Total	15	15
JUNIOR YEAR		
Intro Management Information Systems IS 310	3	-
Principles of Marketing MK 301	3	-
Principles 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
The Tools of Quality PR 380	-	3
Business Communications AS 328	3	-
Management Science Models PR 366	-	3
Cost Accounting AC 351	-	3
Non-Business Electives	1	-
**Free Electives	-	3
Total	16	18
SENIOR YEAR		
Organizational Behavior MG 401	3	-
Manufacturing Systems PR 408	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
Non-Business Electives	3	3
Free Electives	-	4
Total	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.
NOTE: All courses in the major must be completed with a grade of 'C' or higher.

Course Offerings

See page 4 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 102 COMPUTER APPLICATIONS (3-0-3)(F,S). This course is a continuation of IS 101. The course will include the following subjects, among others: operating systems, hardware and network interfaces, PC support and software in business environments. PREREQ: IS 101 or equivalent.

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 102.

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 102.

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-user 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 and IS 217.

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 makers. 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 and Upper division business standing.

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 and Upper division business standing.

PR 380 THE TOOLS OF QUALITY (3-0-3)(S). This course will introduce the basic tools of quality and the quality planning tools which are widely used by organizations in the U.S. and around the world. Emphasis will be placed on understanding how the tools are implemented to aid in quality improvement. Examples of successful and unsuccessful applications will be presented. PREREQ: PR 345, Upper division business standing and PERM/INST.

PR 381 QUALITY MANAGEMENT IMPLEMENTATION (3-0-3) (F/S). This course focuses on planning, assuring, controlling and managing the quality efforts within a manufacturing or service organization. The critical elements of implementing a successful quality management program are discussed. Among the topics addressed in this course are current quality thought, Kaizen techniques, bench marking, quality maturity analysis, supplier/customer partnering, value-adding management and quality leadership issues. The course will draw heavily from the experience of successful organization from throughout the world. Case studies will be utilized. PREREQ: PR 345, Upper division business standing or PERM/INSTR.

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 and Upper division business standing.

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 and Upper division business standing.

PR 416 PURCHASING AND DISTRIBUTION SYSTEMS (3-0-3)(F). This course introduces concepts associated with purchasing and distribution in manufacturing and service systems. Typical purchasing topics will include supplier selection, legal and ethical considerations, order size and timing. Typical distribution topics will include transportation modeling, carrier selection, materials handling and flow analysis. PREREQ: MG 301, PR 345 and Upper division business standing.

PR 493 INTERNSHIP (Variable Credit) (F/S). Field learning in a Production and Operations Management environment under supervision of both a manager and a professor. PREREQ: Upper division business standing.

Department of Construction Management and Engineering

Technology Building, Room 240
Telephone (208) 385-3764

Chair and Professor: Marvin Gabert; *Professors:* Affleck, Parks; *Associate Professors:* Guarino, Haefer; *Assistant Professors:* Gains, Kuhr, Mason.

Degrees Offered

- B.S. in Construction Management
- Lower Division Engineering for Civil, Mechanical, Chemical, Manufacturing and other Engineering disciplines.
- B.S. degrees in Electrical Engineering and Computer Engineering are available on the Boise State University 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 an education of the highest possible quality, given current constraints, in an accredited program with studies in engineering, business, communications, mathematics, physics, liberal arts and construction management so that the constructor can intelligently relate to and coordinate the efforts of owners, engineers, architects, craftsmen, contractors and other professionals to provide society with construction services of skill, responsibility and integrity.

	1st SEM	2nd SEM
FRESHMAN		
English Composition E 101-102	3	3
Area I elective	3	3
*Calculus and Analytical Geometry M 204	5	-
Materials & Methods of Architecture AR 290	3	-
Engineering Fund & Computer Programming EN 107	3	-
Engineering Graphics EN 108	-	2
Intro to Management of Construction CO 240	-	3
Area II elective	-	3
	17	14
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 Microeconomics EC 205	3	-
Construction Blue Print Communications CO 235	2	-
Contracts and Specifications CO 246	-	3
Intro to Mechanics EN 205	-	3
Intro to Managerial Accounting AC 206	-	3
Principles of Macroeconomics EC 206	-	3
	18	16
JUNIOR		
Construction Equipment & Methods CO 320	3	-
Mechanical Installations CO 351	3	-
Cost Estimating and Bidding CO 370	4	-
Statistical Techniques for Decision Making I PR 207	3	-
Finance: FI 303 or EN 382	3	-
Mechanics of Materials EN 306	-	3
Soil Mechanics and Foundation Construction CO 330	-	3
Soil Mechanics Lab GO 305	-	1
Electrical Installations CO 352	-	3
Construction Operations & Improvement CO 374	-	2
***Labor Relations course	-	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	-	3
Project Controls CO 460	-	3
Organizational Behavior MG 401	-	3
General electives	-	3
	15	15

*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, FI 201, MG 305, 330, 340, 415, MK 301, PR 345, AS 328, GB 360.
***Chosen from: MG 305, MG 330, MG 340 or MG 415.

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 take several field trips during the semester (scheduled on Friday afternoons).
3. No more than 32 credits may be taken from the College of Business.

CONSTRUCTION MANAGEMENT MINOR

Engineering Graphics EN 108	2
Construction Blue Print Communication CO 235	2
*Intro Management of Construction CO 240	3
Contracts & Specifications CO 246	3
Cost Estimating & Bidding CO 370	4
*Construction Operations & Improvements CO 374	2
*Project Scheduling CO 417	3
Total	19

*Math and/or Physics prerequisite

Recommended Engineering Programs

LOWER DIVISION ENGINEERING MAJOR

All of the following courses will transfer to either the University of Idaho or Idaho State University as well as to most other engineering colleges. BSU offers at least 80 of the 130 or more credits required for an engineering degree in nearly all of the engineering branches. Therefore, it is possible to complete a degree in approximately three semesters after transferring from Boise State University. Bachelor of Science (B.S.) degrees in electrical engineering and computer engineering are available on the Boise State University campus through the University of Idaho. Contact your BSU academic engineering advisor or the University of Idaho director of engineering education for details. The upper division (junior & senior) classes offered through the University of Idaho are listed in this section of the catalog immediately following BSU's lower division listing.

FRESHMAN YEAR

*English Composition E 102	3
**Engineering Fund & Computer Programming EN 107	3
***Calculus & Analytical Geometry M 204-205	9
College Chemistry & Lab C 131-132	4
Humanistic Social electives (see advisor)	3-9
Total	22-28

*Depending on English Placement exam or ACT/SAT score, may have to take E 101.
**Computer Engineering majors take Intro to Computer Science CS 125 or EN 107.
***Depending on Math Placement exam or ACT/SAT score, may have to take M 111.

ADDITIONAL TRANSFERABLE COURSES

BRANCH VARIATIONS

Agricultural Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Humanistic-Social electives (see advisor)	3	-
Mechanics, Waves & Heat + Lab PH 211-212	5	-
Electricity, Magnetism & Optics + Lab PH 213-214	-	5
Electrical Engineering Circuits EN 227	3	-
Differential Equations M 331	3	-
Mechanics/Statics EN 205	3	-
Mechanics/Dynamics EN 206	-	3
Calculus & Analytic Geometry M 206	-	4
Mechanics of Materials EN 306	-	3
Fluid Mechanics EN 301	-	3
	17	18

Additional available courses:

Humanistic-Social electives (see advisor)	9
Thermodynamics & Heat Transfer EN 320	3
Engineering Measurements EN 216	3
Biological Science elective	3
Total	77-83

Biological Systems Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
College Chemistry & Lab C 133-134	4
Mechanics, Waves & Heat PH 211	4
Total	32-38

SOPHOMORE	1st SEM	2nd SEM
Calculus & Analytic Geometry M 206	4	-
Electricity, Magnetism & Optics PH 213	4	-
Mechanics/Statics EN 205	3	-
Organic Chemistry C 317, 319	5	-
Humanistic-Social elective (see advisor)	3	-
Microbiology B 205	-	4
Mechanics/Dynamics EN 206	-	3
Differential Equations M 331	-	3
Cell Biol/Gen Botany/Gen Zoology B 301/ BT 130/Z 230	-	3-5
	19	13-15

Additional available courses:

Humanistic-Social electives (see advisor)	12
Fluid Mechanics EN 301	3
Mechanics of Materials EN 306	3
Fund of Statistics M 361	4
Total	**87-93

**Remaining upper division course requirements, see University of Idaho Engineering in Boise program in this catalog.

Chemical Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
College Chemistry & Lab C 133-134	4
Total	28-34

SOPHOMORE	1st SEM	2nd SEM
Organic Chemistry & Labs C 317-320	5	5
Mechanics/Statics EN 205	3	-
Calculus & Analytic Geometry M 206	4	-
Mechanics, Waves & Heat PH 211	4	-
Materials & Energy Balances ChE 223 UI@BOI	3	-
Thermodynamics & Heat Transfer EN 320	-	3
Differential Equations M 331	-	3
Electricity, Magnetism & Optics PH 213	-	4
Humanistic-Social elective (see advisor)	-	3
	19	18

Additional available courses:

Humanistic-Social electives (see advisor)	6
Prin Macroeconomics EC 206 (Hum-Soc elective)	3
Electrical Engineering Circuits EN 227	3
Fluid Mechanics EN 301	3
Mechanics of Material EN 306	3
Physical Chemistry & Labs C 321, 323	5
Total**	89-95

**Remaining upper division course requirements, see University of Idaho Engineering in Boise Program in this catalog.

Civil Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
College Chemistry C 133-134	4
Physical Geology GO 101, Microbiology B 205 or Organic Chemistry & Lab C 317, 319	5
Total	33-39

SOPHOMORE	1st SEM	2nd SEM
Calculus & Analytic Geometry M 206	4	-
Electrical Engineering Circuits EN 227	3	-
Mechanics/Statics EN 205	3	-
Engineering Measurements EN 216	3	-
Mechanics, Waves & Heat PH 211	4	-
Electricity, Magnetism & Optics PH 213	-	4
Mechanics/Dynamics EN 206	-	3
Differential Equations M 331	-	3
Mechanics of Materials EN 306	-	3
Fluid Mechanics EN 301	-	3
Intro to Civil Engineering CE 215 UI@BOI	-	2
Total	17	18

Additional available courses:

Humanistic-Social electives (see advisor)	12
Thermodynamics & Heat Transfer EN 320	3
Engineering Economics EN 382	3
Technical Writing E 202	3
Total	**89-96

**Remaining upper division course requirements, see University of Idaho Engineering in Boise program in this catalog.

Computer Engineering

FRESHMAN

Common year	22-28
Discrete & Foundational Mathematics M 156	4
Intro to Computer Science II CS 127	4
Total	30-36

SOPHOMORE	1st SEM	2nd SEM
Differential Equations M 331	3	-
Mechanics, Waves & Heat + Lab PH 211, 212	5	-
Systems & Circuits I & II EN 221, 223	4	5
Low-Level Programming CS 223	3	-
Linear Algebra M 301	4	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Data Structures & Algorithms CS 242	-	4
Programming in "C" in the Unix Environment CS 227	-	4
	19	18

Additional available courses:

Humanistic-Social electives (see advisor)	6
Programming Languages CS 354	3
Technical Writing E 202	3
Fund of Statistics M 361	4
Operating Systems CS 353	3
Total	**86-92

**Remaining upper division course requirements, see University of Idaho Engineering in Boise program in this catalog.

Electrical Engineering

FRESHMAN

Common year	22-28
Engineering Graphics	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Mechanics/Statics EN 205	3	-
Mechanics/Dynamics EN 206	-	3
Calculus & Analytic Geometry M 206	-	4
Mechanics, Waves & Heat & Lab PH 211,212	5	-
Differential Equations M 331	3	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Linear Algebra M 301	4	-
Systems & Circuits I & II EN 221, 223	4	5
Sophomore Seminar EE 292 UI@BOI	-	0
	17	17

Additional available courses:

Humanistic-Social electives (see advisor)	9
Engineering Science selected from: EN 301,306, or 320	3
Technical Writing E 202	3
Engineering Economics EN 382	3
Fund of Statistics M 361	4
Total	**82-88

**Remaining upper division course requirements, see University of Idaho Engineering in Boise program in this catalog.

Geological Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Physical Geology GO 101	-	4
Electrical Engineering Circuits EN 227	3	-
Differential Equations M 331	3	-
Mechanics/Statics EN 205	3	-
Mechanics, Waves & Heat & Lab PH 211-212	5	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Mechanics/Dynamics EN 206	-	3
Calculus & Analytic Geometry M 206	4	-
Mechanics of Materials EN 306	-	4
Fluid Mechanics EN 301	-	4
	20	20

Additional available courses:

Humanistic-Social electives (see advisor)	9
Prin Macroeconomics EC 206 (Hum-Soc elective)	3
Technical Writing E 202	3
Thermodynamics & Heat Transfer EN 320	3
Total	80-86

Manufacturing Engineering

FRESHMAN

Common year totals	22-28
Engineering Graphics EN 108	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Differential Equations M 331	3	-
Technical Writing E 202	3	-
Mechanics/Statics EN 205	3	-
Systems & Circuits I EN 221	4	-
Mechanics, Waves & Heat & Lab PH 211-212	5	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Calculus & Analytic Geometry M 206	-	4
Mechanics/Dynamics EN 206	-	3
Fluid Mechanics EN 306	-	3
Mechanical Design Analysis ME 223 UI@BOI	-	2
	18	17

Additional available courses:

Humanistic-Social electives (see advisor)	2
Thermodynamics & Heat Transfer EN 320	3
Fluid Mechanics EN 301	3
Probability & Statistics M 361	4
Total	**81-87

**Remaining upper division course requirements, see University of Idaho Engineering in Boise program in this catalog.

Mechanical Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
Mechanics, Waves & Heat & Lab PH 211-212	5
Total	29-35

SOPHOMORE	1st SEM	2nd SEM
Differential Equations M 331	3	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Mechanics/Statics EN 205	3	-
Engineering Materials ME 261 UI@BOI	3	-
Sophomore Lab ME 262 UI@BOI	2	-
Calculus & Analytic Geometry M 206	-	4
Mechanics/Dynamics EN 206	-	3
Mechanical Design Analysis ME 223 UI@BOI	-	3
Humanistic-Social elective (see advisor)	6	-
	17	15

Additional available courses:

Humanistic-Social electives (see advisor)	4
Thermodynamics & Heat Transfer EN 320	3
Electrical Engineering Circuits EN 227	3
Technical Writing E 202	3
Mechanics of Materials EN 306	3
Fluid Mechanics EN 301	3
Fund of Statistics M 361 or UI EE 314 or 324	4
Total	**84-90

**Remaining upper division course requirements, see University of Idaho Engineering in Boise program in this catalog.

Metallurgical Engineering

FRESHMAN

Common year	22-28
Engineering Graphics EN 108	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Humanistic-Social electives (see advisor)	3	-
Electrical Engineering Circuits EN 227	3	-
Differential Equations M 331	3	-
Mechanics/Statics EN 205	3	-
Mechanics, Waves & Heat & Lab PH 211-212	5	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Mechanics/Dynamics EN 206	-	3
Calculus & Analytic Geometry M 206	-	4
Mechanics of Materials EN 306	-	3
Fluid Mechanics EN 301	-	3
	17	18

Additional available courses:

Humanistic-Social electives (see advisor)	9
Technical Writing E 202	3
Physical Chemistry & Lab C 321-324	8
Math elective	3
Total	82-88

Mining Engineering

FRESHMAN

Common year totals	22-28
Engineering Graphics EN 108	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Humanistic-Social electives (see advisor)	3	-
Electrical Engineering Circuits EN 227	3	-
Differential Equations M 331	3	-
Mechanics/Statics EN 205	3	-
Mechanics, Waves & Heat & Lab PH 211-212	5	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Mechanics/Dynamics EN 206	-	3
Calculus & Analytic Geometry M 206	-	4
Mechanics of Materials EN 306	-	3
Fluid Mechanics EN 301	-	3
	17	18

Additional available courses:

Humanistic-Social electives (see advisor)	9
Technical Writing E 202	3
Engineering Measurements EN 216	3
Physical Geology GO 101	4
Total	78-84

General Engineering (IDAHO STATE)

FRESHMAN

Common Year	22-28
Engineering Graphics EN 108	2
Total	24-30

SOPHOMORE	1st SEM	2nd SEM
Engineering Measurements EN 216	3	-
Systems & Circuits I EN 221 or EN 227	4	-
Differential Equations M 331	3	-
Mechanics/Statics EN 205	3	-
Mechanics, Waves & Heat & Lab PH 211-212	5	-
Electricity, Magnetism & Optics & Lab PH 213-214	-	5
Mechanics/Dynamics EN 206	-	3
Calculus & Analytic Geometry M 206	-	4
Mechanics of Materials EN 306	-	3
Fluid Mechanics EN 301	-	3
	18	18

Additional available courses:

Humanistic-Social electives (see advisor)	12
Fund of Speech Communication CM 111	3
Thermodynamics & Heat Transfer EN 320	3
Science elective	3
Total	81-87

Course Offerings

See page 4 for definition of course numbering system

CO CONSTRUCTION MANAGEMENT

Lower Division

CO 141 CONSTRUCTION MATERIALS & METHODS (1-3-2)(F/S). The application of construction materials, safety, building codes and an opportunity for some hands-on construction experiences such as excavation, compaction and site work; formwork and concrete; steel; carpentry; or other construction operations.

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. Friday field trips required. PREREQ: M 108 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: 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 367 CONSTRUCTION ESTIMATING (3-0-3)(F). Extracting quantity take-offs from drawings, classifying the work in accordance with the specifications, compiling and pricing estimates, developing zero-based cost estimates using CSI divisions and work break down structure; preparation of bids. PREREQ: CO 235, CO 246 and M 111 or equivalent.

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: CO 240.

CO 381 BUILDING PROJECT ESTIMATING (1-3-2)(S). The estimating and bidding of complete Building projects; including quantity takeoffs, categorizing costs, pricing, and markups; use of computers as an estimating tool, conceptual and range estimating; engineering, fast-track, target and equity sharing project estimates. PREREQ: CO 367.

CO 382 HEAVY AND HIGHWAY PROJECT ESTIMATING & BIDDING (1-3-2)(S). The estimating and bidding of complete heavy or highway projects; including quantity takeoffs, categorizing costs, pricing, and markups; use of computers as an estimating tool, conceptual and range estimating; engineering, fast-track, target and equity sharing project estimates. PREREQ: CO 367.

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 CO 240.

CO 420 REINFORCED CONCRETE AND STEEL CONSTRUCTION (3-0-3)(F/S). The structural analysis and construction of reinforced concrete and structural steel systems; including vertical and horizontal loads on beams and columns; bending, shear, compressive and tensile stresses and deflection analysis and construction methods. PREREQ: EN 306.

CO 441 CONSTRUCTION SAFETY AND SUPERVISION (1-3-2)(F/S). The class provides a field opportunity for senior students to plan, provide safety procedures, quality control, supervision, monitoring and inspection of construction operations. Emphasis is placed on the safety plan and safety procedures. PREREQ: CO 141.

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 (3-0-3)(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/S). A basic course in technical drawing covering sketching, orthographic projection, sectioning, dimensioning, pictorial drawing and introduction to microcomputer drafting systems.

EN 102 COMPUTER FUNDAMENTALS FOR TECHNOLOGY (3-0-3)(F,S). Introductory course in use and applications of the computer in technology. Topics covered include DOS, word processing, simple programming, spreadsheets and problem solving with PC Solve. Also general orientation to careers in technology. COREQ: M 108 or higher level mathematics.

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). Overview of the engineering profession. Introduction to engineering analysis and problem solving using Pascal and Fortran languages plus spreadsheets. PREREQ: M 111 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: M 108 or equivalent mathematics background.

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 (3-3-4)(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. There is one three-hour laboratory per week. COREQ: M 331.

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. 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, Karnough mapping, combinational circuits, registers and arithmetic operations. PREREQ: Math equivalent to M 106, 108, 111; offered every odd numbered year.

EN 293 INTERNSHIP (Variable Credits). Cooperative education/internship in engineering. Provides on-the-job engineering experience.

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 (3-0-3)(F/S). 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.

Counseling Department

Education Building, 6th Floor
Phone (208) 385-1661

Chair and Associate Professor: Jim Nicholson; *Associate Professor:* Downs.

The counseling department houses both academic and applied counseling programs. On the academic side, it offers a variety of undergraduate classes as well as a Master of Arts program in school counseling. The latter is a sixty semester hour program with a 700 hour practicum/intern sequence designed to prepare counselors for both elementary and secondary schools.

The counseling and testing center is an accredited unit that offers a comprehensive program of counseling services. These services range from crisis intervention and brief counseling for personal and career concerns to a variety of outreach workshops and groups that address a range of adjustment issues. The center also administers a broad range of standardized tests (i.e. NTE, GRE, MCAT, CLEP and others). Any student enrolled for six or more credit hours is eligible for the services offered through this center.

Department of Criminal Justice Administration

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

Chair and Associate Professor: Robert Marsh; *Professor:* Walsh; *Associate Professors:* Foraker-Thompson, Hopfenbeck; *Assistant Professor:* Stohr.

Degrees Offered

- AS, BA and BS in Criminal Justice Administration

Department Statement

The department is central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving and full participation in public affairs. The department offers a bachelors and an associate degree in Criminal Justice Administration, participates in the Canadian Studies program and graduate courses under the MA or MS in Interdisciplinary Studies.

Upper Division Admission

Administrator: Dr. Robert Marsh
Library building, Room 220-D, Telephone (208) 385-3407

The Department of Criminal Justice Administration requires admission to upper division standing by application of all Criminal Justice Administration majors. To be admitted as a major to upper division, a student must meet the following criteria prior to enrolling in 300 level Criminal Justice Administration courses. Criminal Justice majors enrolling in upper division Criminal Justice courses without approved upper division standing will be withdrawn administratively from the courses. Upper division nonmajors will be permitted to enroll in specific courses with a documented showing of special need and permission of the instructor.

Minimum Criteria for Upper Division Admission

1. Admission to Boise State University.
2. Successful completion of a minimum of 32 credits of the lower division university core including English E 101 and E 102, Sociology - SO 101, Psychology - P 101, Political Science - PO 101, Communications - CM 111, three credits of History and eight credits of Area III Science and/or Mathematics.
3. All required lower division Criminal Justice courses must be completed with no less than a 'C' average.
4. Cumulative GPA of 2.5 or higher at the time of application.
5. Completion of at least 58 credits - including course work in progress at the time of application.
6. Selection of a degree emphasis area.
7. Submission of a completed application and current transcript at least two weeks prior to the preregistration period in which upper division course work will be requested.
8. Attainment of a passing score on the departmental qualifying examination covering material in CR 101 - Introduction to Law and Justice, CR 201 - Introduction to Criminal Justice Administration and CR 215 - Police in the United States and CR 280 - Victims of Crime. This examination will be administered each semester prior to the preregistration period.

Transfer Students: Students transferring into the Boise State University Criminal Justice program from other institutions will be evaluated by the departmental chair on an individual basis. Failure to meet the above minimum requirements will result in a delayed entrance into upper division courses until the deficiencies have been addressed.

Degree Requirements

CRIMINAL JUSTICE ADMINISTRATION
Bachelor of Arts Degree
Bachelor of Science Degree

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

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

UNIVERSITY CORE.....Credits
- English Composition E 101-E 102 6
- Arts & Humanities (Area I) 12
  (B.A. must complete three credits of Area I Core Literature and Area II History.)
- Fundamentals of Speech Comm CM 111 (Area II) 3
- General Psychology P 101 (Area II) 3
- Intro Sociology SO 101 (Area II) 3
- American National Government PO 101.....3
- Science or Mathematics (Area III) 12

CRIMINAL JUSTICE CORE:
- Computer Applications in Social Science SO 210 4
- Introduction Law & Justice CR 101 3
- Introduction to Criminal Justice Administration CR 201 3
- Police in the United States CR 215 3
- Victims of Crime CR 280 3
- Administration of Justice CR 301 3
- Public Policy & Criminal Behavior CR 315 3
- The Juvenile Justice System CR 317 3
- Criminal Law CR 321 3
- Contemporary Correctional Theory & Practice CR 362 3
- Criminal Justice Management CR 363 3
- Research Statistics CR 426 3
- Senior Tutorial CR 489 3
- Senior Seminar in Criminal Justice CR 498 3

SPECIALTY AREA COURSES

1. LAW ENFORCEMENT
   - Law of Criminal Evidence CR 275 .....
   - Law of Arrest, Search & Seizure CR 276 3
   - Comparative Criminal Justice Administration CR 451 3
     or
   - Comparative Canadian Justice CR 452 3
   - Contemporary Issues in American Policing CR 461 3
   - Field Practicum CR 490 6
   - Electives to total 128 .....22*
     (Including 3 credits of upper division)

2. COURTS/LAW
   - Law of Criminal Evidence CR 275 3
   - Law of Arrest, Search & Seizure CR 276 3
   - Methods of Legal Research CR 350 3
   - Judicial Administration & Court Management CR 381 3
   - Comparative Criminal Justice Administration CR 451 3
     or
   - Comparative Canadian Justice CR 452 3
   - Constitutional Law PO 351 3
   - Field Practicum CR 490 6
   - Electives to total 128 .....16*

3. CORRECTIONS/COUNSELING
   - Corrections in the Community CR 331 3
   - Interviewing & Counseling in Criminal Justice CR 340 4
   - Advanced Interview & Counsel in Criminal Justice CR 341 4
   - Upper division Criminal Justice Elective 3
   - Field Practicum CR 490 6
   - Electives to total 128 .....20*

4. RESEARCH
   - Methods of Legal Research CR 350 3
   - Advanced Methods Criminal Justice Research CR 428 3
   - Comparative Criminal Justice Administration CR 451 3
     or
   - Comparative Canadian Justice CR 452 3
   - Upper division Criminal Justice Electives 3
   - Field Practicum CR 490 6
   - Electives to total 128 .....22*

* Three of these elective credits must be chosen from the disciplines of:

Anthropology**	Geography**	Music	Social Work**
Art	Geology**	Philosophy	Sociology**
Biology**	History**	Physical Science**	Theatre Arts
Chemistry**	Humanities	Physics**	
Communication**	Literature	Political Science**	
Economics**	Mathematics**	Psychology**	

NOTE: BACHELOR OF ARTS DEGREE may choose the three credits from any of the above disciplines except mathematics/natural sciences (Area III courses). BACHELOR OF SCIENCE DEGREE MAJORS may choose the three credits only from those disciplines marked with a double asterisk (**).

CRIMINAL JUSTICE
ASSOCIATE OF SCIENCE PROGRAM (TWO YEAR)

	1st SEM	2nd SEM
FRESHMAN		
English Composition E 101-102	3	3
Science or Mathematics	4	4
Introduction to Law & 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 Administration CR 201	3	-
	16	16
SOPHOMORE YEAR		
Computer Applications in Social Science SO 210	4	-
Police in the United States 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 to total 64	-	7
	16	16

Course Offerings

See page 4 for definition of course numbering system

CR CRIMINAL JUSTICE ADMINISTRATION

Lower Division

CR 101 INTRODUCTION TO LAW AND 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 UNITED STATES (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 as SO 290.) An introductory survey course covering broadly the kinds of conflict that occur between person, groups, organizations and societies, with attention to why these conflicts arise, a range of peaceful solutions to conflicts using nonviolent, nonadversarial methods. The course ranges from inner personal conflict and ends with the international nuclear arms race. This course may be taken for either CR or SO credit but not both.

Upper Division

CR 301 ADMINISTRATION OF JUSTICE (3-0-3)(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 315 PUBLIC POLICY AND CRIMINAL BEHAVIOR (3-0-3)(F). Explores the biological, psychological and sociological theories of crime and criminality. Explores the policy options for the criminal justice system and society. PREREQ: Upper division Criminal Justice Administration standing.

CR 317 THE JUVENILE JUSTICE SYSTEM (3-0-3)(S). Study of the philosophy and function of the juvenile court, court procedures and law, theories of causation and intervention strategies for juveniles. Includes an evaluation and analysis of law, institutions, policies and practices of the court since inception. PREREQ: Upper division Criminal Justice Administration standing.

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 Criminal Justice Administration 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 350 METHODS OF LEGAL RESEARCH (3-0-3)(F). An introduction to methods of legal research with emphasis on the utilization of law library resources, private and government organizations as courses of legal information and on the formulation of briefs, memoranda and other documents appropriate to legal practice. PREREQ: Upper division Criminal Justice Administration standing.

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 for CR or SO credit but not both. PREREQ: Upper division Criminal Justice Administration standing.

CR 363 CRIMINAL JUSTICE MANAGEMENT (3-0-3)(F). An overview of organizational theory and administrative behavior in criminal justice agencies. Effects of leadership, technology, information systems, decision-making, court cases, personnel policies, budgeting and planning on the justice system are analyzed. PREREQ: Upper division Criminal Justice Administration standing.

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S). Study of practices and trends in court management and judicial administration; court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. PREREQ: CR 301, Upper division Criminal Justice Administration standing.

CR 426 RESEARCH STATISTICS (3-0-3)(F,SU). An introduction to basic research methods in criminal justice. Exploration of the philosophy of science, research designs and their implementation and elementary statistical techniques. Emphasis is placed on guiding students in interpreting criminal justice statistics and research. PREREQ: Upper division Criminal Justice Administration standing.

CR 428 ADVANCED METHODS OF CRIMINAL JUSTICE RESEARCH (3-0-3)(S). Advanced methods of research and analysis in criminal justice with emphasis on designing and managing research projects. Student will design and conduct their own research project. PREREQ: CR 426.

CR 451 COMPARATIVE CRIMINAL JUSTICE 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 301 and CR 362, or PERM/INST. Even numbered years only.

CR 461 CONTEMPORARY ISSUES IN AMERICAN POLICING (3-0-3)(S). Study and discussion of the major contemporary issues facing the modern police organization. Utilization of knowledge gained in CR 363 to address specific areas of enforcement at the local, state and federal levels of government. Major areas of enforcement concerns involving drugs, street gangs and increased use of firearms. PREREQ: Upper division Criminal Justice Administration standing, CR 363.

CR 489 SENIOR TUTORIAL (3-0-3)(F/S). Directed research in relevant contemporary issues in 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 Criminal Justice Administration 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 system. PREREQ: CR 201, senior Criminal Justice Administration standing or PERM/INST.

Graduate

See *Graduate College Catalog* for course descriptions.

Department of Economics

Business Building, Room 311
Telephone (208) 385-3351

Chair and Professor: Peter M. Lichtenstein; *Professors:* Payne, Reynolds, Skoro, Twight; *Associate Professors:* Draayer, Loucks; *Assistant Professors:* Raha, Sauer.

Degrees Offered

- B.A. in Economics, International Economics Emphasis
- B.A. in Economics, Quantitative Emphasis
- B.A. in Economics, Social Science Emphasis
- B.A. in Economics, Social Science, Secondary Education
- B.B.A. in Business 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 economicsa 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 pursue, along with their work in economics, a program of instruction that concentrates in the social sciences, international studies or quantitative analysis. Each of these three programs leads to a Bachelor of Arts degree "option".

Students wanting more of a business emphasis follow a program of instruction leading to a Bachelor of Business Administration degree which includes, aside from the work in economics, all of the upper and lower division 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

Those students considering or planning on graduate study in economics should complete a calculus sequence (M 204-206 or M 211-212), Linear Algebra (M 301) and Differential Equations (M 331).

ECONOMICS MAJOR
SOCIAL SCIENCE EMPHASIS
Bachelor of Arts Degree

1. Total General University and Major Requirements.....128
2. Lower Division Courses (Total).....51
   - English Composition E 101-102 or E 111-112 6
   - Literature (Area I Core) 3
   - Introduction to Philosophy PY 101 3
   - *Other Arts and Humanities (Area I Core) courses 6
   - Principles of Microeconomics EC 205 or EC 205H 3
   - Principles of Macroeconomics EC 206 or EC 206H 3
   - History of Western Civilization HY 101-102 or Problems of Western Civilization HY 201-202 6
   - Social Science (Area II Core) course 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
   - Statistical Techniques for Decision Making I PR 207 3
3. UPPER DIVISION COURSES (Total) 45
   - Intro to Management Information Systems IS 310 3
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - History of Economic Thought EC 311 3
   - Quantitative Methods in Economics EC 421.....3
   - Econometrics EC 422 3
   - Economics Electives 12
   - **Upper division social science electives 15
4. ELECTIVES ***Lower or upper division 32

* Must include at least one Area I field other than literature or philosophy.
** Selected from psychology, political science, sociology, anthropology, geography, or history.
*** Among these courses must be at least 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 Composition E 101-102 or E 111-112	3	3
Math M 105-106 or M 111-204	4-5	4-5
History of Western Civilization HY 101-102 or 201-202	3	3
Intro to Philosophy PY 101	3	-
Area I Core (third field)	-	3
Electives	3	3
Total	16-17	16-17
SOPHOMORE YEAR		
Prin of Microeconomics EC 205 or 205H	3	-
Prin of Macroeconomics EC 206 or 206H	-	3
Area I Core (Literature)	3	-
Statistics Techniques for Decision Making I PR 207	3	-
Area III Core (Science)	-	4
Intro Financial Accounting AC 205	3	-
Area II Core (except EC or HY)	-	3
Area I and II Electives	3	3
Total	15	13

JUNIOR YEAR

Interm Microeconomics EC 303	3	-
Interm Macroeconomics EC 305	-	3
History Economic Thought EC 311	3	-
Economics electives	-	6
Intro Management Information Systems IS 310	3	-
Upper division Social Science	3	6
Electives	6	3
Total	18	18

SENIOR YEAR

Quantitative Methods in Economics EC 421	3	-
Econometrics EC 422	-	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 General University and Major Requirements 128
2. LOWER DIVISION COURSES (Total) ..... 50 or 53
   - English Composition E 101-102 or E 111-112 6
   - Literature (Area I Core) 3
   - Introduction to Philosophy PY 101 3
   - *Other Arts and Humanities (Area I Core) courses 6
   - Principles of Microeconomics EC 205-205H 3
   - Principles of Macroeconomics EC 206-206H 3
   - History of Western Civilization HY 101-102 or Problems of Western Civilization HY 201-202 6
   - Social Science (Area II Core) course other than HY or EC 3
   - Calculus & Analytical Geometry M 204-205-206 or Accelerated Calculus M 211-212 13-10
   - Natural Science (Area III Core) 4
   - Intro Financial Accounting AC 205 3
3. UPPER DIVISION COURSES (Total) ..... 46 or 48
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - History of Economic Thought EC 311 3
   - Quantitative Methods in Economics EC 421 3
   - Econometrics EC 422 3
   - Economics Electives 12
   - Intro to Mgmt Information Systems IS 310 3
   - Linear Algebra M 301 4
   - Statistics M 361 or PR 207-208 ..... 4 or 6
   - Upper division Decision Science or Math electives 8
4. ELECTIVES **Lower or upper division ..... 27 or 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 noneconomics Social Sciences (Area II). These courses need not be chosen from the list of core courses. They may be either lower- or upper division.

RECOMMENDED PROGRAM

FRESHMAN YEAR	**1st SEM**	**2nd SEM**
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 Microeconomics EC 205-205H	3	-
Prin of Macroeconomics EC 206-206H	-	3
Area I Core (Literature)	3	-
Area III Core (Science)	-	4
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	12-13	16-17

JUNIOR YEAR

Inter Microeconomics EC 303	3	-
Inter Macroeconomics EC 305	-	3
History Economic Thought EC 311	3	-
Economics Electives	3	3
Intro Mgmt Information Systems IS 310	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	19	15-16

SENIOR YEAR

Quantitative Methods in Economics EC 421	3	-
Econometrics EC 422	-	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

ECONOMICS
INTERNATIONAL ECONOMICS
Bachelor of Arts

The International Economics Option is a cooperative program involving the Departments of Economics, Political Science and History. Distinctive features of the International Economics option are: (1) 24 hours of upper division course work in economics of which 9 must be in international-related economics electives; (2) 21 hours of upper division political science and history courses with an international scope [not fewer than 9 in each of these two disciplines]; and (3) language competency to be fulfilled by taking 16 hours of language courses. Completion of requirements will lead to a B.A. degree in Economics with an International Economics option.

1. Total General University and Major Requirements 128
2. Total lower division courses ..... 61 or 63
   - English Composition E 101-102 or E 111-112 6
   - Literature Area I Core 3
   - Introduction to Philosophy PY 101 3
   - Area I - Third Field 3
   - Area I - Any Field 3
   - History of Western Civilization HY 102 or History of Eastern Civilization HY 105 3
   - Prin of Microeconomics EC 205 or EC 205H 3
   - Prin of Macroeconomics EC 206 or EC 206H 3
   - International Relations PO 231 3
   - Mathematics M 105-106 or M 111-204 8-10
   - Natural Science (Area III Core) 4
   - *Foreign Language through 202 16
   - Statistical PR 207 or M 361 3
3. Total upper division courses 42-48
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - International Economics EC 317 3
   - **International Economics Elective 6
   - Economics Elective 3
   - Quantitative Methods in Economics EC 421 3

Econometrics EC 422 3
***Political Science Courses to be chosen from: 9-12
PO 311, 321, 324, 329, 333, 335, 421, 429, 451
***History Courses to be chosen from: HY 307, 308, 312, ... 9-12
316, 317, 327, 329, 330, 331, 332, 335, 368, 468, 481, 482

4. ELECTIVES from Economics or from the following list are recommended: AC 205, MK 430, GB 445, FI 430, ... 20 or 22
GG 311, 340, 350, AN 102, 311, F,G or S 376-377

*Competency in one language at the Intermediate level is required for this option. Competency may be satisfied by taking language courses (four semesters for those with no language background), by taking a language course at the 202 level, or by passing a language competency examination.
**May be chosen from EC 315, EC 319, EC 480, EC 496/497/498, or other international related economics courses.
***A total of 21 hours must be taken from Political Science and History with a minimum of 9 hours from each.

The department also recommends that each student consider participating in a studies abroad program as a way to gain international experience and to meet course requirements, especially in language and electives.

RECOMMENDED PROGRAM

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102 or 111-112	3	3
Introduction to Philosophy PY 101	3	-
History HY 102 or HY 105	3	-
Mathematics M 105-106 or 204-205	4-5	4-5
Foreign Language	4	4
International Relations PY 231	-	3
Area I Core elective	-	3
Total	17-18	17-18
SOPHOMORE YEAR		
Area I Core Literature	3	-
Principles of Microeconomics	3	-
Principles of Macroeconomics	-	3
Foreign Language	4	4
Electives	6	-
Area I Core elective	-	3
Area III Lab Science	-	4
Stat Tech Decision Making I PR 207	-	3
Total	16	17
JUNIOR YEAR		
Intermediate Microeconomics EC 303	3	-
Intermediate Macroeconomics EC 305	-	3
Upper division Political Science elective	3	-
Upper division History elective	3	-
Economics elective	3	-
Elective	4	-
International Economics EC 317	-	3
Upper division Political Science elective	-	3
Upper division History elective	-	3
International Economics elective	-	3
Total	16	15
SENIOR YEAR		
Quantitative Methods in Economics EC 421	3	-
Econometrics EC 422	-	3
International Economics elective	3	-
Upper division Political Science or History elective	3	-
Electives	3	-
Upper division Political Science elective	-	3
Upper division History elective	-	3
Electives	-	6
Total	15	15

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; Sociology; and Anthropology. 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 economics.
2. Must complete a minimum of 15 credits in each of two of the above departments (other than economics) to satisfy **graduation** requirements. However, **teacher certification** requires additional course work in these two departments. See "Minor Certification Endorsements" in the Department of Teacher Education section of this catalog.
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.

4. Total General University and Major Requirements 128
5. LOWER DIVISION COURSES (Total) 55
   - 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 Microeconomics EC 205-205H 3
   - Principles of Macroeconomics EC 206-206H 3
   - 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 Teaching: Classroom Observation TE 172 1
   - Foundations of Education TE 201 (Sophomore Year) 3
   - Educational Psychology TE 225 3
   - Intro Financial Accounting AC 205 3
6. UPPER DIVISION COURSES (Total) 46
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - Economics Electives 18
   - Reading in the Content Subjects TE 407 3
   - Educational Technology TE 356 2
   - Educating Exceptional Secondary-Age 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
7. ELECTIVES Lower or Upper Division 30
   - First Social Science Field 15
   - Second Social Science Field 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

(For students with an emphasis in Social Science Secondary Education but with a major in a field other than Economics.)

Prin of Microeconomics EC 205 3
Prin of Macroeconomics EC 206 3
Interm Microeconomics EC 303 3
Interm Macroeconomics EC 305 3
Upper division Economics 3

BUSINESS ECONOMICS MAJOR
Bachelor of Business Administration Degree

1. Total General University and Major Requirements.....128
2. LOWER DIVISION COURSES (Total).....51 or 52
   - English Composition E 101-102 or E 111-112 6
   - Other Arts and Humanities (Area I Core) courses 6
   - Principles of Microeconomics EC 205-205H 3
   - Principles of Macroeconomics EC 206-206H 3
   - Non-Economics Social Science (Area II Core) courses 6
   - Math M 105-106 or M 111-204 .....8 or 9
   - Natural Science (Area III Core) 4
   - Intro Financial Accounting AC 205 3
   - Intro Managerial Accounting AC 206 3
   - Legal Environment of Business GB 202 3
   - Statistical Techniques PR 207-208 6
3. UPPER DIVISION COURSES (Total).....51
   - Intermediate Microeconomics EC 303 3
   - Intermediate Macroeconomics EC 305 3
   - History of Economic Thought EC 311 3
   - Quantitative Methods in Economics EC 421 3
   - Econometrics EC 422 3
   - Economics Electives 12
   - Intro to Mgmt Information Systems IS 310 3
   - 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.

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	3	3
Total	16-17	16-17
SOPHOMORE YEAR		
Prin of Microeconomics EC 205-205H	3	-
Prin of Macroeconomics EC 206-206H	-	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	-
Statistical Tech Decision Making I & II PR 207-208	3	3
*Non-business Elective	3	3
Total	15	16
JUNIOR YEAR		
Intermediate Microeconomics EC 303	3	-
Intermediate Macroeconomics EC 305	-	3
History Economic Thought EC 311	3-	
Intro Management Information Systems IS 310	3	-
Management & 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	-	4
Total	15	16
SENIOR YEAR		
Quantitative Methods in Economics EC 421	3	-
Econometrics EC 422	-	3
Economics Electives	6	6
Organizational Behavior MG 401	3	-
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 Microeconomics EC 205 3
- Principles of Macroeconomics EC 206 3
- Interm Microeconomics EC 303 3
- Interm Macroeconomics EC 305 3

Any three additional upper division economics courses 9

Course Offerings

See page 4 for definition of course numbering system

EC ECONOMICS

Lower Division

205 PRINCIPLES OF MICROECONOMICS (3-0-3)(Area II). An introduction to microeconomic analysis covering supply and demand, the basic market structures, the operation of the price system and the distribution of income. Provides an introduction to some applied areas of economics such as international, regional, the public sector and economic development.

EC 206 PRINCIPLES OF MACROECONOMICS (3-0-3)(Area II). Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed.

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3) (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 205 and EC 206.) PREREQ: none.

Upper Division

EC 301 MONEY AND BANKING (3-0-3). Analysis of the role of money, credit and the financial system in the U.S. economy through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. PREREQ: EC 205, EC 206.

EC 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 205.

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 206.

EC 310 (PO 310) PUBLIC FINANCE (3-0-3)(S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing and indebtedness will be examined.

The effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local problems. This course may be taken for either EC or PO credit but not both. PREREQ: EC 205, 206, or PERM/INST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3)(F). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. PREREQ: EC 205-206.

EC 315 COMPARATIVE ECONOMIC SYSTEMS (3-0-3)(S). A comparative study of the goals and methods of various economic systems, including competitive market capitalism, centrally planned administrative socialism and worker self-management. Topics include each system's ideological foundations, institutions of property ownership and economic decision-making mechanisms. The problem of transforming centrally planned socialist economies into market economies also will be studied. PREREQ: EC 206 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 205, 206.

EC 319 DEVELOPMENT ECONOMICS (3-0-3)(S). Alternate years. This course examines economic development within the context of a global political economy. Alternative develop-ment paradigms and resulting policy prescriptions will be studied. The record of successes and failures of developing countries will be evaluated and these countries' common characteristics compared. Specific topics will include: development and income distribution; resource mobilization; agricultural and industrial development; human resource development; the role of international agencies; international trade relations; and foreign aid and investment. PREREQ: EC 205, 206.

EC 321 REGIONAL ECONOMICS (3-0-3)(F). Application of economic analysis to regional problems of structure, growth and policy. Location theory, various growth models and specific techniques such as input-output analysis, base multipliers and cost benefit analysis are developed. PREREQ: EC 205-206.

EC 322 URBAN ECONOMICS (3-0-3)(S). Focus on the structure of the urban areas, locational patterns, housing, crime, pollution, poverty, financial and transportation problems. Tools of economic analysis will be used to analyze the problems and existing and proposed policies. PREREQ: EC 205-206 or 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 205-206.

EC 333 NATURAL RESOURCE ECONOMICS (3-0-3)(F). The theoretical and policy issues associated with the use of natural resources are addressed, including property rights issues which arise when considering collective goods, externalities and common property resources. Tools used in the design and evaluation of resource policy, such as benefit/cost analysis, are covered. PREREQ: EC 205.

EC 417 (HY 417) U.S. ECONOMIC HISTORY (3-0-3)(S). Alternate years. Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. This course may be taken for either EC or HY credit but not both. PREREQ: EC 205, 206 or PERM/INST.

EC 421, 421G QUANTITATIVE METHODS IN ECONOMICS (3-0-3)(F). The first of a two semester sequence in quantitative economic analysis, this course emphasizes the application of mathematics to the construction of economic models. Topics will include equilibrium analysis, input-output analysis, comparative static analysis, optimization techniques and dynamic analysis. The methodological issues surrounding the use of quantitative techniques in economics are also strongly emphasized. May be taken for graduate credit. PREREQ: M 106 or equivalent and PR 207.

EC 422, 422G ECONOMETRICS (3-0-3)(S). The second of a two semester sequence in quantitative economic analysis. This course emphasizes the application of statistics to the construction, estimation and evaluation of econometric models. Other related topics will include: history and methodology of econometrics, forecasting, computer applications and the use of econometrics in business and government. May be taken for graduate credit. PREREQ: M 106 or equivalent, PR 207 and EC 421.

EC 440, 440G HEALTH ECONOMICS (3-0-3)(S). This course examines the economic issues associated with those individual and social decisions that influence the health of particular groups. The course also examines the production and delivery of health care and the economic and ethical aspects of health policy issues. Various economic approaches to the analysis of health policy are presented and evaluated. The focus of the course is the U.S. health care system. Comparisons will also be made to the health care systems of other nations. PREREQ: EC 205 and EC 206 and Upper division standing or PERM/INST.

EC 480, 480G SEMINAR IN INTERNATIONAL ECONOMICS (3-0-3) (F/S). An in-depth study of a particular subject of restricted scope in international economics. Students will survey the literature, discuss assigned topics and prepare and present research papers. Consult current class schedule for specific selection offered. Seminar may be repeated. PREREQ: EC 205 and EC 206 and upper division standing; or PERM/INSTR.

University of Idaho Engineering in Boise Program

Engineering Technology Building, Room 201
Telephone (208) 385-1309

Director and Associate Professor of Computer Science: Robert Rinker; *Assistant Director:* Kathy Belknap; *Electrical Engineering Faculty:* Jacob Baker, Herbert L. Hess, James N. Peterson, Richard W. Wall, Richard B. Wells

Degrees Offered

- B.S. in Computer Engineering
- B.S. in Electrical Engineering

Program Statement

As part of its statewide role and mission, the University of Idaho is pleased to be offering engineering education opportunities in the Boise area. We are presently offering complete bachelor of science degrees in Electrical and Computer Engineering in Boise, plus course work leading to bachelor degrees in Chemical, Civil and Mechanical Engineering.

Bachelor of science degrees in Electrical and Computer Engineering can be completed entirely in Boise. Upper division course work in Mechanical Engineering, Chemical Engineering and Civil Engineering is also offered, so that approximately one year of study is required in Moscow to complete the bachelors degree.

The University of Idaho College of Engineering, with the very generous cooperation of Boise State University, has been teaching classes on the Boise State University campus since 1988. The first engineering degrees earned through the Boise program were awarded in 1990. To cater to the special needs of working students, classes are scheduled in the late afternoon and evening. Courses are taught by University of Idaho engineering faculty, utilizing facilities provided by Boise State University.

Students wishing to pursue an engineering degree in Boise take most of the first two years of course work through the BSU engineering program. After two years, the student "transfers" to UI and then continues taking UI courses taught on the BSU campus.

Admission to Classes

To take upper division courses taught through the Engineering in Boise program, students must have completed certain required courses in chemistry, computer science, engineering, mathematics and physics and achieved a grade of 'C' or better in each of these courses. The specific list of courses varies with each major; please contact the UI Engineering in Boise Office for specific course lists.

Fees

Students enrolled in the Engineering in Boise program pay fees through BSU. The amount of fees is determined by the total number of credits taken, regardless of the combination of credits taken from the two universities. Students who qualify can take UI classes at no additional charge.

Financial Aid

Applications for financial aid are processed by the BSU Office of Financial Aid.

General Education Requirements

Since the degree that will be earned is a UI degree, all UI requirements for graduation must be met. One area of difference between BSU requirements and UI requirements is in the General Education (or Core) Requirements. While many of the courses listed as BSU core requirements will indeed satisfy UI core requirements, some do not. The number of credits required by UI in each core category is also different. Please consult with the UI Boise Engineering Office to determine which core courses are appropriate for a UI engineering degree.

Writing Proficiency Test

All students transferring to UI are required to take a Writing Proficiency Test administered by the UI English Department. This test is given in Boise twice a year, once in the fall and once in the spring. Please note that this test is NOT the same as the test given by the BSU English department.

Curricula

The UI Engineering curricula are subject to review and revision by UI faculty. The information listed here is intended only as a guide. Refer specific questions to the UI Boise Engineering Office.

Recommended Program

Students pursuing an engineering degree should follow the BSU recommended program for the Freshman and Sophomore years.

AGRICULTURAL ENGINEERING

		1st SEM	2nd SEM
JUNIOR			
Electrical Engineering Circuits EN 227	BSU	3	-
Fluid Mechanics EN 301	BSU	3	-
Mechanics of Materials EN 306	BSU	3	-
Probability & Statistics M 361	BSU	3	-
Communication elective	BSU	2	-
Humanistic/Social HS	BSU	3	-
Soil & Water Engr AgE 352	UI@MOS	-	3
Ag Power & Machines AgE 372	UI@MOS	-	3
General Soils 205	UI@MOS	-	3
Ag Process & Envir AgE 461	UI@MOS	-	3
Elect Power & Controls AgE 462	UI@MOS	-	3
Total		18	15
SENIOR			
Instrumentation & Meas AgE 441	UI@MOS	3	-
Ag Engr Design I AgE 478	UI@MOS	1	-
Seminar AgE 491	UI@MOS	1	-
Design of Ag Structure AgE 449	UI@MOS	3	-
Technical elective	UI@MOS	5	6
Humanistic/Social elective	BSU	3	3
Irrig System Design AgE456	UI@MOS	-	3
Ag Engr Design II AgE 479	UI@MOS	-	2
Undesignated elective	BSU	-	2
Total		16	16
Total Credits			128

BIOLOGICAL SYSTEMS ENGINEERING

		1st SEM	2nd SEM
JUNIOR			
Intro Biochemistry C 431	BSU	3	-
Intro Biochemistry Lab C 432	BSU	1	-
Fluid Mechanics EN 301	BSU	3	-
Mechanics of Materials EN 306	BSU	3	-

Probability & Statistics M 361	BSU	3	-
Humanistic/Social HS	BSU	4	-
Hydrology CE 321	UI@BOI	-	3
Properties Biology Matls BSyE 386	UI@MOS	-	3
Thermodynamics & Heat Transfer EN 320	UI@MOS	-	3
Ctrl for BioSystem BSyE 362	UI@MOS	-	3
Communication elective	BSU	-	2
Technical elective	UI@MOS	-	3
Total		18	17

SENIOR

Instr & Meas BSyE 441	UI@MOS	3	-
BioSystem Design I BSyE 478	UI@MOS	1	-
Seminar BSyE 491	UI@MOS	1	-
Engineering Economy EN 382	BSU	3	-
Technical elective	UI@MOS	6	3
Humanistic/Social elective	BSU	3	3
BioSystem Design II BSyE 479	UI@MOS	-	2
Undesignated elective	BSU	-	2
Biology Science elective	UI@MOS	-	3
Process for BioSystem BSE 461	UI@MOS	-	3
Total		17	16
Total Credits			128

COMPUTER ENGINEERING

JUNIOR		1st SEM	2nd SEM
Digital Computer Fundamentals EE 340	UI@BOI	3	-
Logic Circuit Lab EE 344	UI@BOI	1	-
Programming Languages CS 354	BSU	4	-
Electronics I & Lab EE 316-317	UI@BOI	4	-
Low-level Programming CS 223	BSU	3	-
Computer Organization EE 441	UI@BOI	-	3
Technical Communication E 202	BSU	-	3
Linear Algebra M 301	BSU	-	4
Technical elective TE	UI@BOI	-	3
Digital Systems Engineering EE 440	UI@BOI	-	3
Total		15	16

SENIOR

Prin of Design Comp E 480	UI@BOI	3	-
Fund of Statistics M 361	BSU	4	-
Technical elective TE	BSU/UI	3	-
Signals & Systems Analysis EE 350	UI@BOI	4	-
Operating Systems CS 353	BSU	3	-
Prin of Design CompE 481	UI@BOI	-	3
Upper Division HS	BSU	-	3
Technical electives TE	BSU/UI	-	3
Technical electives TE	UI@BOI	-	6
Engineering Science	BSU	-	3
Total		17	18
Total Credits			133

TE = Technical upper-division electives (at least 9 credits from either EE or CS courses).

ELECTRICAL ENGINEERING CURRICULUM

JUNIOR		1st SEM	2nd SEM
Electronics I & Lab EE 316-317	UI@BOI	4	-
Digital Computer Fundamentals EE 340	UI@BOI	3	-
Logic Circuit Lab EE 344	UI@BOI	1	-
Signal & Systems Analysis EE 350	UI@BOI	4	-
Technical Communicaiton E 202	BSU	3	-
Electronics II & Lab EE 318-319	UI@BOI	-	4
Electrical Machinery EE 320	UI@BOI	-	5
Electromagnetic Theory EE 330	UI@BOI	-	4
Elective HS	BSU	3	3
Total		18	16

SENIOR

Principals of Design EE 480	UI@BOI	3	-
Senior Seminar EE 491	UI@BOI	0	-
Eng Science elective ES	BSU	3	-
Principals of Design EE 481	UI@BOI	-	3
Engineering Economy EN 382	BSU	-	3
Technical electives TE	UI@BOI	9	9
Upper Division HS	BSU	-	3
Total		15	18
Total Credits			131

TE = Technical upper-division electives (at least 12 credits must be in EE courses).

CHEMICAL ENGINEERING CURRICULUM

JUNIOR		1st SEM	2nd SEM
Physical Chemistry & Lab C 321, 323	BSU	4	-
Reactor Kin & Des ChE 323	UI@MOS	3	-
Fluid Mechanics EN 301	BSU	3	-
Electrical Engineering Circuits EN 227	BSU	3	-
Communications elective	BSU	3	-
Unspecified HS	BSU	3	-
Bioscience elective Chem	UI@MOS	-	4
Thermo & Sep Proc ChE 330	UI@MOS	-	4
Trans & Rate Proc I ChE 430	UI@MOS	-	3
Unspecified Engr	UI@MOS	-	3
Unspecified Math	UI@MOS	-	3
Total		19	17

SENIOR

Process Analysis ChE 444	UI@MOS	3	-
Seminar ChE 491	UI@MOS	0	-
Chem Proc Anal & Des ChE 453	UI@MOS	3	-
Trans & Rate Proc II ChE 431	UI@MOS	2	-
Trans & Rate Proc III ChE 432	UI@MOS	-	3
Unspecified ChE	UI@MOS	3	-
Elective	UI@MOS	3	-
Process Control ChE 445	UI@MOS	-	3
Trans & Rate Proc Lab ChE 433	UI@MOS	1	-
Lab Che 434	UI@MOS	-	1
Chem Proc Anal & Des ChE 454	UI@MOS	-	3
Technical Unspecified TE	UI@MOS	-	4
(300 or 400 level Science or Engr course)			
Unspecified HS	UI@MOS	-	4
Total		15	18
Total Credits			134

CIVIL ENGINEERING CURRICULUM

JUNIOR		1st SEM	2nd SEM
Fund of Statistics M 361	BSU	4	-
Theory of Structures CE 342	UI@BOI	4	-
Technicial Communication E 202	BSU	3	-
Fluid Mechanics EN 301	BSU	3	-
Hydrology CE 321	UI@BOI	3	-
Thermodynamics & Heat Transfer EN 320	BSU	-	3
HS electives	BSU	-	7
TE Tech electives		-	3
Engineering Economy EN 382	BSU	-	3
Total		17	16

SENIOR

Hydraulics CE 322	UI@MOS	3	-
Mech Prop of Mat CE 357	UI@MOS	3	-
Seminar CE 491	UI@MOS	1	-

Reinforced Con Design	UI@MOS	3	-
Technical electives	UI@MOS	6	-
Sanitary CE 331	UI@MOS	-	4
Transportation CE 372	UI@MOS	-	3
Soils CE 360	UI@MOS	-	3
Technical electives	UI@MOS	-	6
Total		16	17
Total Credits			138

MECHANICAL ENGINEERING CURRICULUM

		1st SEM	2nd SEM
JUNIOR			
Dynamic Analysis in Machine Design ME 324	UI@BOI	3	-
Electrical Engineering Circuits EN 227	BSU	3	-
Technical Communication E 202	BSU	3	-
Mechanics of Materials EN 306	BSU	3	-
Fluid Mechanics EN 301	BSU	3	-
Thermodynamics & Heat Transfer EN 320	BSU	3	-
Heat Transfer ME 345	UI@BOI	-	3
Technical elective	UI@BOI	-	3
Intermediate Mech of Mat ME 431	UI@BOI	-	3
Analog & Digial Engineering EE 313	UI@BOI	-	3
Fund of Statistics M 361	BSU	-	4
Total		18	16
SENIOR			
Mech Engr Sys Design I ME 424	UI@MOS	3	-
Machine Comp Design ME 425	UI@MOS	3	-
Exp Meth for Engrs ME 330	UI@MOS	3	-
Seminar ME 392	UI@MOS	1	-
Thermal Syst Design ME 435	UI@MOS	3	-
Technical elective	UI@MOS	3	-
Mech Systems Design ME 426	UI@MOS	-	3
Senior Lab ME 430	UI@MOS	-	3
E.I.T. Exam Prep CE 411	UI@MOS	-	0
Technical elective	UI@MOS	-	6
Upper Division HS	UI@MOS	-	3
Total		16	15
Total Credits			131

UI at Boise Course Offerings

NOTE: This section lists only the required classes taught in Boise. Other courses area available. Consult the UI catalog or contact the UI Boise Engineering office for more information.

EE/XE ELECTRICAL ENGINEERING

EE 292/XE 292 SOPHOMORE SEMINAR (0)(S). Curriculum options, elective courses, prep for graduate study, and current tech topics. Field trip may be required. Graded P/F.

EE 313/XE 313 ANALOG AND DIGITAL ENGINEERING (3 cr)(S). Designed to give the non-electrical engineer a broad based hands-on approach to electrical engineering. The main focus of the course is on practical applications in analog and digital engineering through the use of data acquisition circuits, microcontrollers and operational amplifiers. PREREQ: BSU's EN 221 OR EN 227.

EE 316/XE 316 ELECTRONICS I (3 cr)(F). Introduction to application of electronic devices in electrical networks; diodes, rectifiers, power supplies, and thermal management; bipolar junction transistor principles, biasing, modeling and low-frequency small-signal application; operational amplifier fundamentals and applications. PREREQ: BSU's EN 221 and EN 223.

EE 317/XE 317 ELECTRONICS LAB I (1 cr)(F). Lab to accompany or follow EE 316. PREREQ or COREQ: EE 316.

EE 318/XE 318 ELECTRONICS II (3 cr)(S). Electronic amplifier frequency response (magnitude and phase); RC coupled amplifies in cascade; large-signal amplifies; implication of saturation and cut-off; feed-back amplifiers; intro to analog IC implementation. PREREQ: EE 316, 317.

EE 319/XE 319 ELECTRONICS LAB II (1 cr)(S). Lab to accompany or follow EE 318. PREREQ: EE 316, 317. COREQ: EE 318.

EE 320/XE 320 ELECTRICAL MACHINERY (5 cr)(S). Theory and application of electric machinery and transformers. Four lectures and one 3-hour lab a week. PREREQ: BSU's EN 221, EN 223 and PH 213.

EE 330/XE 330 ELECTROMAGNETIC THEORY (4 cr)(F). Vector calculus; electrostatics, electrodynamics; electromagnetic waves in isotropic media; Maxwell's equations; boundary value problems. PREREQ: BSU's M 206, M 331 and PH 213.

EE 340/XE 340 DIGITAL COMPUTER FUNDAMENTALS (3 cr)(F). Number systems, truth tables, logic gates, elementary combinational and sequential logic, concepts of machine language programming, introduction to data structures and subroutines, hands-on use of mini-computer stressed. PREREQ: BSU's M 204.

EE 344/XE 344 LOGIC CIRCUIT LAB (1 cr)(F). Design and construction of logic circuits. COREQ: EE 340/XE 340.

EE 350/XE 350 SIGNAL AND SYSTEMS ANALYSIS (4 cr)(S). Continuous and discrete time signal and system analysis; Fourier transforms, transforms, filtering, sampling and modulation; intro to state space methods and feedback control. PREREQ: BSU's EN 223.

EE 404/EX 404 SPECIAL TOPICS (credit arranged) (F/S). PREREQ: PERM/INSTR.

EE 440/XE440 DIGITAL SYSTEMS ENGINEERING (3 cr)(S). Advanced topics in combination logic design such as iterative logic arrays, hazard free design, and VLSI logic implementations; study of asynchronous and synchronous sequential circuits, combinational and sequential circuit design with PLA's; register transfer language design of digital system including data path and control structures with TTL including timing analysis. Preregistration required; control structures with TTL including timing analysis. PREREQ: EE 340, 344, CompE 340, 344 or XE 340, 344.

EE 441/XE 441 COMPUTER ORGANIZATION (3 cr)(S). Register transfer language design of micro and mini computer systems; micro and mini architectures including interrupt structures and software control; 8-bit and 16-bit microprocessor design including associated interfacing with RAM, ROM, and I/O. PREREQ: EE 340, CompE 340 or XE 340.

EE 480-481/XE 480-481 PRINCIPLE OF DESIGN (3 cr)(F,S) Computer-aided technology, economics, marketing, reliability, and patents; projects require original design, working model, and report. Two lectures and one 3-hour lab a week. PREREQ: for EE 480: EE 316, 317, 318, 319, 320, 330, 340, or PERM/INST PREREQ: for EE 481: EE 480, 350.

EE 491/XE 491 SENIOR SEMINAR (0 cr)(F). Technical topics, employment practice and interviewing. One lecture a week; one 3-6 day field trip may be required. Graded P/F.

ChE/XH CHEMICAL ENGINEERING

ChE 223/XH 223 MATERIALS AND ENERGY BALANCES (3 cr)(F alt yrs). Conservation of mass energy calculations in chemical process systems. PREREQ: BSU's C 131, 133 and M 205.

CE/XC CIVIL ENGINEERING

CE 215/XC 215 INTRO TO CIVIL ENGINEERING (2 cr)(S). Application of modern basic science, mathematics, and fundamental engineering principles to solutions of civil engineering problems by analytic and numeric methods. PREREQ: BSU's M 204, EN 107, EN 108, PH 211.

CE 321/XC 321 HYDROLOGY (3 cr)(F). Analysis of precipitation and runoff events; principles of climatology, evaporation, infiltration, and snowmelt. PREREQ: one semester of calculus.

CE 342/XC 342 THEORY OF STRUCTURES (3 cr)(F). Stresses and strains in statically determine and indeterminate beam, truss, and rigid frame structures; effects of moving loads; matrix displacement method. Two lectures and one 3-hour lab a week. PREREQ: BSU's EN 306.

ME/XM MECHANICAL ENGINEERING

ME 223/XM 223 MECHANICAL DESIGN ANALYSIS (3 cr)(S). Use of a design and problem solving methodology in the creation of application programs; matrix methods; numerical integration; solution of differential equations; oral/written communication. Three lec and one 2-hr open lab a wk. PREREQ: BSU's EN 107 and EN 108. COREQ: BSU's M 331.

ME 261/XM 261 ENGINEERING MATERIALS (3 cr)(F). Fundamental factors in influencing properties and section of materials. PREREQ: BSU's C 131.

ME 262/XM 262 SOPHOMORE LABORATORY (2 cr)(S). Materials foundation of mechanics; testing of structures subject to axial,torsion, and bending loads as well as thin-walled pressure vessels; use of computers for data reduction and analysis; development of engineering record keeping skills. PREREQ: BSU's EN 205, EN 107

ME 324/XM 324 DYNAMIC ANALYSIS IN MACHINE DESIGN (3 cr)(F). Kinematic, static and dynamic principles and application to analysis and synthesis of machines with emphasis on computer-aided design (CAD) technology. Two lectures and one 3-hour lab a week; one 1-day field trip. PREREQ: BSU's EN 206 and M 331; ME 223.

ME 341/XM 341 INTERMEDIATE MECHANICS OF MATERIALS (3 cr)(S). Mechanics of materials approach to three dimensional stress and strain, plates, curved beams, pressure vessels, non-circular torsion and unsymmetrical ending; introduction to elementary energy methods and advanced strength theories. PREREQ: BSU's EN 306.

ME 345/XM 345 HEAT TRANSFER (3 cr)(S). Transmission by conduction of heat in steady and unsteady states, by free and forced convention, and by radiation; combined effects of conduction, convention, and radiation. PREREQ: BSU's EN 320 and M 331; ME 223 or PERM/INSTR.

Department of English

Liberal Arts Building, Room 228Telephone (208) 385-1246

Chair and Professor: Chaman L. Sahni; Director of Graduate Studies and Professor: Dale K. Boyer; Director of Undergraduate Studies and Assistant Professor: Glenn Selander; Director of Technical Communication and Professor: Mike Markel; Professors: Davis, Dayley, Leahy, Lojek, Maguire, Martin, Trusky, Widmayer, Willis, Zirinsky; Associate Professors: Guilford, Lvkken, Ryder, Sanderson, Shirk, Uehling, Zaerr; Assistant Professors: Ackley, Anderson, Cooper, Evett, Hadden, King, McGuire, Nickerson, Robbins, Warner.

Degrees Offered

- B.A. in English, Liberal Arts
- B.A. in English, Secondary Education
- B.A. in English, General Literature emphasis
- B.A. in English, American Literature emphasis
- B.A. in English, British Literature emphasis
- B.A. in English, Linguistics emphasis
- B.A. in English, World Literature emphasis
- B.A. in English, Technical Communication
- B.A. in English, Writing emphasis
- M.A. in English (see *Graduate College Catalog* for details)
- Certificate & Advanced Certificate in Technical Communication

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 39. For information on the department's Certificates in Technical Communication, see pages 98-99.

To serve students' personal and professional goals, the department has designed several options that prepare students for lifelong learning; for graduate work in literature, language and writing as well as in the professions and business; and for careers in government, business and industry. The Liberal Arts emphasis includes a foreign language requirement that will help students prepare for careers in international contexts and for graduate programs with a foreign language requirement. The Secondary Education emphasis fulfills Idaho certification requirements and prepares students to teach in school districts throughout the country. The General Literature emphasis, by limiting specific departmental requirements, offers students flexibility in designing their programs. The American, British and World Literature emphases offer students concentration in fields that can lead to specific graduate programs or to fulfilling personal interests and goals. The Linguistics emphasis provides the opportunity for closer study of how language works and its connections with related fields such as anthropology, sociology and psychology; it also leads to graduate study and careers in linguistics and teaching English as a second language. The Technical Communication emphasis, which focuses on writing, editing and document production, prepares students for careers in business and industry for professional writing in the health fields and in science. The Writing emphasis prepares professional writers for freelance writing, writing for the fiction and poetry markets, editing and book and periodical production.

Degree Requirements

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

I. BA, English, Liberal Arts emphasis
- Specific Courses
  - Survey of British Literature E 240 and E 260 6
  - Shakespeare E 345, 346 3
  - Introduction to Language Studies LI 305 3
  - History of the English Language LI 309 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 Literature E 340, 341, 348, 349, 350, 351, 356, 358, 359 6
  - Post-1800 British-American Literature E 360, 365, 366, 369, 377, 378, 384, 386, 387, 389, 390, 485, 486 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 Literature E 340, 341, 348, 349, 350, 351, 356, 358, 359 6
  - Post-1800 British-American Literature E 360, 365, 366, 369, 377, 378, 384, 386, 387, 389, 390, 485, 486 6
  - Writing numbered 200 or higher 6
  - Language LI 306, 307, 309, 406, 407 6
  - Methods* E 301 and 381 6
  - Literature for Use in Junior & Senior High School E 481 3
  - Upper division English electives 3
  - Western World Literature E 230 or 235 3

  To be approved for student teaching, students must have:
  a. Passed Writing Proficiency Review (portfolio of writing submitted to English Department Writing Committee).
  b. Completed all courses required for the departmental core and the secondary option. In some cases the department may approve enrollment in no more than two of the following courses (LI 307, E 301, E 481, or E 498) concurrent with student teaching.
  c. Completed a speech communication class. The department recommends CM 111 or CM 112 which will also give partial fulfillment of the Area II core.
  d. Maintained a 2.50 cumulative grade point average and a 2.50 grade point average in the major.
  e. Completed Idaho Certification requirements.
- Idaho Certification Requirements** 31-37
  - Found of Education TE 201 3
  - Educational Psychology TE 225 3
  - Educating Exceptional Secondary-Age 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 Teacher Education listing for more information.

3. BA, English, General Literature emphasis
- Completion of 54 credits in English or Linguistics excluding E 101, E 102, E 111-H and E 112-H.
  a. Of these credits, 39 must be upper division, including E 498, Senior Seminar.
  b. Of the upper division credits, 15 must be in British Literature, excluding E 386, E 387, E 389, E 485 and E 486.
  c. 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 Literature E 271,272 6
  - Shakespeare, E 345 or E 346 3
  - American Renaissance E 377 3
  - American Realism E 378 3
  - Literature of the American West E 384 3
  - Folklore E 390 3
  - Senior Seminar E 498 3
- Area requirements:
  - Modern British & American Literature E 386, 387, 389, 485, 486 ...3
  - Lower division Literature 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 Brit Literature courses numbered E 340-359 12
  - Post-1800 Brit Literature courses numbered E 360-369 6
  - Electives in British or American Literature (15 upper division) 24
  - British History HY 311, 312, 338 or 432 3

6. BA, English, Linguistics emphasis
- Specific courses:
  - Intro 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 Language or Literature (i.e., E 340) or foreign Literatuare read in original language 3
  - Electives in Literature lower or upper division 15
  - Upper division electives in Literature (12 British Literature) 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 Literature E 230, 235 6
  - 19th & 20th Century Continental Literature E 336, 338 6
  - Medieval Narrative, 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 Literature E 211, 213, 217, 240, 260, 271 or 272 6

English Literature courses from E 340-369 9
Upper division electives in Literature or Linguistics 9
World Drama TA 341, 342, or 445 3
History, other than US or British 6

8. BA, English, Technical Communication Emphasis
   - Specific courses:
     Nonfiction Writing E 201 3
     Technical Rhetoric E 302 3
     Advanced Nonfiction Writing E 401 3
     Advanced Technical Communication E 402 3
     Technical Editing E 403 3
     Document Production E 405 3
     Internship E 493 6
     Senior Seminar E 498 3
     Linguistics LI 305, 306, 406 6
     Business Ethics & Social Responsibility GB 360 3
     Intro Management Information Systems IS 310 3
   - Area Requirements: 21
     Communication 6
     Chosen from: Fund of Speech CM 111, Perspectives of Inquiry CM 201, Research Methods CM 302, Interviewing CM 307, Rhetorical Theories CM 321, Organizational Communication CM 361, Communication Graphics CM 379, Conflict Management CM 390, Public Relations CM 478, Studies in Interpersonal Communication CM 481, Studies in Mass Communication CM 482, Studies in Organizational Communication CM 483, Studies in Rhetoric and Public Persuasion CM 484.
   - Management: 6
     Chosen from: Management & Organizational Theory MG 301, Organizational Behavior MG 401, Management of Technology MG 405, Organizational Theory & Bureaucratic Structure SO 487.
   - Upper division Literature electives 9
9. BA, English, Writing emphasis
   - Specific courses:
     Nonfiction Writing E 201 3
     Technical Communication E 202 or
     Technical Rhetoric E 302* 3
     Introduction to Language Studies LI 305 3
     Advanced Nonfiction 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 linguistics LI course 3
     Lower division Literature electives 6
     Upper division Literature electives 12
     Additional upper division E or LI electives 9
     Interdisciplinary electives: CM 264, 273, 321, 373, 473, 474; PY 221; TA 340; or other writing-related courses outside the department approved in advance by the English Department 6

*Students take E 302 if they plan to go on to E 402, Advanced Technical Communication.

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 Writing Proficiency Review (portfolio of writing submitted to English Department Writing Committee).

Theatre Arts Minor For English Majors

Technical Theatre TA 117 4
Technical Theatre TA 118 4
Acting TA 215 3
Major Production Participation TA 331 1
One of the following:
- Stage Voice TA 233 2
- 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 hours in Theatre Arts Minor for English Major ..... 20 or 21

Combined Major, Communication and English

The combined major is designed for students interested in jobs in business and industry or mass communication. It offers an 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.

Technical Communication

The Certificate in Technical Communication and the Advanced Certificate in Technical Communication are intended to enhance the education of students who are seeking a baccalaureate degree or who already have a baccalaureate degree. Each certificate will consist of five courses: three required courses in technical communication, as well as two related, approved electives. Students who wish to substitute an alternative course for one of the two listed electives may petition the Director of Technical Communication.

The Certificate in Technical Communication is intended for under-graduate students or post-baccalaureate students who wish to improve their skills as communicators. The Advanced Certificate is intended for advanced undergraduate and graduate students.

Certificate in Technical Communication

REQUIRED:
Business Ethics and Social Responsibility GB 360 3
Technical Rhetoric E 302 3
Advanced Technical Communication E 402 3
Two of the following: 5-6
- Basic Design AR 105 3
- Basic Design AR 106 3
- Architectural Graphic Communication AR 156 3
- Computer Design for Graphic Designers & Artists AR 333 4
- Interpersonal Communication CM 221 3
- Public Speaking CM 231 3
- Communication in Small Groups CM 251 3
- Intro Communication Training & Development CM 255 3
- Interviewing CM 307 3
- Organizational Communication CM 361 3

Public Relations CM 478 3
Studies in Interpersonal Communication CM 481 3
Engineering Graphics EN 108 2
Intro Management Information Systems IS 310 3
Introduction to Language Studies LI 305 3
Organizational Behavior MG 401 3
Management of Technology MG 405 3
Promotion Management MK 306 3
Conflict Management SO 390 3
Organizational Theory & Bureaucratic Structure SO 487 3

Advanced Certificate in Technical Communication

REQUIRED:
Advanced Technical Communication E 512 3
Technical Editing E 513 3
Ethics of Technical Communication E 514 3
Two of the following: 5-6
Computer Design for Graphic Designers & Artists AR 333 4
Interviewing CM 307 3
Organizational Communication CM 361 3
Public Relations CM 478 3
Studies in Interpersonal Communication CM 481 3
Intro Management Information Systems IS 310 3
Instructional Design IP 537 3
Introduction to Language Studies LI 305 3
Organizational Behavior MG 401 3
Management of Technology MG 405 3
Promotion Management MG 306 3
Conflict Management SO 390 3
Organizational Theory and Bureaucratic Structure SO 487 3
Instructional Course ware Design TE 538 3

English Composition Core Requirement

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

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

Testing dates are announced the prior semester and coincide with the make-up administrations for students enrolled in E 101 and E 102. There is an administration fee of $10.00 per testing, payable at the BSU Cashier Office (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 or SAT score.
3. Successful Challenge of E 101 or E 102 by taking the departmentally specified test.
4. Students who score in the 80th percentile or above on the ACT or SAT are exempt from E 101. E 102 is required.
5. The Computer Placement Test (CPT) is 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

   For testing times and locations, contact the English Department Writing Program Office, LA 256C, 385-1423.

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

Course Offerings

See page 4 for definition of course numbering system

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests equivalent to those administered to Boise State University freshmen will be required to take only the essay section of the placement tests. See 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 CPT score is below 20th percentile. Also for basic review. Successful completion of competency test required.

E 101 ENGLISH COMPOSITION (3-0-3)(Core). Introductory college writing and critical reading, with the goal of producing well-organized and effective expository essays. Emphasis on writing thoughtful, accurate discussions of reading, observations and ideas; developing the writer's voice and inventiveness; and editing for style and conventions of standard usage. Successful completion of competency test required. PREREQ: ACT or SAT percentile score of 20 or above, or P (Pass) in E 010 or E 123.

E 102 ENGLISH COMPOSITION (3-0-3)(Core). Emphasis on researching, reading and writing about texts from various disciplines. Practice in exposition, to include summarizing, synthesizing and evaluating sources. Successful completion of competency exam required. PREREQ: Grade of C or above in E 101 or ACT/SAT percentile score of 80 or above.

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. Honors 112 concentrates on epic poetry, drama and the novel. Normal prerequisite: SAT or ACT of 80th percentile or above for E 111. Successful completion of competency tests 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. Graded Pass/Fail. PREREQ: Placement exam and recommendation from Foreign Student Admissions.

E 122 COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(F/S). Practice in reading and composition, development of special vocabulary skills related to individual needs, advanced English sentence structure. Graded Pass/Fail. PREREQ: Placement exam and recommendation from Foreign Student Admissions or grade of Pass in E 121.

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. Successful completion of the competency exam required. Graded Pass/Fail. Successful completion of E 123 qualifies the student for entrance into E 101. PREREQ: Placement exam and recommendation from Foreign Student Admissions or grade of Pass in E 122.

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 NONFICTION WRITING (3-0-3)(F,S). Further development of skills and strategies learned in E 102. Student will study and write nonfiction prose, particularly research and persuasive writing. Writing practice will stress the writer's awareness of his or her own style and the manipulation of stylistic elements. PREREQ: E 102.

E 202 TECHNICAL COMMUNICATION (3-0-3)(F/S). An overview of the principles and applications of technical communication for those students who expect to write on the job. Assignments are related to each student's background and field of interest. Topics include letters, instructions, reports and technical presentations, as well as audience analysis, the writing process, graphics, document design and the ethics of technical communication. PREREQ: E 102 or PERM/INST.

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 literary aspects with discussions of notable concepts in major writings. PREREQ: E 102.

E 213 AFRICAN-AMERICAN LITERATURE (3-0-3)(S). The African-American experience reflected in the development of African-American literature. The course relates African-American writing to its social and cultural conditions, exploring recurrent, characteristic themes, techniques and genres from slavery to present. Emphasis on such writers as Frederick Douglass, Langston Hughes, Richard Wright, Zora Neale Hurston, Alice Walker and contemporaries. 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 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. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of skepticism and rebellion. PREREQ: E 102.

E 240 SURVEY OF BRITISH LITERATURE TO 1790 (3-0-3)(F)(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 in-service teaching.

E 302 TECHNICAL RHETORIC (3-0-3)(F/S). An introduction to the rhetoric of technical communication for English majors and others who are considering a career in the field. Topics include the visual rhetoric of graphics and document design, the ethics of technical communication and the principal rhetorical modes (narration, description, exposition and argumentation) as they are employed in technical communication. E 102 or PERM/INST.

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 socioeconomic 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 1994/1995.

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 1995/1996.

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

E 341 MEDIEVAL NARRATIVE (3-0-3)(F/S). Representative English and continental narrative literature, including such works as Beowulf, Sir Gawain and the Green Knight, Arthurian romances by Chretien de Troyes and Marie de France, The Song of Roland and Dante's Divine Comedy. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years.

E 342 MEDIEVAL DRAMA (3-0-3)(F/S). An investigation of the development of theater in Europe from the early Middle Ages through the early Renaissance. Readings will provide a survey of representative works, but the focus will be on the English Corpus Christi plays. Production of one of these plays will be a part of the course. PREREQ: Three credits lower division literature or PERM/CHAIR. Alternate years.

E 343 MEDIEVAL ARTHURIAN LITERATURE (3-0-3)(F/S). The origins of the Arthurian legend. Beginning with the earliest references to King Arthur, the material traces the development of the tales through Geoffrey of Monmouth, Chretien de Troyes, the Welsh Mabinogion, miscellaneous isolated tales and Thomas Malory's Le Morte D'Arthur. PREREQ: Three credits lower division literature or PERM/CHAIR. Alternate years.

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 of literature or PERM/CHAIR.

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

E 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 1995/1996.

E 349 ELIZABETHAN AND JACOBEAN DRAMA (3-0-3)(F/S). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster and Ford. PREREQ: Three credits of literature or PERM/CHAIR. Alternate years. Offered 1994/1995.

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 of literature or PERM/CHAIR. Alternate years. Offered 1995/1996.

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 1994/1995.

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 of literature or PERM/CHAIR. Alternate years. Offered 1994/1995.

E 358 RESTORATION AND EIGHTEENTH CENTURY POETRY AND PROSE (3-0-3)(F/S). A study of literary currents in the British Enlightenmentfrom 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 of literature or PERM/CHAIR. Alternate years. Offered 1995/1996.

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 industriallism to mysticism, their purposes from amusement to reformation. PREREQ: Three credits literature or PERM/CHAIR. Alternate years. Offered 1994/1995.

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 Brontes, Trollope, Eliot and Hardy. PREREQ: Three credits of literature or PERM/CHAIR.

E 375 LITERATURE OF THE NEW REPUBLIC (3-0-3)(F/S). A study in the first generation of the American literary experience (from the 1700's to the 1830's), when the founders of the republic shaped American character and culture. Includes such writers as Charles Brockden Brown, James Fenimore Cooper, Hanna Foster, Washington Irving and Catherine Maria Sedwick. PREREQ: Three credits of literature or PERM/CHAIR.

E 376 NINETEENTH-CENTURY AMERICAN NONFICTION (3-0-3)(F/S). Studies some of our nation's most central texts selected from the expression prompted by slavery, the Civil War, westward expansion and rapid social and intellectual changes. Includes writers such as John Burroughs, George Catlin, Mary Boykin Chesnut, Frederick Douglass, Charlotte Perkins Gilman, Ulysses S. Grant and Harriet Jacobs. 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 386 TWENTIETH-CENTURY BRITISH FICTION (3-0-3)(F/S). This course studies the varied literary movements in British fiction against the background of British historical and cultural change in the 20th century. Representative writers will include such names as Joseph Conrad, Ford Madox Ford, E.M. Forster, Virginia Woolf, James Joyce, D.H. Lawrence, Joyce Cary, Doris Lessing, William Golding, Fay Weldon, Wole Soyinka, Peter Carey, Martin Amis, Jeanette Winterson, Anita Brookner and Margaret Forster. PREREQ: Three credits of literature or PERM/CHAIR.

E 387 TWENTIETH-CENTURY AMERICAN FICTION (3-0-3)(F/S). A comprehensive investigation of the form and modes of modern American thought and literary directions through a study of representative fiction of the 20th century. Readings will be selected from such American writers as Willa Cather, F. Scott Fitzgerald, Richard Wright, William Faulkner, Ernest Hemingway, Flannery O'Connor, Saul Bellow, Ishmael Reed, Leslie Marmon Silko and Paul Auster. PREREQ: Three credits of literature or PERM/CHAIR.

E 389 TWENTIETH-CENTURY DRAMA WRITTEN IN ENGLISH (3-0-3)(F/S). A study of plays, theory and dramatic practice as they developed in the twentieth century, including such playwrights as G.B. Shaw, J.M. Synge, Sean O'Casey, Arthur Miller, Eugene O'Neill, Samuel Beckett, Lorraine Hansberry, Tom Stoppard, Peter Shaffer, Caryl Churchill, Athol Fugard, August Wilson and Wole Soyinka. 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 391 NORTH AMERICAN INDIAN FOLKLORE AND LITERATURE (3-0-3)(F/S). An examination of traditional Native American world views and belief systems as reflected in oral narratives and written literature. Study topics include aspects of cosmology, religious life, seasonal round and life cycle as presented in the oral redactions of specific tribal/culture areas and in the literary poetry and prose of major creative writers. PREREQ: Three credits lower division literature.

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

E 401 ADVANCED NONFICTION WRITING (3-0-3)(F/S). Advanced practice in nonfiction genres and study of how writers read and learn from other writers. Experimentation with subjects, voice, organization and style. Students may take the course twice, for a total of 6 credits. PREREQ: E 201.

E 402 ADVANCED TECHNICAL COMMUNICATION (3-0-3)(F/S). An advanced study of technical communication for those students who are considering a career in the field. Assignments are related to each student's background and field of interest. Topics include in-depth work in technical style and the common kinds of documents produced in business and industry, including proposals, progress reports, completion reports, and manuals. PREREQ: E 202 or E 302 or PERM/INST.

E 403 TECHNICAL EDITING (3-0-3)(F). Explores the fundamentals of editing, enabling students to apply a variety of editing skills to technical materials for specific audiences. Focuses on the role of the editor in organizational settings, basic editorial activities, methods for analyzing, critiquing and revising manuscripts for different audiences and techniques for successful writer/editor dialogues. Includes techniques for verbally and visually polishing documents for publication and, if needed, a review of mechanical correctness. PREREQ: E 402 or PERM/INST.

E 405 DOCUMENT PRODUCTION (3-0-3)(F/S). Study and application of the principles of producing effective technical documents. Topics include the relationship between page layout and readability, techniques for combining textual and non-textual information and the use of word processing and technical graphics software. The course will be taught as a workshop and students will produce basic technical documents, such as brochures, data sheets, flyers, reports and manuals, on personal computers. PREREQ: E 403 or PERM/INST.

E 410 TWENTIETH-CENTURY AMERICAN NONFICTION (3-0-3)(F/S). American nonfiction prose from 1900 to present, including autobiography, biography, history, journalism, social and cultural criticism, science and nature writing. Typical authors include W.E.B. Dubois, H.L. Mencken, James Agee, Norman Mailer, Joan Didion, John McPhee, Annie Dillard, Tom Wolfe, Truman Capote, Leslie Marmon Silko, Maxine Hong Kingston, Loren Eiseley and Wallace Stegner. PREREQ: Three credits of literature 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 413 THE NEW LITERATURES IN ENGLISH (3-0-3)(F/S). An introduction to the important authors, themes, characteristics and developments in the newly emerging literatures written in English outside the traditions of Britain and the United States. Focus on contemporary writers from Africa, Australia, Canada, India, New Zealand, Pakistan and West Indies, with an introduction to the cultural and socio-political background of each country. PREREQ: Three credits of literature or PERM/CHAIR.

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 485 BRITISH AND AMERICAN POETRY: 1900-1945 (3-0-3)(F/S). A study of the radical changes that W.B. Yeats, T.S. Eliot, Ezra Pound, William Carlos Williams and others made in poetry's traditional aesthetic and thematic concerns, as seen in their work from the turn of the century through two world wars. PREREQ: Three credits literature or PERM/CHAIR. Offered alternately with E 486.

E 486 BRITISH AND AMERICAN POETRY: 1945-PRESENT (3-0-3)(F/S). A study of significant poets beginning or reaching the culmination of their careers in post-World War II England and America. Concerns include the influences on their writing of earlier poets, including the Modernists and the nature of the categories, such as those designated "Movement," "Confessional," and "Feminist," into which critics, scholars and their peers place these poets. PREREQ: Three credits literature or PERM/CHAIR. Offered alternately with E 485.

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/S). 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. The course will cover word formation and sentence structure, including transformational, structural and newly developing theories of grammar.

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

LI 309 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(F/S). A study of the periods in the development of English; Indo-European and Germanic backgrounds; development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. PREREQ: LI 305 or PERM/CHAIR.

LI 406 PSYCHOLINGUISTICS (3-0-3)(F/S). The study of language in relation to mind and cognition. Topics include the relationship between language, thought and memory; language acquisition; language disorders; and the psychological processes involved in speaking, listening, reading, writing and spelling. PREREQ: LI 305.

LI 407-407G APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S). Designed to help teachers in the bilingual classroom or 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 1995/1996.

LI 411 (AN 411) LANGUAGE, CULTURE AND SOCIETY (3-0-3)(S). (Cross listed AN 411). The course provides an introduction to the nature of the relationships among language, culture and society. Major topics explored are: language and thought; conversational theory; the ethnography of communication; language change; language variation; speech communities; pidgins and creoles; diglossia, code switching and mixing; solidarity and politeness. Several languages are examined in specific social and cultural contexts. LI 305 or a foreign language recommended. This course may be taken for LI or AN credit but not both. Offered alternate years.

Department of Geosciences

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

Chair and Professor: Paul R. Donaldson; *Professors:* Bentley, Hollenbaugh, Pelton, Spinosa, Waag, White, Wilson, Wood; *Associate Professor:* Snyder; *Assistant Professor:* Michaels; *UoI Assistant Professor:* Osiensky; *Visiting Research Professors:* Dougherty, Gillerman, Zollweg.

Degrees Offered

- B.S. in Geology
- B.S. in Geophysics
- B.S. in Earth Science Education, Secondary Education
- M.S. in Geology: cooperative program with Idaho State University (See *Graduate College Catalog* for details).
- M.S. in Geophysics (See Graduate College Catalog for details).
- M.S. in Education, Earth Science emphasis (See *Graduate College Catalog* for details).
- Minor in Environmental Studies (see page 48)

Special Information for Students

The curriculum leading to the B.S. 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 B.S. 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 leading to the B.S. 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. Refer to Graduate College Catalog. For details regarding the Master of Science in Geology and the Master of Science in Geophysics refer to the Graduate College Catalog.

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

Non-degree course offerings in Geography meet the 15 credit require-ment 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 Requirements

1. General university & B.S. degree requirements 30
   Note that Area III is fulfilled by the major requirements below.
   Recommended Core Courses:
   Area I, Foreign Language (201 or higher)
   Area II, Economics, Geography
2. Major Requirements:
   Geology and Geophysics 55
   Physical Geology GO 101 4
   Historical Geology GO 103 4
   Mineralogy GO 221 4
   Field Geology GO 280 3
   Petrology GO 323 3
   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 12
   College Chemistry C 131, 132, 133, 134 9
   Physics
   Option I: (Recommended for students planning graduate studies)
   Mechanics, Waves & Heat & Lab PH 211, 212 5
   Electricity, Magnetism & Optics + Lab PH 213-214* 5
   *Physical Chemistry & Lab C 321, 323 can be substituted for PH 213, 214
   Option II:
   General Physics PH 101-102 8
   Mathematics M 204-205* or M 211-212 9-10
   (Mathematics through M 206 is recommended for students planning graduate studies.)
   *CS 124 and M 225 or an acceptable STATISTICS course may be substituted for M 205.
   Basic Surveying EN 215 or Cartography GG 220 2-3
   Free Electives 14-19

EARTH SCIENCE EDUCATION MAJOR

Bachelor of Science Degree Requirements

1. General university & B.S. 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: 36
   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 GG 213 3
   Mineralogy GO 221 4
   Geomorphology GO 313 3
   Petrology GO 323 3
   Petrography GO 324 1
   Senior Seminar GO 498 or 499 1
   Upper division Geology course or GG 331 or GP 300 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 230 9
   Algebra & Trigonometry M 111 5
4. Education Requirements for Secondary Education: 27-33
   Intro Secondary Teaching: Classroom Observation TE 172 1
   Foundations of Education TE 201 3
   Educational Psychology TE 225 3
   Educ the Except Secondary Student TE 333 1
   Reading in Content Subject TE 407 3
   Secondary School Science Methods TE 384 3
   Secondary School Methods TE 381 3
   Secondary Student Teaching 10-16

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the Teacher Education listing for more information.

GEOPHYSICS MAJOR

Bachelor of Science Degree

1. General university & B.S. 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 Applications Digital Signal Process GP 420 3
   - Geology 27
     - Physical Geology GO 101 4
     - Historical Geology GO 103 4
     - Mineralogy GO 221 4
     - Field Geology GO 280 3
     - Petrology GO 323 3
     - Petrography GO 324 1
     - Sedimentation and Stratigraphy GO 310 4
     - Structural Geology GO 314 4
   - Chemistry 7
     - College Chemistry & Lab C 131, 132 4
     - College Chemistry C 133 (C 134 not required) 3
   - Physics 13
     - Mechanics, Waves and Heat & Lab PH 211, 212 5
     - Electricity, Magnetism and Optics & Lab PH 213, 214 5
     - Electricity and Magnetism PH 381 3
   - Mathematics 24
     - Digital Computer Programming CS 124 or EN 104 2
     - Calculus & Analytic Geometry M 204 5
     - Calculus & Analytic Geometry M 205 4
     - Calculus & Analytic Geometry M 206 4
     - Vector Calculus M 320 2
     - Differential Equations M 331 3
     - Linear Systems & Signal Processing 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

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
College Chemistry C 131, 132-133, 134	4	5
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
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 division Geology & Geophysics electives	0-3	6-10
	16-19	16-20
SUMMER OF JUNIOR YEAR		
Summer Field Camp GO 482-483	6	-
SENIOR YEAR		
Senior Seminar GO 498 or 499	-	1
Area I and II Electives	6	3
Free Electives at least 3 cr of upper division	3	6
Invertebrate Paleontology GO 351	3	-
Upper division Geology & Geophysics electives	4	4
	16	14

EARTH SCIENCE EDUCATION MAJOR

FRESHMAN YEAR	1st SEM	2nd SEM
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
Mineralogy GO 221	4	-
Petrology & Petrography GO 323-324	-	4
Foundations of Education TE 201	-	3
Intro to Secondary Education TE 172	1	-
Intro to Meteorology GG 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 TE 225	3	-
Reading in Content Subject TE 407	-	3
	16	16
SENIOR YEAR		
Area II Core Classes	6	-
Secondary Student Teaching	-	10-16
Intro Descriptive Astronomy PH 105	4	-
Geology Seminar GO 498, 499	1	-
Educ Except Secondary Student TE 333	1	-
Electives	0-5	0-3
	14-17	13-16

GEOPHYSICS MAJOR

FRESHMAN YEAR	1st SEM	2nd SEM
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 Programming EN 104 or CS 124	-	2

Area I	3	-
Elective	3	-
	17	17
SOPHOMORE YEAR		
Mineralogy GO 221	4	-
Field Geology GO 280	3	-
Calculus & Anal Geometry M 205	4	-
Petrology GO 323	-	3
Petrography GO 324	-	1
Calculus & Anal Geometry M 206	-	4
Mechanics, Waves and Heat & Lab PH 211, 212	5	-
Area I or II	-	3
	16	11
JUNIOR YEAR		
Differential Equations M 331	3	-
Electricity, Magnetism and Optics & Lab PH 213, 214	-	5
Gravimetric and Magnetic Methods GP 310	3	-
Sedimentation & Stratigraphy 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	-
SENIOR YEAR		
Linear Systems & Signal Proc CS 426	4	-
Elec & Mag (advanced) PH 381	3	-
Exploration Well Logging GP 410	3	-
Geophysical Applications Digital Signal Processing GP 420	-	3
Area I & II	6	6
Elective	-	3
	16	12

Course Offerings

See page 4 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.

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 human landscapes.

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 210 SURVEY OF WORLD REGIONAL GEOGRAPHY (3-0-3)(F/S). A survey of human population and their relationship to their physical environments. Countries, regions, cultures, ethnic geography, religion, language and major economic units will be discussed. Students will learn to use maps, aerial photos and reference materials.

GG 213 INTRODUCTION TO METEOROLOGY (3-0-3)(F). A study of weather phenomena in terms of origin, distribution and classification. Instruments and research methods are also investigated. PREREQ: GG 101 or GO 101 or PERM/INST.

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: GG 102 PERM/INST.

GG 311 WORLD ECONOMIC GEOGRAPHY (3-0-3)(F/S). Economic Geography is the study of the areal 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 SLAVIC STATES (3-0-3)(F/S). A study of physical and cultural phenomena that have shaped the urban and rural landscapes of the fifteen republics. 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)(Lab fee)(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)(Lab fee)(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. Pre-historic 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 221 MINERALOGY (2-4-4)(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 specimen 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 410 OPTICAL MINERALOGY (1-3-2)(F). (Alternate years) A study of the behavior of light in crystals and the use of the polarizig microscope in the examination

and identification of minerals in immersion media and thin sections. PREREQ: GO 324.

GO 280 FIELD GEOLOGY (1-6-3)(F)(Lab Fee)(Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereo-pair air photos, Brunton compass, transit 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, 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 370 ENVIRONMENTAL GEOLOGY (3-0-3)(S)(Alternate Year). A study of the ways that geological materials and processes constrain human interaction with the natural environment. This includes the availability and use of geological resources, dealing with waste disposal and pollution and minimizing the impact of geological hazards. PREREQ: An introductory course in geography or geology.

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. PREREQ: GO 323 or PERM/INST.

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. PREREQ: GO 323 or PERM/INST.

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 451-451G PRINCIPLES OF SOIL SCIENCE (3-0-3)(F/S). Major aspects of soil science, including the physical, chemical and biological characteristics of soils will be presented in the classroom lectures. Demonstration laboratory exercises and field trips will be required. PREREQ: Background in Geology and Chemistry.

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 selected 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 weeks-6 CR)(SU). Fundamentals of geologic mapping. Hands-on operation of seismic, magnetic, gravimetric and electrical field and borehole geophysics 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 is 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 geotomography in terms of the Radon transform. Emphasis is on problem solving and the development of skills in applied mathematics. PREREQ: M 331.

GS GENERAL SCIENCE

GS 305 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3-0-3)(S)(alternate years). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of scienceboth 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 Health, Physical Education and Recreation

Gymnasium, Room 209
Telephone (208) 385-1570

Chair and Professor: Glenn Potter; *Professors:* Button, Hoeger, Kozar, Pfeiffer, Vaughn; *Associate Professors:* Fahleson, Lewis, Petlichoff, Thorngren; *Assistant Professors:* Dopp, Gibson, Wallace; *Special Lecturers:* Craner, Koto, Moore, Sandmire, *Educational Consultant:* Wade.

Degrees Offered

- B.S. in Athletic Training
- B.S. in Physical Education, Secondary Education
- B.S. in Physical Education, Non-Teaching Options
- Biomechanics, Exercise Science or Health Promotion
- M.S. in Exercise and Sport Studies (See *Graduate College Catalog* for more details)

Department Statement

The Department of Health, Physical Education and Recreation has as its major focus the comprehension, development and promotion of a healthy lifestyle. Our purpose through teaching, research and service activities is to help others enjoy, improve and enrich their quality of life through the three domains of learning: a) psycho/motor developing motor skills and engaging in vigorous fitness activities; b) cognitive understanding, comprehending and experiencing skillful movement through physical activity, games and sports; and c) affective cultivating positive attitudes, beliefs and values through participating in leisure ventures; displaying appropriate conduct in group activities; and achieving self-fulfillment and wellness.

Students completing a course of study within the Department will have acquired and demonstrated pre-identified knowledge and skills in movement, fitness and program planning. These competencies, as well as the ability to make informed professional decisions, will occur through an in-depth series of activity, theory and practicum experiences. The result will enable graduates to be models of the profession and to interact effectively with people as they espouse the philosophy of a healthy and skillful lifestyle

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

1. Teaching Option: For students seeking to certify as teachers at the 6-12 or K-12 grade levels. Complimentary areas of emphasis include:
   A. Coaching: College of Education majors who want special preparation for public school coaching should pursue this alternative.
   B. Athletic Training: For those who desire to prepare for the National Athletic Trainers Association Certification Examination and qualify as an Athletic Trainer/Teacher in a school setting.
   C. Health: For students requesting a minor in health education.
2. Biomechanics: Majors seeking additional understanding of the mechanical bases of human movement for coaching, research or preparation for graduate school.
3. Exercise Science: Majors desiring a strong biological sciences and exercise physiology background as preparation for graduate school.
4. 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.

5. 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 October 1 or March 1 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:

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	General Physics (Area III Core)
C	Chemistry Sequence (Athletic Training, Exercise Science only)(Area III Core)
Z 111-112	Anatomy and Physiology (Area III Core)
TE 201	Found of Education (Teaching option only) (Area II Core)
PE 100	Health Education
PE 101	Foundations of PE
PE 114	Fitness Foundations
PE 113, 150, 151, 153, 155, 156, 159, 203, 212	Sport and Fitness Activities. Teaching Option (5 credits); Non-Teaching Options, except Athletic Training (3 credits).
PE 121	Standard First Aid & CPR or equivalent
PE 230	Applied Anatomy
PE 284	Microcomputers in PE or equivalent

3. The student's cumulative GPA will determine acceptance to upper division standing according to:
   A. 2.50 or above = acceptance
   B. below 2.50 = denial
   Students not qualifying for admittance to upper division standing can reapply once their GPA is raised to at least a 2.50 and they have a "C" or better grade for each of the courses listed in item #2 above.
4. Each faculty member will be given an opportunity to submit in writing to the Chair recommendations as well as reservations regarding each student's:
   A. involvement in professional activities (i.e. Physical Education Majors and Minors Club (PEMM), departmental projects, attendance at professional activities).
   B. performance level in fitness, academic and motor skills.
   C. commitment to becoming a model physical educator.
   The Chair will be obligated to discuss the issue(s) with the student as 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 OPTIONS
ATHLETIC TRAINING
Bachelor of Science Degree

GENERAL UNIVERSITY CORE REQUIREMENTS

English Composition E 101-102 (Core)	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
Fitness Foundations PE 114	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
Psycho/Social Aspects of Activity PE 401	3
Adapted Physical Education - PE 451	3
Total	28-33

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 First Aid and CPR. This can be met by completing PE 121 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 the Teacher Education listing for more information.

Program Requirements

6-12 PHYSICAL EDUCATION, SECONDARY EDUCATION

FRESHMAN YEAR

English Composition E 101-102 (Core)	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
*Sport & Fitness Activities	4
Standard First Aid & CPR PE 121	1
Area I Core	3
Elective (recommend Intro Coaching PE 107)	2
	33

SOPHOMORE YEAR

Applied Anatomy PE 230	3
Microcomputers in PE - PE 284 or equivalent	3
Intro to Teaching Physical Educaton: Classroom Observation PE 271	1
Found of Education TE 201 (Area II Core)	3
Fund of Speech Communication CM 111 (Area II Core)	3
Found of Physical Science PS 100 (Area III Core) or	4
General Physics PH 101 (Area III Core)	
Area I Core-Second & Third Fields	6
Area II Core-Sociology Elective	3

*Sport & Fitness Activities 4
Adolescent Psychology P 212 3
33

JUNIOR YEAR
Curriculum Proficiency PE 300 2
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
*Sport & Fitness Activities 2
Educational Psychology TE 225 3
Educational Technology TE 356 2
Secondary School Methods TE 381 3
Educating Exceptional Secondary-Age Students TE 333 1
Area I Core-Any Field 3
31

SENIOR YEAR
Psycho/Social Aspects of Activity PE 401 3
Reading in Content Subject TE 407 3
Adapted Physical Education PE 451 3
Organization and Administration of Physical Education PE 457 2
Student Teaching 10-16
Electives 10
31-37

NOTE: *All 6-12 PE majors must successfully complete PE 113, 114, 150, 151, 153, 155, 156, 159 203, & 212.

PHYSICAL EDUCATION, NON-TEACHING OPTION
BIOMECHANICS EMPHASIS

FRESHMAN YEAR
English Composition E 101-102 (Core) 6
General Psychology P 101 (Area II Core) 3
Human Anatomy & Physiology Z 111-112 (Area III Core) 8
Health Education PE 100 3
Foundations of Physical Education PE 101 3
Rhythmic Skills/Dance PE 113 1
Fitness Foundations PE 114 1
Track & Field PE 212 1
*Sport & Fitness Activity 1
Area I Core-Philosophy Elective 3
Digital Computer Programming CS 124/EN 104 2
32

SOPHOMORE YEAR
Applied Anatomy PE 230 3
Microcomputers in PE - PE 284 or equivalent 3
Standard First Aid & CPR PE 121 1
Fund of Speech Communication CM 111 (Area II Core) 3
Area II-Core-Any Field 3
Calculus & Analytic 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
33

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-2 & 3rd Fields 6
Area I Core-Any Field 3
Area II Core-Sociology Elective 3
Mechanics/Statics EN 205 3
Mechanics/Dynamics EN 206 3
32

SENIOR YEAR
Adapted Physical Education PE 451 3
Psycho/Social Aspects of Activity PE 401 3
Internship PE 493 6
*Electives 19
31

NOTES: *Fitness and Sport Activities select from PE 150, 151, 153, 155, 156, 159 or 203.
RECOMMENDED ELECTIVES: (19 credits, of which 14 must be upper division to meet graduation requirements) chosen from EN 301, 306; M 331, 361; PH 207, 341; P 305.

PHYSICAL EDUCATION, NON-TEACHING OPTION
EXERCISE SCIENCE EMPHASIS

FRESHMAN YEAR
English Composition E 101-102 (Core) 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
Found of Physical Education PE 101 3
Rhythmic Skills/Dance PE 113 1
Fitness Foundations PE 114 1
*Sport & Fitness Activity 2
Standard First Aid & CPR PE 121 1
Area I Core-Philosophy Elective 3
31

SOPHOMORE YEAR
Applied Anatomy PE 230 3
Microcomputers in Physical Education PE 284 or equivalent 3
Internship PE 293 3
Area II-Core-Any Field 3
Fund of Speech Communication CM 111 (Area II Core) 3
Found of Physical Science PS 100 (Area III Core)
or 4
General Physics PH 101 (Area II Core)
Area I Core-Second Field 3
Area II Core-Sociology Elective 3
College Chemistry & Labs 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
Health Promotion PE 417 3
**Electives 9
33

NOTE: *Sport & Fitness Activities - select two credits from PE 150, 151, 153, 155, 156, 159, 203 or 212.
RECOMMENDED ELECTIVES: **(16-21 credits) chosen from: B 205, Z 230,409, C 318-320,431, P 305, PH 207, RT 225,307, H 220,300, TE 225.

PHYSICAL EDUCATION, NON-TEACHING OPTION
HEALTH PROMOTION EMPHASIS

FRESHMAN YEAR
English Composition E 101-102 (Core) 6
Human Anatomy and Physiology Z 111-112 (Area III Core) 8

Essen of Chemistry C 107-110 (Area III Core) Recommended 9
Found of Physical Education PE 101 3
Rhythmic Skills/Dance PE 113 1
Fitness Foundations PE 114 1
*Sport & Fitness Activity.....2
Area I Core-Philosophy Elective 3
33

SOPHOMORE YEAR
General Psychology P 101 (Area II Core) 3
Health Education PE 100 3
Standard First Aid & CPR PE 121 or equivalent 1
Applied Anatomy PE 230 3
Microcomputers in PE - PE 284 or equivalent 3
Fund of Speech Communication CM 111 (Area II Core) 3
Found of Physical Science PS 100 (Area III Core) or PH 101 4
Area I Core-Second & Third Fields 6
Area II Core-Sociology Elective 3
Area II-Core-Any Field 3
32

JUNIOR YEAR
Human Growth & Motor Learning PE 306 3
Evaluation in Physical Education PE 309 3
Exercise Physiology PE 310 3
Kinesiology PE 311 3
Conditioning Procedures PE 313 2
Electives-Fitness Activities 2
Nutrition H 207 3
Drugs: Use & Abuse H 109 3
Area I Core - Any Field 3
Management & Organizational 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 & Administration PE 415 3
Health Promotion PE 417 3
Internship PE 493 1 + ...3
Area II Core 3
Organizational Behavior MG 401 3
**Electives 10
32

NOTE: *Select two credits from PE 150, 151, 153, 155, 156, 159, 203 and 212.
RECOMMENDED ELECTIVES: **(10 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

The Boise State University Athletic Training Program (BSU-AT Program) is currently the only NATA approved undergraduate major in the Northwest. The BSU-AT Program operates within the Department of Physical Education. Graduates have the option of either a teaching or non-teaching Bachelor of Science degree.

Please note that this program is an NATA Undergraduate Program, therefore it is not possible to earn a Masters Degree in Athletic Training at Boise State University.

Undergraduate preparation in Athletic Training includes study in both academic and clinical settings. Academic preparation includes an extensive group of classes, with all of the following:

Medical Terminology
Introduction to Athletic Injuries
Advanced Athletic Training
Injury Evaluation
Training Room Modalities
Theory & Application of Therapeutic Exercise
Internship in Athletic Training

The clinical program includes working in the athletic treatment centers on campus, being directly associated with an intercollegiate team, assisting with the intramural program, as well as with various sports events held both on and off campus. In addition, BSU is fortunate to be the only institution in the Western United States with a private sports medicine clinic on campus, the Idaho Sports Medicine Institute. Internships are also available at local high schools, hospitals and physical therapy clinics in the Boise area.

Student athletic trainers are required to complete a minimum of 800 clinical hours in addition to the academic requirements. After a student has completed all the requirements they are recommended to take the NATA National Certification Examination. This exam consists of written simulation, objectives and an oral practical component. Upon successful completion, the student is granted Certified Status through the NATA.

Student athletic trainers work under the direct supervision of NATA approved Clinical Instructors both on and off campus providing a vital medical support team for the various activity programs. The BSU-AT program is committed to providing the highest quality program of study for future professionals in the Athletic Training Field.

All applicants should be aware that AT is a "limited enrollment" program. That is, only a limited number of students can be admitted into the upper division courses during an academic year. Candidates are selected on the basis of their previous academic performance, admission to upper division standings in the HPER Department, related experiences, overall attitude and demonstrated interest. Students can only apply after they have completed two years of undergraduate course work.

Applications must be submitted no later than April 15th, in order to be considered for the following academic year.

For information phone Dr. Ron Pfeiffer, A.T.C., Curriculum Director at (208) 385-3709.

FRESHMAN YEAR
English Composition E 101-102 (Core) 6
General Psychology P 101 (Area II Core) 3
Human Anatomy & 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
Standard First Aid & CPR PE 121 1
Medical Terminology H 101 3
Intro to Philosophy PY 101 (AREA I) 3
32

SOPHOMORE YEAR
Applied Anatomy PE 230 3
Microcomputers in PE - PE 284 3
Internship PE 293 2
Nutrition H 207 3
Intro Athletic Injuries PE 236 3
Fund of Speech Communication CM 111 (Area II Core) 3
Found of Physical Science PS 100 (Area III Core)
or.....1
General Physics PH 101 (Area III Core)
Area I Core-Second Field 3
Essentials of Chemistry & Labs C 107-110 (Area III Core) 9
33

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
Internship PE 493 (2 + 1) 3
34

SENIOR YEAR

Kinesiology PE 311 3
Psycho/Social Aspects of Activity PE 401 3
Theory & Application of Therapeutic Exercise PE 406 3
Injury Evaluation PE 422 2
Health Programs: Methods & Administration PE 415 3
Health Promotion PE 417 3
Adapted Physical Education PE 451 3
Internship PE 493 (2 + 1) 3
Electives 6
29

Pre-physical therapy students should take M 111 or Chem 131-134 instead of C 107-110 & Physics 101-102 instead of PS 100. It is also recommended that specific prerequisite course requirements be checked for the physical therapy schools the student plans to apply to and possibly attend.

Physical Education Minor Teacher Certification Requirements

HEALTH EDUCATION FOR NON-PHYSICAL EDUCATION MAJORS

Health Education PE 100 3
Fitness Foundations PE 114 1
Standard First Aid & CPR PE 121 1
First Aid Instructor Training course PE 123 1
Health Programs: Methods & Administration PE 415 3
Anatomy and Physiology Z 107 4
Nutrition H 207 3
ELECTIVES: Select two (5-6)
Drugs, Use and Abuse H 109 3
Human Sexuality P 261 3
Consumer Health PE 405 2
Death: A Confrontation for Everyone P 291 3
Psychology of Aging P 313 3
Total 21-22

HEALTH EDUCATION MINOR FOR PHYSICAL EDUCATION MAJORS

First Aid Instructor Training course PE 123 1
Health Programs: Methods & Administration PE 415 3
Nutrition H 207 3
ELECTIVES: Select two (5-6)
Drugs, Use and Abuse H 109 3
Human Sexuality P 261 3
Consumer Health PE 405 2
Death: A Confrontation for Everyone P 291 3
Psychology of Aging P 313 3
Total 12-13

ATHLETIC TRAINING MINOR FOR PHYSICAL EDUCATION MAJORS

Essentials 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-Athletic Training PE 293 2
Conditioning Procedures PE 313 2
Psycho/Social Aspects of Activity PE 401 3
Advanced Athletic Training PE 402 3
Training Room Modalities PE 403 2
Injury Evaluation PE 422 2
Theory & Application of Therapeutic Exercise PE 406 3
Internship-Athletic Training PE 493 6
Health Promotion PE 417 3
Total 45

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 1 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:
Standard First Aid-CPR PE 121 1
Intro Athletic Injuries PE 236 3
American Red Cross Certification in First Aid-CPR 0
One Coaching Methods Course selected from:
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
Internship in Coaching Youth Sports PE 293
or equivalent experience 1
subtotal 4-8

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/Social Aspects of Sport PE 401 3
Coaching, Nature of Profession PE 430 2
One Coaching Methods selected from:
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
Two skills courses that compliment coaching methods courses: ..... 1+1
Internship "Interscholastic Athletics" PE 493 3
Total 22-30

K-12 ENDORSEMENT FOR PHYSICAL EDUCATION MAJORS

Child Psychology P 211 3
Elemary School P E Methods PE 361 3
Elementary Student Teaching-Specialty Area TE 477 4-8
Total 10-14

Course Offerings

See page 4 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 majors 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/DANCE (0-3-1)(F/S). Professional activity. Instruction and practice in rhythmic skills, (locomotor, non-locomotor and manipulative) and dance, emphasizing concepts, fundamental and practical application. Required of all 6-12 PE majors.

PE 114 FITNESS FOUNDATIONS (0-3-1)(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 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 (1-1-1)(F/S). Instruction in and application of basic skills utilizing the multi-media approach to first aid and CPR training. Required of all PE majors.

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 138 WEIGHT MANAGEMENT (1-0-1)(F/S). A healthy approach to weight loss is presented. Students will learn to self-monitor their progress towards attainment of ideal weight using a simple 100-point scoring system. Behavioral changes in the areas of nutrition and exercise are facilitated by an optional support group composed of class members. Pass/Fail. May be taken for Physical Education credit or Health Science credit (H 138), but not both.

PE 139 STRESS MANAGEMENT (1-0-1)(F/S). A series of exercises are presented to help students identify the various sources of stress in their lives, expand their repertoire of appropriate stress management techniques and develop an action plan for the effective management of stress. Behavioral changes which facilitate stress management are reinforced by an optional support group composed of class members. Pass/Fail. May be taken for Physical Education credit or Health Science credit (H 139), but not both.

PE 140 PREPARING FOR DRUG FREE YEARS (1-0-1)(F/S). An alcohol/drug education program that empowers parents of children age 9-12 to reduce the risk that their children will develop alcohol/drug problems. Program is based on contemporary research which shows parents can make a difference. Pass/Fail. May be taken for Physical Education credit or Health Science credit (H 140), but not both.

PE 150 A.BADMINTON/B.RACQUETBALL (0-3-1)(F/S). Professional activities. Instruction and practice in badminton/racquetball activities, emphasizing concepts, fundamentals, strategy, conditioning and practical application. Required of all 6-12 PE majors.

PE 151 A.BASKETBALL/B.VOLLEYBALL (0-3-1)(F/S). Professional activities. Instruction and practice in basketball/volleyball activities, emphasizing concepts, fundamentals, strategy, conditioning and practical application. Required of all 6-12 PE majors.

PE 153 A.FLAG FOOTBALL/B.AEROBIC CROSS-TRAINING (0-3-1)(F/S). Professional Activities. Instruction and practice in flag football/aerobic activities, emphasizing concepts, fundamentals, strategy, conditioning and practical application. Required of all 6-12 PE majors.

PE 155 A.GOLF/B.BOWLING (0-3-1)(F/S). Professional activities. Instruction and practice in golf/bowling activities, emphasizing concepts, fundamentals, strategy, conditioning and practical application. Required of all 6-12 PE majors. Special fee required.

PE 156 A.SOFTBALL/B.TENNIS (0-3-1)(F/S). Professional activities. Instruction and practice in softball/tennis activities, emphasizing concepts, fundamentals, strategy, conditioning and practical application. Required of all 6-12 PE majors.

PE 159 A.SOCCER/B.TUMBLING (0-3-1)(F/S). Professional activities. Instruction and practice in soccer/tumbling activities, emphasizing concepts, fundamentals, strategy, conditioning and practical application. Required of all 6-12 PE majors.

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 (0-3-1)(F/S). Recreational games and activities designed for school settings with emphasis on concepts, materials, methods and teaching progressions. Required of all 6-12 PE majors.

PE 212 TRACK AND FIELD (0-3-1)(F/S). Professional activity. Instruction and practice in track and field events emphasizing concepts, basic skills and techniques, conditioning and practical application. Required of all 6-12 PE majors.

PE 217 WRESTLING (0-2-1). Professional activities. Instruction and participation in wrestling for development of basic skills and techniques, emphasizing fundamentals, conditioning and practical application. 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 or concurrrent enrollment in Z 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.

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 upon 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 and PE 212.

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 271 INTRODUCTION TO TEACHING PHYSICAL EDUCATION: CLASSROOM OBSERVATION (1-1-1)(F/S). Participants will be required to observe and report

systematic and anecdotal recordings of teaching/learning events in public school gymnasiums. In addition, students will be asked to take on a more active, teacher assistant role on several occasions throughout the semester.

PE 282 EMERGENCY AND BASIC WATER SAFETY (1-2-2)(F/S). American Red Cross (ARC) course. Personal and community water safety and how to respond in an aquatic emergency. Students must be able to pass an intermediate skills test consisting of swimming continuously for 5 minutes including the crawl stroke and sidestroke for 50 yards each; jumping into deep water and treading water for one minute; demonstrating the survival float and water safety assistance skills in reaching, throwing and wading.

PE 283 WATER SAFETY INSTRUCTOR'S COURSE (1-2-2)(F/S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to American Red Cross (ARC), WSI certification. PREREQ: Students must be able to pass an American Red Cross intermediate skills test.

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 288 LIFEGUARD TRAINING (1-2-2)(F/S). The essential skills training will be provided for those desiring to certify through the American Red Cross (ARC) as nonsurf lifeguards. PREREQ: Students must be able to pass an American Red Cross intermediate skills test.

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 (2-0-2)(F/S). The planning of school physical education program including the activity selection, sequencing, unit development, program model and evaluation. PREREQ: Admission to upper division standing.

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 (2-3-3)(F/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: Admission to upper division standing.

PE 306-306G HUMAN GROWTH AND MOTOR LEARNING (2-2-3)(F/S). Designed to provide the student with an understanding of human growth, movement development, motor learning and control. Application to skilled behavior is emphasized. PREREQ: Admission to 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:Admission to upper division standing.

PE 310-310G 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: Admission to upper division standing.

PE 311-311G KINESIOLOGY (2-2-3)(F/S). Anatomical and mechanical considerations applied to human motion in sport and exercise. Required of all PE majors. PREREQ: Admission to upper division standing.

PE 313 CONDITIONING PROCEDURES (1-0-2)(F/S). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis and prescription. PREREQ: Admission to upper division standing and PE 310.

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 362 ELEMENTARY SCHOOL HEALTH & PHYSICAL EDUCATION CURRICULUM & INSTRUCTION (4-0-4)(F/S). This course provides planning, organization and management techniques for teaching elementary school health and physical education. The health content focuses upon issues, trends, practices, individual/social health problems and topic sequencing, while the physical education portion emphasizes movement needs, skill analysis/development and activity progressions. PREREQ: Junior standing, Admission to Teacher Education.

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 cultural aspects of sport including educational, religion, political, social and economical values. Psychological factors related to performance include personality, motivation and anxiety. PREREQ: Admission to upper division 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: Admission to upper division standing, PE 236 and 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: Admission to upper division standing, PE 236 and 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, Admission to upper division standing. Offered in Spring of even numbered years.

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: Admission to upper division standing and PE 310.

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. PREREQ: Admission to upper division standing. 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: Admission to upper division 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: Admission to 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: admission to upper division standing, 2.5 GPA and PERM/INST.

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 168 Aerobic Activities and FA 162 Adapted Physical Education may be repeated for credit.**

Fitness activity course numbers provide the following information:

1. The first digit indicates skill level (I, II, III):
   1) LEVEL I courses are designed for the beginner who has had little or no instruction in the activity.
   2) LEVEL II is for the individual who has command of basic skills and is of intermediate performance level.
   3) LEVEL III is for the individual who has command of intermediate skills and is ready for emphasis on advanced game strategies and skills.
2. The second digit indicates the activity classification (1—aquatics, 2—dance, 3—individual sports, 4—martial arts, 5—outdoor pursuits, 6—personal fitness, 7—racquet and court sports, 8—team sports, 9—participation sports).
3. The third digit indicates the specific activity (example: 1—kayaking, 2—skin and scuba diving, etc.)

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 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, repelling, 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 coordinating 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 FLY CASTING AND STREAM STRATEGY I (0-2-1)(F/S). Techniques of fly casting, 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).

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 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 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 168 AEROBIC ACTIVITIES (0-2-1)(F/S). Instruction and participation in various aerobic activities for the development of cardiovascular and neuromuscular fitness. Will include activities such as aerobic dance, jogging and aerobic swimming (refer to class schedule for specifies). May be repeated for credit. (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 racquets 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)(F/S). 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 WHITE-WATER CANOEING (0-2-1)(F/S). Students will canoe white-water rivers and have the opportunity to experience surfing, eddy turns and river hydraulics. American Red Cross Certification is available. All equipment is supplied. Participants must be able to swim. PREREQ: FA 116 or PERM/INST. Special fee: Full time students exempt. (Pass/Fail.)

FA 220 INTERMEDIATE ROCK CLIMBING (0-2-1)(F/S). Instruction covers techniques for mid-fifth class climbing, protection and placements, belaying and repelling in a safe manner. Content will help improve skill level and develop leading ability on suitable terrain. Personal climbing equipment required. PREREQ: FA 120 OR PERM/INST. (Pass/Fail).

FA 222 FOLK DANCE II (0-2-1). Instruction and participation in folk dance for development of advanced skills. (Pass/Fail).

FA 223 MODERN DANCE II (0-2-1). Instruction and participation in intermediate modern dance for development of flexibility, balance, coordination and movement, control leading to dance choreography and production work. PREREQ: FA 123 (Pass/Fail).

FA 224 SOCIAL DANCE II (0-2-1). Instruction and participation in social dance for development in the waltz, cha cha, fox trot, rhumba, tango, lindy, western swing, folk, square and various novelty dances. (Pass/Fail).

FA 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 bodybuilding 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 eyewear 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 Health Studies

Health Science Building 217
Telephone (208) 385-1130

Engineering Technology Building, Room 338
Telephone (208) 385-3929

Chair and Assistant Professor: Patt Elison; *Associate Professors:* Long, Seddon, Stokes; *Assistant Professors:* La Riviere, Anderson.

Degrees Offered

- B.S. in Environmental Health
- A.S. in Health Information Technology
- B.S. in Health Information Management
- B.S. in Health Science Studies
- B.S. in Medical Technology
- B.S. in Pre-Dental Studies
- B.S. in Pre-Medical Studies
- B.S. in Pre-Veterinary Studies

Additional Opportunities Include:
- Minor in Alcohol and Drug Studies
- Pre-Professional Studies Programs

Department Statement

Students in this department may choose to study environmental health, health information management, health science studies, a pre-professional area, or alcohol and drug studies. Students are encouraged to work closely with an advisor to ensure that proper beginning courses are taken to meet degree requirements.

Faculty in the department also advise students who are interested in a health care career but have not yet decided which discipline to enter.

Program 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, Andersen, Hill, La Riviere, Stokes.
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, physical therapy, physician assistant). 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.

Health Information Management
Advisors: Elison, Seddon
Health Information Management is concerned with the application of techniques used in the development, implementation and retention of health information. The associate and baccalaureate programs combine clinical practice and study in areas such as classification systems, computerization of data and administration of information. Health Information Management students (B.S.) complete internships in cooperation with public or private sector facilities. (See pages 120 to 121 for more information on admission to the Health Information Management programs.)

Pre-Professional Studies
Advisor: Hill
Pre-Professional Studies is concerned with those students who need to have undergraduate studies prior to applying to a professional school. This includes 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-Dietetics, Pre-Occupational Theory, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, Pre-Veterinary Medicine, Pre-Chiropractic, Pre-Physician Assistant, or Medical Technology. Students should seek regular counsel with the advisor who has been designated for his or her major field of interest. (See pages 121 to 126 for information on Pre-Professional programs.)

Alcohol/Drug Minor
Advisor: La Riviere
Undergraduate students may complete a minor in Alcohol and Drug Studies. At the graduate level, students may complete a Master of Arts or Science in Interdisciplinary Studies (College of Arts and Science) with an emphasis in Alcohol and Drug Studies. (See page 126 for information on the Alcohol/Drug minor.)

Degree Requirements

ENVIRONMENTAL HEALTH
Bachelor of Science Degree

Environmental Health students must earn at least a grade of 'C' in their required professional courses. The professional courses are identified under item three (3) of the Environmental Health degree/major requirements.

1. General Requirements 30
   - English Composition E 101-102 6
   - Electives (Area I Core) 12
   - Psychology P 101 3
   - Sociology SO 101 3
   - Speech CM 111 3
   - Area II Core Elective 3
2. Area III Core & Science/Mathematics Requirements 56
   - College Chemistry C 131-134 9
   - Organic Chemistry C 317,319 5
   - Botany-Zoology BT 130, Z 230 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 32
Intro Environmental Health EH 100 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
Hazardous Waste Management EH 442 2
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 10
Pathogenic Bacteriology B 310 4
Human Physiology Z 401 4
Macroeconomics EC 206 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 Computers in Health Science H 120 3
Seminar H 498-499 1

HEALTH SCIENCE STUDIES
Bachelor of Science Degree

Health Science students must earn at least a grade of 'C' in the following course:

1. All Health (H) courses.
2. All courses in their emphasis. Courses in an emphasis are identified under item seven (7) (A or B) of the Health Science degree requirements.

1. English Composition E 101-102 6
2. Area I Core Requirements 12
3. Area II Core Requirements 12
(*Strongly recommended)
*General Psychology P 101
*Intro Sociology SO 101
*Fund of Speech Comm CM 111
4. Area III Core & Science Requirements 21-23
College Chemistry C 131-134
or 9
Essentials of Chemistry C 107-110
Algebra & Trigonometry M 111
or 4-5
Mathematics For Business Decisions M 106
General Zoology & General Botany Z 230 & BT 130
or 8-9
Human Anatomy & Physiology Z 111-112
5. Health Science Requirements 17
Medical Terminology H 101 3
Intro to Computers in Health Science H 120 3
Health Delivery Systems H 202 3
Nutrition H 207 3
Epidemiology H 480 3
Intro to Health Law and Ethics H 213
or 2
Public Health Law H 435
6. Health Science Electives (3 courses) 9-12
Drugs: Use and Abuse H 109 3
Lifetime Fitness & Wellness H 160 4
Disease Conditions I & II H 211-212 3-6
Assessment of Alcohol & Drug Problems H 214 or 414 3
Cardiopulmonary Renal Physiology H 220 3
Pathophysiology H 300 4
Public Health Administration H 304 3
Applied Pharmacotherapeutics H 306 3
7. Emphasis - Select one: Science or General Health Science
Students should consider completing a formal minor to fulfill part of an emphasis.
A. Science Emphasis (Natural/Physical/and Mathematics) 39-41
Microbiology B 205
or 4-5
General Bacteriology B 303
Cell Biology B 301 3
Pathogenic Bacteriology B 310 4
Genetics B 343-344 3-4
General Parasitology B 412 3
Immunology B 420 3
Quantitative Analysis & Lab C 211-212 5
Organic Chemistry & Lab C 317, 318, 319, 320 5-10
Physical Chemistry C 321-324 4-8
Biochemistry with Laboratory C 431-432 3-4
Calculus & Analytical Geometry M 204 5
Applied Statistics with Computer M 120 4
Intro to Pascal CS 113 OR Intro to C CS 115 2
General Physics PH 101-102 8
Biophysics PH 207 4
Comparative Anatomy Z 301 4
Vertebrate Embryology Z 351 4
Histology Z 400 4
Human Physiology Z 401 4
Gen & Comparative Physiology Z 409 4
Internship H 493 2
Senior Seminar H 498 1
(Or other courses as approved by the advisor and department chair)

B. General Health Emphasis 39-41
Microbiology B 205 4
Organic Chemistry & Lab C 317-319, 318-320 5-10
A First Course in Programming CS 122 2
Technical Writing E 202 3
Calculus & Analytical Geometry M 204 5
Statistics M 120, P 295 or SO 310 3-4
General Physics PH 101-102 4-8
Prin of Microeconomics EC 205 3
Prin of Macroeconomics EC 206 3
Intro Financial Accounting AC 205 3
Intro Managerial Accounting AC 206 3
Communication in the Small Group CM 251 3
Intro Public Administration PO 303 3
Public Finance PO 310 or EC 310 3
Principles of Marketing MK 301 3
Management & Organization Theory MG 301 3
Human Resource Management I MG 305 3
Applied Anatomy PE 230 3
Exercise Physiology PE 310 3
Kinesiology PE 311 3
Consumer Health PE 405 3
Sociology of Aging SO 325 3
Sociology of the Family SO 340 3
Conflict Management SO 390 or CM 390 3

Physiological Psychology P 225 3
Abnormal Psychology P 301 3
Peer Counseling P 357 3
Psychology of Aging P 313 3
The Psychology of Health P 331 3
Biology of Aging B 300 3
Soc Utilities & Personal Serv for Elderly SW 433 3
Health & Aging H 410 3
Senior Seminar H 498 1
Internship H 493 2
(Or other courses as approved by the advisor and department chair.)

8. Electives 5-12

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

FRESHMAN YEAR	1st SEM	2nd SEM
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	-
Intro Environmental Health EH 100	1	-
Electives (Area I)	-	3
	16	15
SOPHOMORE YEAR		
Math (Statistics) M 120	-	4
Intro Sociology SO 101	3	-
Fund of Speech Communication CM 111	-	3
General Zoology Z 230	5	-
Electives (Area I)	3	3
Elective (Area II)	-	3
Physics PH 101-102	4	4
	15	17
JUNIOR YEAR		
Organic Chemistry C 317-319	5	-
Cell Biology B 301	-	3
CM 251 or CM 390/SO 390	3	-
Technical Writing E 202	-	3
Electives (Area I)	3	-
Elective	3	3
*Professional Requirements (EH & H courses)	9 or 10	
	32 or 33	
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	1
*Professional Requirements (EH & H courses)	11 or 12	
	32 or 33	

*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	-
Medical Terminology H 101	-	3
Area I Core Electives	3	3
Area II Core Elective	-	3
	15	17
SOPHOMORE YEAR		
General Botany & General Zoology BT 130-Z 230	4	5
or		
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	-	3
Health Delivery Systems H 202	-	3
Nutrition H 207	3	-
Health Science Elective	3	-
	16	16
JUNIOR YEAR		
Introduction to Health Law and Ethics H 213		
or	2	-
Public Health Law H 435		
Health Science Elective	-	3
Courses in Emphasis	12	9-10
Electives	3	3
	17	15-16
SENIOR YEAR		
Epidemiology H 480	-	3
Area II Core Elective	-	3
Health Science Elective	3-4	-
Courses in Emphasis	9-10	8
Electives	3	3
	16-18	17

Course Offerings

See page 4 for definition of course numbering system.

EH ENVIRONMENTAL HEALTH

Lower Division

EH 100 INTRODUCTION TO ENVIRONMENTAL HEALTH (1-0-1)(F). Various program areas within the field of environmental health, such as water quality, air quality and hazardous waste management, are discussed. Lectures are presented by environmental health faculty and guest speakers from the regulatory agencies and industry. Environmental Health majors only.

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. (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 (3-0-3) (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.

H 138 WEIGHT MANAGEMENT (1-0-1)(F/S). A healthy approach to weight loss is presented. Students will learn to self-monitor their progress towards attainment of ideal weight using a simple 100-point scoring system. Behavioral changes in the areas of nutrition and exercise are facilitated by an optional support group composed of class members. Pass/Fail. May be taken for Physical Education credit or Health Science credit (PE 138), but not both.

H 139 STRESS MANAGEMENT (1-0-1)(F/S). A series of exercises are presented to help students identify the various sources of stress in their lives, expand their repertoire of appropriate stress management techniques and develop an action plan for the effective management of stress. Behavioral changes which facilitate stress management are reinforced by an optional support group composed of class members. Pass/Fail. May be taken for Physical Education credit or Health Science credit (PE 139), but not both.

H 140 PREPARING FOR DRUG FREE YEARS (1-0-1)(F/S). An alcohol/drug education program that empowers parents of children age 9-12 to reduce the risk that their children will develop alcohol/drug problems. Program is based on contemporary research which shows parents can make a difference. Pass/Fail. May be taken for Physical Education credit or Health Science credit (PE 140), but not both.

H 160 LIFETIME FITNESS AND WELLNESS (3-2-4)(F/S). A survey of contemporary fitness and wellness related issues. Emphasis is on providing an understanding of basic concepts that are essential for knowledgeable decision making. Topics include: mental health, stress, fitness, nutrition, drug use/abuse, disease and aging. Laboratory experiences stress lifestyle changes and an opportunity to set and achieve personal goals. May be taken for Health Science credit or Physical Education credit (PE 160), but not for both.

H 202 HEALTH DELIVERY SYSTEMS (3-0-3)(F,S). Consideration of processes, professionals, politics, programs, laws and institutions which are involved in the maintenance of health and treatment of disease.

H 206 NURSING SKILLS FOR 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: Admission to Radiological Sciences or Respiratory Therapy program.

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 (2-3-3)(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 or PERM/INST.

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. PREREQ: Upper division standing and health science major or PERM/INST. Even-numbered years.

H 306 APPLIED PHARMACOTHERAPEUTICS (3-0-3)(F/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 inter-system relationships. Fall offering, by computer assisted program, is for Rns only. PREREQ: H 300 or PERM/INST.

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 health care providers. The course will include some discussion of non-traditional health centers for the older person, e.g., work site, community, social organizations and senior centers. PREREQ: Upper division standing 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.

H 445-445G ALCOHOL/DRUG ABUSE AND THE FAMILY (3-0-3)(F,S). An examination of the effects of chemical abuse on the family system. Included are the roles family members assume to accommodate the chemically dependent person and the financial and emotional costs to the entire family. Special attention is given to intervention and other treatment approaches.

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.

H 493 PRE-PROFESSIONAL INTERNSHIP (Variable credit). Internship opportunities in health sciences are available through the department. PREREQ: Upper division standing, cumulative GPA above 3.25, recommendation of faculty advisor and PERM/INST. (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.

Graduate Courses

See the *Graduate College Catalog* for course descriptions.

Health Information Management

Program Statement

Health Information Management is concerned with the application of techniques used in the development, implementation and retention of health information. The associate degree 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 health information technology will enable the student to be eligible for the national certification examination.

The associate degree 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 Health Information Management Association.

The Health Information Management (B.S.) curriculum provides a broad background in theory and administration of information. Students are trained to administer health information and solve problems in information technology. Students complete internships in health information in cooperation with facilities in the public or private sector.

Admission Requirements for A.S. Degree

1. First Year
   A. See University Admission Policy.
   B. Student must see a Health Information Technology Advisor.
   C. Complete first year 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. Submit a negative tuberculoses report (PPD test) and documentation of Rubella immunity by September 1 of the Sophomore year.
3. Advising information: Pre-health Information students should contact Pat Elison in the Health Science Building, room 210, or the office secretary in room 217, (208) 385-1130 for advising information or to make an appointment.

Application Process for A.S. degree

1. Complete and return to the Health Information Management Program a "Special Programs Application" on or before March 1.
2. Complete the interview process.
3. Submit $15.00 for name pin and lab fee, per academic year, payable with academic lab fees.

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

HEALTH INFORMATION 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	-	3
	15	16
SOPHOMORE YEAR		
Medical Records I MR 201-202	5	-
Diagnostic and Operative Coding MR 207	3	-
Disease Conditions I H 211	3	-
Health Delivery Systems H 202	3	-
Introduction to Health Law & Ethics H 213	2	-
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

After the successful completion of the professional year at BSU, students will have a period of directed practice in an affiliated health facility.

Clinical Practice MR 215 2

Admission Requirements for B.S. degree

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in medical record technology at BSU, or have an associate degree in medical record technology or must have permission from the program director.

Required Program

HEALTH INFORMATION MANAGEMENT
Bachelor of Science Degree

Sixty four of the credits listed below will have been completed in conjunction with the associate degree in medical record technology.

1. English Composition E 101-102 6
2. Area I Core 12
3. Area II Core 12
4. Area III Core 12
   Human Anatomy & Physiology Z 111-112 8
   Area III-Second Field 4
5. Health Science Requirements 24
   Intro Allied Health H 100 1
   or
   Lab Values H 216 1
   Medical Terminology H 101 3
   Intro Computers Health Science H 120 3
   Health Delivery Systems H 202 3
   Disease Conditions I & II H 211-212 6
   Intro Health Law & Ethics H 213 2
   Public Health Law H 435 2
   Epidemiology H 480 3
   Seminar H 498 1
6. Medical Record Course Requirements 32
   Intro Medical Records MR 115 3
   Medical Records I & Lab MR 201-202 5
   Medical Records II & Lab MR 203-304 5
   Health Data MR 205 3
   Diagnostic & Operative Coding MR 207 3
   Medical Records Transcription MR 209 2
   Medical Records Clinical MR 215 2
   Health Data Management MR 309 3
   Health Data Research MR 409 3
   Medical Records Internship MR 493 3

7. General Data Electives (Select 30 credits from below) 30
   - Psychology of Health P 331 3
   - Intro Public Administration PO 303 3
   - Interviewing CM 307 3
   - Intercultural Communication CM 351 3
   - Organizational Communication CM 361 3
   - or
   - Studies in Organizational Communication CM 483 3
   - Conflict Management CM/SO 390 3
   - Social Statistics SO 310 4
   - Biology of Aging B 300 3
   - Mgmt & Organ Theory MG 301 3
   - Human Resource Management MG 305 3
   - Organizational Behavior MG 401 3
   - Management of Technology MG 405 3
   - Intro Mgmt Inform Systems IS 310 3
   - Fund of Statistics M 361 4
   - Business Communication A.S. 328 3

Total 128

Course Offerings

See page 4 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.)

Upper Division

MR 309 INTRODUCTION TO HEALTH DATA MANAGEMENT (3-0-3)(F/S). The course will present issues of health data base management. The course will include medical data systems and software. Area of emphasis include patient information systems, health agency systems, case mix management systems and other specialized health information systems. Special attention will be given to current applications of data base in health care delivery. PREREQ: H 120, PERM/INST.

MR 409 HEALTH DATA RESEARCH (3-0-3)(F/S). Research process as applied in health care research. The course will present issued in health data base management to include: study design, validity and reliability, data set design, data set manipulation, data base security, file protection and retention, retrieval programming to include statistical output. Emphasis on research concepts, related to health data management will be presented and applied in this course. PREREQ: Upper division standing, H 120 or PERM/INST.

MR 493 HEALTH DATA INTERNSHIP (1-4-3)(F/S). An internship in a Health Data Area under the 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: Upper division standing; recommendation of faculty advisor; consent of instructor. (Pass/Fail).

Pre-Professional Studies

Program Statement

The Pre-Professional program 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-Dietetics, Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, Pre-Veterinary Medicine, Pre-Chiropractic, Pre-Physician Assistant, or Medical Technology.

In view of the specialized nature of each program the student should seek regular counsel with the advisor who has been designated for his or her major field of interest.

Students need to be aware of deadlines established by professional schools and testing organizations. Admissions examinations (Medical College Admission Testing, Dental Admission Testing, Dental Hygiene Aptitude Testing, Pharmacy College Admission Testing, the Veterinary Aptitude Test, Allied Health Professions Admission Test, the Graduate Record Exam, etc.) must be taken at specific times. These examinations may or may not be administered on the BSU campus. Deadlines for applying to professional schools vary yearly from school to school. The student is responsible for determining the specific deadlines and fees which pertain to her/his field of interest.

In addition to academic course work the Pre-Professional Studies students have opportunities and are encouraged to work in a clinical environment and observe at first hand the practice and delivery of health care.

Qualified students may register for an internship. These students will work and study in a clinical environment with a practicing physician, dentist, or veterinarian, etc. PREREQ: Upper division standing; cumulative GPA above 3.25; recommendation of faculty advisor; consent of the instructor. See course H 493 described in the Community and Environmental Health Section.

Information is available from advisors concerning state-supported tuition programs for qualified Idaho residents to professional schools outside the state of Idaho. These programs are:
1.WAMI (Washington-Alaska-Montana-Idaho) for medical school;
2.IDEP(Idaho Dental Education Program) for dental school;
3.WOI (Washington-Oregon-Idaho) for veterinary medicine school;
4.WICHE (Western Interstate Consortium of Higher Education) for schools of optometry, occupational therapy and medicine (University of Utah).

Pre-Medicine and Pre-Dentistry Information

Students planning on gaining admission to medical or dental school must successfully combine an academic major with the specific prerequisite requirements of the professional school they wish to attend. Most medical and dental schools provide substantial latitude in the academic majors that students pursue at the bachelor's degree level. Students are encouraged to select degrees **other** than the pre-medical or pre-dentistry degrees listed below. Students must work closely with their pre-medicine or pre-dental advisor to successfully and efficiently meet both the academic requirements of the major they select as well as fulfilling professional school requirements. Most medical/dental school applicants have earned a bachelor's degree prior to acceptance into professional school. The prerequisite courses required by most medical/dental schools include, but are not limited to the following: English Composition E 101-102, College Chemistry & Labs C 131-134, General Zoology Z 230, General Botany BT 130, General Physics PH 101-102, Organic Chemistry & Labs C 317-320.

Students should consult either the *Medical School Admission Requirements* handbook or the *Admission Requirements of U.S. and Canadian*

Dental Schools handbook for requirements specific to their professional school(s) of interest.

Pre-Medical and Pre-Dental Advisor Information: General inquires and Pre-Medical and Pre-Dental students who have not completed the C 131-134 College Chemistry series should contact Glenda Hill, (208) 285-3929, Technology Building, Room 333.

Pre-Medical students who have completed the C 131-134 College Chemistry series and who are pursuing a Biology related degree track should contact Dr. Eugene Fuller, (208) 385-1321, Science-Nursing Building, Room 211.

Pre-Medical students who have completed the C 131-134 College Chemistry series and who are pursuing a degree track other than Biology or have completed a bachelor's degree should contact Richard Banks, (208) 385-3963, Science-Nursing Building, Room 316.

Pre-Dental students who have completed the C 131-134 College Chemistry series should contact Dr. Charles Baker, (208) 385-3499, Science-Nursing Building, Room 226.

Degree Requirements and Recommended Programs

PRE-DENTISTRY, BIOLOGY OPTION
PRE-MEDICINE, BIOLOGY OPTION
Bachelor of Science

Requirements

General University and Basic Core	21
English Composition E 101-102	6
General Psychology P 101	3
General Botany BT 130	4
General Zoology Z 230	5
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 & Labs C 131-134	9
*Organic Chemistry & Labs C 317-320	8-10
Biochemistry with or without LAB C 431, 432	3-4
General Physics PH 101-102	8
Mathematics M 111-204	10
**Electives	21-25
Total must be at least	128

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
*College Chemistry & Labs C 131-134	4	5
Mathematics M 111-204	5	5
Area II Core Courses	3	3
	15	16
SOPHOMORE YEAR		
*General Botany BT 130	4	-
*General Zoology Z 230	-	5
*Organic Chemistry & Labs 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 351	-	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 8; Pre-Medical 10
** Additional upper division credits so that upper division credits will total at least 40.

PRE-DENTISTRY, CHEMISTRY OPTION
PRE-MEDICINE, CHEMISTRY OPTION
Bachelor of Science

Requirements

General University and Basic Core	21
English Composition E 101-102	6
General Psychology P 101	3
General Botany BT 130	4
General Zoology Z 230	5
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 & Labs C 131-134	9
Organic Chemistry & Labs C 317-320	10
Intro Biochem or Quan Anal with labs C 431,432 or C 211,212	4-5
Physical Chemistry C 321-324	8
Instrumental Analysis C 411	4
Chemistry Independent Studies C 496	2
Chemistry Seminar C 498, 499	2
General Physics PH 101-102	8
Mathematics M 111-204	10
Mathematics M 205-206	8
*Electives	9-11

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
College Chemistry & Labs C 131-134	4	5
Mathematics M 111-204	5	5
Area II Core Courses	3	3
	15	16
SOPHOMORE YEAR		
General Botany BT 130	4	-
General Zoology Z 230	-	5
Organic Chemistry & Labs 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 Analy Chemistry with Lab C 431,432 or 211,212	5	4

Area I Core Courses	-	9
General Physics PH 101-102	4	4
	16-17	17
SENIOR YEAR		
Physical Chemistry C 321-324	4	4
Vertebrate Embryology Z 351	-	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	1-2
	16	17-18

* Additional upper division credits so that upper division credits will total at least 40.

PRE-VETERINARY MEDICINE

Bachelor of Science

Advisor: Dr. Russell J. Centanni
Science-Nursing Bldg, Room 212
Telephone (208) 385-3504

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
General Botany BT 130	4
General Zoology Z 230	5
Cell Biology B 301	3
General Bacteriology B 303	5
Genetics B 343	3
College Chemistry & Labs C 131-134	9
Organic Chemistry & Labs 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 & Labs C 131-134	4	5
Mathematics M 111-204	5	5
Area I Core Courses	3	-
General Botany BT 130	-	4
	15	17
SOPHOMORE YEAR		
General Zoology Z 230	5	-
*Organic Chemistry & Labs C 317-320	5	5
Cell Biology B 301	-	3
Biochemistry C 431, 432	-	4
Electives (H 202 recommended)	3	-
Area II Core Courses	3	3
	16	15
JUNIOR YEAR		
Genetics B 343	3	-
*General Physics PH 101-102	4	4
Electives	4	4
Area I, II Core Courses	6	6
	17	14
SENIOR YEAR		
General Bacteriology B 303	5	-
Electives	6	16-17
Area II Core Course	3	-
	14	16-17

*WSU now requires one semester of organic chemistry and one semester of general physics. Two semesters are still needed to satisfy the degree requirements.

MEDICAL TECHNOLOGY

Bachelor of Science

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 & Labs C 131-134	9
Organic Chemistry & Labs C 317-319	5
*Biochemistry & Laboratory C 431-432	4
General Zoology Z 230	5
Cell Biology B 301	3
General 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
Immunohematology	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 & Labs C 131-134	4	5
Mathematics M 111	5	-
Health Sciences Electives	-	3
Area I or II Core Electives	3	6
	15	17
SOPHOMORE YEAR		
Organic Chemistry & Lab C 317-319	5	-
General Botany BT 130	4	-
General Zoology Z 230	-	5
Cell Biology B 301	-	3
Basic Medical Technology MT 201	-	2
Health Sciences Electives	3	-
Electives Area I or II Core	4	6
	16	16
JUNIOR YEAR		
General Bacteriology B 303	5	-
Pathogenic Bacteriology B 310	-	4
Immunology B 420	3	-
Biochemistry C 431	3	-
Biochemistry Laboratory C 432	-	1
Electives Area I or II Core	3	3
Health Delivery Systems H 202	-	3
Human Physiology Z 401	-	4
Free Electives	3	-
	17	15

SENIOR YEAR
Course work to fulfill degree requirements.

Sophomore, Junior and Senior years are individually planned in consultation with advisor.

Course Offerings

See page 4 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 semester324 hours per semester8 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 semester647 hours per semester12 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 semester218 hours per semester12 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

Advisor: Dr. Russell J. Centanni
Telephone (208) 385-3504
Science Nursing Building, Room 212

This two year pre-chiropractic program satisfies the minimum requirements of most chiropractic institutions in the country. Students must maintain a minimum 2.50 GPA for consideration by chiropractic schools. Internships are available with local chiropractors. See course H 493 described in the Community and Environmental Health section.

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Anatomy & Physiology Z 111-112	4	4
College Chemistry & Labs C 131-134	4	5
Algebra & Trig M 111	5	-
General Psychology P 101	-	3
Social Science Elective (Area II Core)	-	3
	16	15
SOPHOMORE YEAR		
Organic Chemistry & Lab C 317-319	5	-
Organic Chemistry & Lab C 318-320	-	5
General Physics PH 101-102	4	4
Humanities or Social Science Electives	6	6
	15	15

Suggested Electives: Health Delivery Systems, Medical Terminology, Pre-professional Internship, Comparative Anatomy, Nutrition, Speech and Communications, Introduction to Business, Microbiology.

PRE-DIETETICS PROGRAM

Advisor: Elaine Long
Telephone (208) 385-3929
Engineering Technology Building, Room 338

	1st SEM	2nd SEM
FRESHMAN YEAR		
Essentials of Chemistry C 107-108-109-110	4	5
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111-112	4	4
General Psychology P 101	3	-
Sociology SO 101	-	3
Area I Elective	3	3
	17	18
SOPHOMORE YEAR		
Nutrition H 207	3	-
Principles of Food Preparation H 209	-	3
Math M 108	4	-
Microbiology B 205	-	4
Technical Writing E 202	-	3
Intro Financial Accounting AC 205	-	3

Intro Computers Health Science H 120	-	3
Economics EC 205 or 206	3	-
Statistics M 120	4	-
Elective (see Advisor)	3	-
	17	16

PRE-DENTAL HYGIENE

Advisor: Glenda C. Hill
Telephone (208) 385-3929
Engineering Technology Building, Room 333

A career in Dental Hygiene requires either an associate or a bachelor of science in dental hygiene. Students may take the first two years of general education courses at BSU and apply for admission to professional school. The program suggested here is based upon the prerequisites at Idaho State University. Students should consult the advisor and pattern their program at BSU on the requirements of the specific professional school to which they expect to apply.

Suggested Program

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Anatomy & Physiology Z 111-112	4	4
Essen of Chemistry & Labs C 107, 109	4	5
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	-
Fund of Speech Communication CM 111	3	-
Intro to Sociology SO 101	3	-
General Psychology P 101	-	3
Microbiology B 205	4	-
Area I Core	-	3
Appl Stat with Computer M 120	-	4
Nonfiction Writing E 201	3	-
Area II Core (History, Economics or Anthropology)	-	3
	16	13

* Students should take Dent 201 Principles of Dental Hygiene, a 2 credit telecourse from ISU in the Fall of their Sophomore year.

PRE-OCCUPATIONAL THERAPY

Advisor: Glenda Hill
Telephone (208) 385-3929
Engineering Technology Building, Room 333

Occupational Therapy schools differ considerably in their pre-professional requirements. A minimum of two pre-professional 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 pre-professional curriculum in line with the requirements of the desired schools.

PRE-OPTOMETRY

Advisor: Dr. Conrad Colby
Telephone (208) 385-3383
Human Performance Center

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's 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 includes:

Suggested Program

English E 101-102	2 semesters
Mathematics M 111-204	2 semesters
College Chemistry & Labs C 131-134	2 semesters
General Zoology/Botany Z 230/BT 130	1 or 2 semesters
Human Anatomy & Physiology Z 111-112	2 semesters
General Physics PH 101-102	2 semesters
Microbiology B 205	1 semester
Organic Chemistry & Lab C 317-319	1 semester

Additional courses that may be needed for the pre-Optometric program are:

Psychology	Social Science
Philosophy	Literature
Organic Chemistry	Microbiology
Bacteriology	Comparative Anatomy
Physiology	Statistics
Algebra and Trigonometry	Analytic Geometry
Differential Calculus	Integral Calculus
Art History	Intro Theatre

PRE-PHARMACY

Advisor: Dr. Robert Ellis
Telephone (208) 385-3478
Science-Nursing Building, Room 314

BSU students who wish to receive a Doctorate of Pharmacy (Pharm D.) usually plan to take their pre-professional 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 four 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
College Chemistry & Labs C 131-134	4	5
Mathematics M 111	5	-
*Mathematics M 204	-	5
Area I Core	3	-
Fundamentals of Speech CM 111	3	-
Area II Core (Summer)	-	3
	16	19
SOPHOMORE YEAR		
General Zoology Z 230	5	-
Nonfiction Writing E 201	-	3
Organic Chemistry & Labs C 317-320	5	5
Microbiology B 205	-	4
General Physics PH 101-102	4	4
Area II Core	3-4	3
Area I Core (Summer)	-	3
	17-18	22

* When possible it is desirable to take M 204 the first semester.

PRE-PHYSICAL THERAPY

Advisor: Glenda Hill
Telephone (208) 385-3929
Engineering Technology Building, Room 333

The curriculum is designed for students interested in a professional career in Physical Therapy. Physical Therapy schools can differ significantly in their pre-professional requirements. Students interested in transferring to a Physical Therapy program should consult the advisor, determine Physical Therapy programs of interest and pattern their specific pre-professional curriculum in line with these schools.

A minimum of two pre-professional years is required for admission to a school of Physical Therapy. The Freshman year suggested is based upon admission requirements of professional schools to which the majority of BSU's pre-Physical Therapy students gain admission.

Suggested Program

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Anatomy and Physiology Z 111-112	4	4
General Psychology P 101	-	3
Mathematics M 111	5	-
College Chemistry & Labs C 131-134	4	5
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 schools to which the student is planning to apply.

Additional courses that may be needed to fulfill Physical Therapy school prerequisites include: General Physics PH 101-102, Intro to Sociology SO 101, Abnormal Psychology P 301, First Aid, Statistics, Microbiology B 205, Organic Chemistry C 317-319, Intro Computers in Health Science H 120, Other Area I and II courses.

PRE-PHYSICIAN ASSISTANT

Advisor: Glenda Hill
Telephone (208) 385-3929
Engineering Technology Building, Room 333

Physician Assistants are taught at educational programs located primarily in university schools of medicine and allied health. Most PA programs require 21-24 months to complete although programs vary in length. Many programs require applicants to have completed two years of college prior to admission and to have had previous health care experience.

Prerequisite course requirements vary from school to school. Students are encouraged to consult with their advisor, determine which PA programs are of interest and pattern their course work to fulfill these specific program requirements.

In order to be licensed in Idaho, PA's must have completed a bachelor's degree. The health science studies degree (see department of community and environmental health) is very compatible with most PA professional school requirements.

ALCOHOL/DRUG STUDIES MINOR

Advisor: Sara La Riviere
Telephone: (208) 385-3929
Engineering Technology Building, Room 338

Use & Abuse of Drugs H 109 3
Assessment of Alcohol/Drug Problems I H 214/414 3
Assessment of Alcohol Drug Problems II H 215/415 4
Alcohol/Drugs & the Family H 445 3
Lifetime Fitness & Wellness H/PE 160 4
One of the following:
- Adolescent Psychology P 212 3
- Abnormal Psychology P 301 3
- Psychology of Aging P 313 3
- Psychology of Health P 331 3

Department of History

Library Building, Room 247
Telephone (208) 385-1255

Chair and Professor: Errol Jones; *Professors:* Buhler, Fletcher, Jones, Odahl, Sims, Vinz, Zirinsky; *Associate Professors:* Lundy, Schackel, Shallat; *Assistant Professors:* Bernstein, Casner, Miller.

Director of Graduate Studies: Michael Zirinsky
Director of Classical Languages: Charles Odahl.

Degrees Offered

- B.A., History
- B.A., History, Secondary Education
- B.A., History, Social Science, Secondary Education
- M.A., History: see Graduate College Catalog for further details.
- Minor in Latin Languages & Literature
- Minor Certification Endorsement in Latin

Department Statement

The Department of History offers three baccalaureate degree programs: History, Liberal Arts (42 hours of History); History, Secondary Education (42 hours of History; 29-35 hours State Teacher Certification requirements); and History-Social Science, Secondary Education (minimum 33 hours History, 15 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 course work in Classical Languages & Literature, with a 29 hour academic Minor in Latin Language & Literature and a 20 hour Minor Certification Endorsement for Teaching Latin in Secondary Schools.

Degree Requirements

HISTORY
Bachelor of Arts

1. General University Requirements to include:
   One year of college level foreign language 6-8
   (Language equivalency required by the History Department will be determined by the Department of Modern Languages or the Classical Language Program Director.)
   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
   Intro to the Study of History HY 210 3
   Total lower division history courses 15
   History Seminar 3
   Seminar or Colloquium 3
   Upper division History (minimum) 12
   Additional History upper division or non-required lower division Electives 9
   Total other History courses 27
   (Majors must have course work distributed between U.S., European and Third World History with at least 12 hours in one area and at least 6 hours in each of the other two.)
3. Other electives 28-36

HISTORY, SECONDARY EDUCATION
Bachelor of Arts

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 History 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
   (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.)
   Total other History courses 27
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 the Teacher Education listing for more information.

HISTORY—SOCIAL SCIENCE
SECONDARY EDUCATION EMPHASIS
Bachelor of Arts

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

1. Must complete a minimum of 33 credits in history.
2. Must complete a minimum of 15 credits in each of two of the above departments (other than history) to satisfy **graduation** requirements. See the department listings for each of these departments for additional information. However, teacher **certification** requires additional course work in these two departments. See "Minor Certification Endorsements" in the Teacher Education section of this catalog.
3. Must complete six credits in U.S. History and three credits of American National Government for certification requirements.
4. TOTAL General University and Major Requirements 128*
5. 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
6. UPPER DIVISION HISTORY COURSES: 15
   Three (3) of those American History. To be chosen by student in consultation with advisor from two out of the three Department's offerings (U.S., European, Third World).
7. ADDITIONAL UPPER OR LOWER DIVISION 3
8. ELECTIVES lower or upper division 30
   First Social Science Field 15
   Second Social Science Field 15
9. Teacher Education Requirements 29-35

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

HISTORY-SOCIAL SCIENCE,
SECONDARY EDUCATION MINOR 15 HOUR OPTION

U.S. History HY 151-152 6
Upper division History 9

HISTORY MINOR

Minor certification endorsements for teaching areas are listed in this Catalog under Teacher Education.

LATIN LANGUAGE & LITERATURE MINOR

Latin Language courses 20
- Elementary Classical Latin Lang & Lit LA 211 4
- Advanced Classical Latin Lang & Lit LA 212 4
- Early Church Latin Literature LA 323 3
- Medieval Latin Literature LA 324 3
- Advanced Latin Tutorial-Augustan Age LA 491 3
- Advanced Latin Tutorial-Constantinian Era LA 492 3

History & Culture Courses 9
- Required (3 credits)
- Ancient Rome HY 320 3
- Electives (chosen from the following list: Survey of Western Art AR 101; Mythology E 217; Early Christianity HY 323; Medieval Europe HY 324; European Seminar on Augustus & the Golden Age of Rome HY 481; European Seminar on Constantine & the Late Roman Empire HY 481; European Colloquium on the Age of the Cathedrals HY 381; Ancient Philosophy PY 305; Medieval Philosophy PY 307)

Total 29

Minor Certification Endorsement for Teaching Latin in Secondary Schools

The State Department of Education requires 20 credit hours in language study for a Minor Certification Endorsement to teach in Idaho secondary schools. The 20 credits in Latin Language courses for the academic Minor in Latin Language & Literature are sufficient for state certification. However, it is strongly recommended that students earn at least 9 additional credits from the history and culture courses listed above to give themselves a firm grounding in the ancient and medieval civilizations using the Latin languages.

Course Offerings

See page 4 for definition of course numbering system.

CLASSICAL LANGUAGES

GR GREEK

Lower Division

GR 211 ELEMENTARY ANCIENT GREEK LANGUAGE & LITERATURE (3-2-4)(F). An intensive introduction to the basic vocabulary, grammar and syntax of ancient Greek with emphasis on comprehension of the nominal declension and verbal conjugation forms of the language; and a survey of classical Greek literature from the eighth to the fourth century B.C., with short reading passages excerpted from the ancient authors. Alternate years.

GR 212 ADVANCED ANCIENT GREEK LANGUAGE & LITERATURE (3-2-4)(S). An intensive completion to the study of ancient Greek with emphasis on comprehension of the advanced grammatical forms and syntactical patterns of the language; and a survey of late classical and early Christian Greek literature to the fourth century A.D., with translations and analyses of extended passages from the ancient authors. PREREQ: GR 211. Alternate years.

LA LATIN

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 Jacque De Vitry. Recommended: A year of college Latin and HY 324 Medieval Europe. Alternate years.

LA 491 ADVANCED LATIN TUTORIAL - AUGUSTAN AGE (0-6-3). Translation and analysis of classical texts from authors of the Augustan Age, such as Livy and Vergil, in an individual or small group setting with professional supervision. Discussion of materials and methods for teaching Latin in secondary schools. Recommended: HY 481 European Seminar on Augustus and the Golden Age of Rome. PREREQ: PERM/INST. Offered as needed.

LA 492 ADVANCED LATIN TUTORIAL - CONSTANTINIAN ERA (0-6-3). Translation and analysis of early Christian texts from the Constantinian Period, such as imperial biographies, histories, laws and letters, in an individual or small group setting with professorial supervision. Discussion of materials and methods for teaching Latin in secondary schools. Recommended: HY 481 European Seminar on Constantine and the Late Roman Empire. PREREQ: PERM/INST. Offered as needed.

HY HISTORY

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.

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 worldwide expansion of western culture in the twentieth century of the modern era.

HY 104 HISTORY OF SCIENCE (3-0-3)(F/S). Alternate years. A survey on the development of the western concept of science and cultural and scientific interaction at selected critical points of change in western history; the origins of science under the Greeks; medieval assumptions about the physical world; the scientific revolution of the seventeenth and eighteenth centuries; biological theories; and science in the modern world.

HY 105 EASTERN CIVILIZATIONS (3-0-3)(Area II)(F/S). An historical survey of the Islamic civilization and the dominant civilizations of south and east Asia, with an emphasis on cultural and religious development.

HY 151, 152 UNITED STATES HISTORY (3-0-3)(Area II). First semester: the history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the Union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business and the emergence of the nation to a world power.

HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. PREREQ: High school course in world history or related subject matter or PERM/INST.

HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from early modern European times up through the modern twentieth century era. Not open to students with credit in HY 102. PREREQ: High school course in world history or related subject matter or PERM/INST.

HY 205 LEWIS AND CLARK (2-0-2)(S). A survey of the "corps of discovery" from Wood River, Illinois to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years.

HY 210 INTRODUCTION TO THE STUDY OF HISTORY (3-0-3). An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the applications of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses.

HY 251 PROBLEMS IN U.S. HISTORY (3-0-3)(F)(Area II). Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

HY 252 PROBLEMS IN U.S. HISTORY (3-0-3)(S)(Area II). Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. PREREQ: High school history course or PERM/INST.

HY 261 HISTORY OF MINORITIES IN THE UNITED STATES (3-0-3)(F/S). Problems encountered by ethnic minorities in their quest for equal opportunity and equal rights. Alternate years.

Upper Division

HY 303 THE ENLIGHTENMENT AND THE FRENCH REVOLUTION (3-0-3)(F/S). A study of European thought in the seventeenth and eighteenth centuries, with emphasis upon monarchical absolutism, the crisis of the Old Regime and the coming of the French Revolution. Recommended: HY 101. PREREQ: HY 102. Alternate years.

HY 307 MODERN GERMANY (3-0-3)(F/S). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 102 recommended. Alternate years.

HY 308 FRANCE SINCE THE REVOLUTION (3-0-3)(F/S). The failure of the French people 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 101 or PERM/INST. Alternate years.

HY 310 THE REFORMATION (3-0-3)(F). Survey of church-state relationships including the Babylonian "Captivity of the papacy," 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 101 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 Vietnam 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 340 WOMEN IN AMERICA FROM THE COLONIAL ERA TO THE PRESENT (3-0-3)(F). A survey of the changing roles, experiences and contributions of women to American history from the seventeenth century to the present. Emphasis on race, class and ethnicity. Designed to introduce the student to some of the major issues in women's history and to understand how changes in women's lives are related to other changes in American history. 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 on 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 socioeconomic change and the role of the United States in that process. Recommended: HY 152. Alternate years.

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

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

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

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

HY 417 UNITED STATES ECONOMIC HISTORY (3-0-3)(F/S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 205 and EC 206 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 One and Two, cold war and merging of European diplomacy into world diplomacy. Alternate years.

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

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

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

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

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

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

Department of Industrial Technology

Technology Building, Room 301
Telephone (208) 385-4049

Chair: Thomas O. Murray.

Degrees Offered

- B.S. in Manufacturing Engineering Technology

MANUFACTURING ENGINEERING TECHNOLOGY

Bachelor of Science Degree

The B.S. in Manufacturing Engineering Technology utilizes course work from engineering, science, technology and business to prepare students to enter the field of manufacturing. Graduates will be prepared to address the broad issues of efficiency, productivity, automation and integration in all manufacturing areas. Program emphasis will be upon the use and integration of computer systems and programmable automation in the production process, with a focus on integration of all aspects of the enterprise. State-of-the-art Computer Integrated Manufacturing equipment and facilities are utilized to demonstrate world class manufacturing concepts.

	1st SEM	2nd SEM
FRESHMAN		
English Composition E 101-102	3	3
Algebra & Trig/Calculus M 111-204	5	5
Essen of Chemistry C 107-108	-	4
Engineering Fund & Comp Program EN 107	3	-
Engineering Graphics EN 108	-	2
Industrial Organization & CIM MF 102	3	-
Industrial Safety MN 112	-	2
Area I Elective	3	-
	17	16
SOPHOMORE		
General Physics PH 101-102	4	4
Statistical Techniques I PR 207	-	3
Circuit Analysis EN 227	4	-
Fund of Speech Communication CM 111	3	-
Manufact Materials & Process I MF 202	3	-
Manufact Materials & Process II MF 204	-	3
Computer Aided Design MF 210	3	-
Computer Aided Manufacturing MF 220	-	3
Mechanics/Statics EN 205	-	3
Area I Elective	-	3
	17	19
JUNIOR		
Digital Circuits EN 230	4	-
Principles of Microeconomics EC 205	3	-
Principles of Macroeconomics EC 206	-	3
Mechanics/Dynamics EN 206	3	-
Principles of Production Mangement PR 345	-	3
Production Process MF 310	3	-
Microprocessor Applications MF 320	-	3
Instrumentation & Control MF 324	-	3
Area I Elective	-	3
*Major Core Electives	3	3
	16	18
SENIOR		
Engineer Economy EN 382	3	-
Robotics MF 410	3	-
Quality Control Techniques PR 380	3	-
Quality Systems Lab MF 380	1	-
Manufacturing Cost Reduction Control MF 430	3	-
Material Handling & Plant Layout MF 440	-	3
Manufacturing Simulation MF 480	-	4
Area I Elective	3	-
Area II Elective	-	3
*Major Core Electives	-	6
	16	16

*Chosen from: E 202, EN 301, 320, MF 308, 312, 346, 350, 406, 450, 470 or UoI ME 409.

Course Offerings

See page 4 for definition of course numbering system.

MF MANUFACTURING ENGINEERING TECHNOLOGY

Lower Division

MF 102 INDUSTRIAL ORGANIZATION & CIM (3-0-3)(F). The exploration of dynamic industrial relationships and organizational theories. An overview of both internal and external factors that impact industry. An in-depth introduction to CIMComputer Integrated Manufacturing.

MF 202 MANUFACTURING MATERIALS & PROCESSES I (2-4-3)(F). A study of the properties of materials used in the manufacturing process including ferrous and non-ferrous metals and the equipment and processes used in the product manufacturing cycle.

MF 204 MANUFACTURING MATERIALS & PROCESSES II (2-4-3)(S). A continuation of Manufacturing Materials & Processes I. The study of the properties of wood, organics, plastics and composites and the equipment and processes used in the manufacturing cycle. PREREQ: MF 202.

MF 210 COMPUTER AIDED DESIGN (CAD) (2-4-3)(F). CAD techniques applied to the mechanical system designs with an emphasis on the manufacturability of the end product. PREREQ: EN 108.

MF 220 COMPUTER AIDED MANUFACTURING (CAM)(2-4-3)(S). A lecture/laboratory course designed to introduce the student to the concept of group technology, computer scheduling, process control, coding and classification systems and the relationship between part grouping and part costing. It includes justification for and application of computer assistance in the manufacturing process, machine process control and an introduction to programming of computer controlled machines. PREREQ: MF 204, 210.

Upper Division

MF 308 ASSEMBLY TECHNIQUES (2-4-3)(F). A study of the techniques of assembly both manual and automated. The design of assembly unique documentation. Offered on demand.

MF 310 PRODUCTION PROCESS (2-4-3)(F). The design and application of production processing with consideration to the end product. Emphasis on the choice and sequence of processing to assure productivity and to efficiently obtain an end product at the least cost. PREREQ: MF 220.

MF 312 JIGS & FIXTURES (2-4-3)(S). The design and application of jigs and fixtures for machine tools. PREREQ: MF 204. Offered on demand.

MF 320 MICROPROCESSOR APPLICATIONS (3-0-3)(S). A study of the application of microprocessors in controlling the manufacturing process. An introduction to transducers, amplifiers, interfacing, data acquisition, A/D and D/A converters and the problems of noise and process safety. PREREQ: EN 230.

MF 324 INSTRUMENTATION & CONTROL (2-4-3)(S). The application of electronic, mechanical, fluidal and thermal instrumentation and control mechanisms to monitor and control the manufacturing process. COREQ: MF 320.

MF 346 SHOP FLOOR CONTROL (3-0-3)(S). This course expands on the topics of production control in PR 345 Principles of Production Management, as they apply to the manufacturing technologist. Topics covered will include production systems analysis, routing, dispatching, line balancing, flexible manufacturing systems, Just-in-Time manufacturing and machine utilization and maintenance. PREREQ: PR 345. Offered on demand.

MF 350 FOOD PROCESSING AND ENVIRONMENT (3-0-3)(F). Materials handling and processing, psychrometrics, heat and mass transfer, pumps and fans,

refrigeration, agricultural environments and waste management. PREREQ: PH 102, C 107. Offered on demand.

MF 380 QUALITY SYSTEMS LABORATORY (0-2-1)(S). An investigation of the capability and economic limitations of various methods of measuring quality in manufacturing systems. Students will design and construct quality measuring stations to gather and interpret quality data. COREQ: PR 380.

MF 406 COMPUTER SYSTEMS INTEGRATION (3-0-3)(F). The integration of the various elements in the computer systems required for a CIM factory. A study of the interfacing problems associated with several system vendors. LAN's, machine controllers and bridging systems. PREREQ: MF 220 or PERM/INST. Offered on demand.

MF 410 ROBOTICS (2-4-3)(F). A lecture/laboratory course concerned with the capabilities of and the justification for industrial robots. Students will develop several robot programs which simulate realistic situations involving processing, assembly and materials handling functions. PREREQ: MF 324.

MF 430 MANUFACTURING COST REDUCTION & CONTROL (3-0-3)(F). An in-depth study of the methodologies used in recording and reporting product cost. The application of manufacturing engineering and production management skills to lower and/or maintain product cost. A study of the interrelationships and product cost impact of JIT, TQC, CAD/CAM and CIM. PREREQ: PR 345, MF 310.

MF 440 MATERIAL HANDLING AND PLANT LAYOUT (3-0-3)(S). The integrated design of typical manufacturing plants and material handling schemes using the principles of CIM to achieve an effective and efficient flow appropriate for both present and future needs. PREREQ: MF 310.

MF 450 FOOD PROCESS TECHNOLOGIES (3-2-3)(F). The design of food processing systems. A study of food properties and thermal and physical processes. PREREQ: MF 350. Offered on demand.

MF 470 PROCESS ENVIRONMENT DESIGN (3-2-3)(S). The design of process environments such as clean rooms, food processing areas, shielded areas and other process/product unique environments. A study of governmental standardsFDA, NASA, MIL STD, etc. COREQ: MF 440. Offered on demand.

MF 480 MANUFACTURING SIMULATION (2-6-4)(S). A capstone course utilizing all the skills attained to design and simulate a manufacturing operation for an assigned new product. Students will work individually and in small teams to complete this senior project. PREREQ: MF 410.

Department of Management

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

Chair and Professor: William Wines; *Professors:* Bigelow, Bixby, Napier, Wilterding; *Associate Professors:* Glen, Kaupins, Waldorf; *Assistant Professors:* Fronmueller, Furrh, Gough, Shim.

Degrees Offered

- B.B.A., B.A. and B.S. in General Business Management
- B.B.A., B.A. and B.S. in International Business
- B.B.A., B.A. and B.S. in Management, Entrepreneurial Option
- B.B.A., B.A. and B.S. in Management, Human Resource Management Option

Department Statement

The goal of the Management department is to graduate individuals who have acquired competency in management skills and the qualities of an educated person.

The department of management offers two majors (General Business Management and Management) and one minor (International Business).

The **General Business Management** major provides a broad-based curriculum, offering 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 appropriate for those who desire to enter management trainee programs offered by business corporations, ranging from the fast food industry to public utilities and financial institutions.

The **Management major** emphasizes two important management areas.

Entrepreneurial Management option prepares students who wish to start their own business or work in a family-owned business. An entrepreneur organizes and directs a business and assumes risks for the sake of the profits. This option is 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 curriculum provides a solid foundation for those interested in the human resource management process of a business and the administration and operation of a company's programs as they apply to employees.

The department also offers a minor in **International Business** for students who will work in companies doing business overseas, as well as those who may manage a multicultural work force. The minor blends courses from three disciplinesbusiness, political science and historyto provide a broad 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

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105-106 or M 111-204	4	4
Electives (Area I)	3	3
Electives (Area III)	-	4
Non-Business Electives	3	-
Totals	16	17
SOPHOMORE YEAR		
Principles Microeconomics (Area II) EC 205	3	-
Principles Macroeconomics (Area II) EC 206	-	3
Intro Financial & Managerial Accounting AC 205-206	3	3
Statistical Techniques I, II PR 207-208	3	3
Legal Environment of Business GB 202	-	3
Non-Business Electives	7	-
Free Electives	-	3
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	-
Intro Management Information Systems IS 310	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
Free Electives	-	4
Totals	18	16
SENIOR YEAR		
Human Resource Management I MG 305	3	-
Government and Business GB 441	-	3
Organizational Behavior MG 401	3	-
Management of Continuous Learning MG 405	-	3
Employee and Labor Relations MG 340	-	3
Marketing Management MK 320	3	-
Business Policies GB 450	-	3
Non-Business Electives	6	-
Free Electives	-	3
Totals	15	15

INTERNATIONAL BUSINESS MAJOR
Bachelor of Business Administration

The International Business Major will be implemented over several years. Thus, if students find some of the upper division elective courses unavailable during 1994-1995, they may work with their advisors to find appropriate substitute courses.

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Mathematics M-105-106 or M 111-204 (Area III)	4	4
History of Western Civ HY 102 or Eastern Civilization HY 105 (Area II)	3	-
Area III Elective	-	4
International Relations PO 231 (Area II)	-	3
*Language 101-102	4	4
General Elective	3	-
Totals	17	18
SOPHOMORE YEAR		
Principles Microeconomics EC 205 (Area II)	3	-
Principles Macroeconomics EC 206 (Area II)	-	3
Intro to Financial Accounting AC 205	3	-
Intro to Managerial Accounting AC 206	-	3
Statistical Techniques I & II PR 207-208	3	3
Legal Environment of Business GB 202	3	-
*Language 201-202 (Area I)	4	4
Elective	-	3
Totals	16	16
JUNIOR YEAR		
Principles of Marketing MK 301	3	-
Management & Organization Theory MG 301	3	-
Business Communications AS 328	3	-
Managing a Global Economy IB 320	3	-
Principles of Finance FI 303	3	-
International Economics IB 333/EC 317	-	3
Prin of Production Management PR 345	-	3
Intro to Mgmt Information Systems IS 310	-	3
International Marketing MG 430	3	-
International Finance FI 430	-	3
International Management MG 334	-	3
Totals	18	15
SENIOR YEAR		
*History elective 300 or 400 level	-	3
Business Policy GB 450	3	-
**Political Science elective 300 or 400 level	3	-
***International Business elective 300 or 400 level	6	3
Free non-business electives	-	3
Free business electives	3	3
Senior Seminar in Global Strategy IB 455	-	3
Totals	15	15
Total Credits		130

NOTE: If a student demonstrates language competency or is able to move directly into the 201, 202 language series, two additional courses are recommended to be chosen from the following courses or from courses approved by International Business advisor: LI 305 Introduction to Language Studies; F/G/S Language 377 Introduction to German/French or Spanish Culture and Civilization; F/G/S Language 303 Advanced Conversation and Composition Courses.

*The electives should relate to the language of interest. Choose from: HY 307 Modern Germany; HY 309 France Since the Revolution; HY 312 History of England; HY 316 History of East Asia; HY 317 History of Soviet Russia; HY 329 History of Modern South Asia; HY 330 History of Modern Africa; HY 331 The Islamic Middle East; HY 332 The Modern Middle East; HY 368 Modern Latin America; HY 468 History of Mexico; HY 481 Seminar in European History; HY 482 Seminar in Third World History.

**The electives should relate to the language of interest. Choose from: PO 311 Comparative Foreign Policy; PO 321 Introduction to Comparative Politics; PO 324 Comparative Communist Party-State Systems; PO 329 Politics of Industrialized Nations; PO 333 Comparative Governments and Politics of Developing Nations; PO 335 United States Foreign Policy; PO 421 International Law and Organization; PO 429 International Political Economy; PO 451 Comparative Legal Systems.

***Choose three from this list or other internationally related courses approved by the International Business advisor: AC 430 International Accounting, EC 315 Comparative Economic Systems, EC 317 International Economics, EC 319 Development Economics, FI 430 International Finance, MG 334 International Management, MG 442 Comparative Management, MK 430 International Marketing, MK 435 International Market Research, MK 436 International Promotion, MK 437 International Channels of Distribution (see respective department for course description) or Overseas Experience (e.g., Studies Abroad).

MANAGEMENT MAJOR
ENTREPRENEURIAL OPTION
Bachelor of Business Administration Degree

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Fundamentals of Speech Comm (Area II) CM 111	3	-
General Psychology (Area II) P 101	-	3
Mathematics (Area III) M 105-106 or M 111-204	4	4
Electives (Area I)	3	3
Lab Science Elective (Area III)	-	4
Electives	3	-
Totals	16	17

SOPHOMORE YEAR

Principles Microeconomics (Area II) EC 205	3	-
Principles Macroeconomics (Area II) EC 206	-	3
Intro Financial Accounting AC 205	3	-
Intro Managerial Accounting AC 206	-	3
Statistical Techniques I, II PR 207-208	3	3
Legal Environment of Business GB 202	-	3
Non-Business Electives	4	-
Free Electives	-	3
Technical Writing E 202	3	-
Totals	16	15

JUNIOR YEAR

Principles of Marketing MK 301	3	-
Management & Organizational Theory MG 301	3	-
Principles of Finance FI 303	3	-
Economics Elective EC 303,305,321,322, or 327	-	3
Intro Mgmt Information Systems IS 310	-	3
Human Resource Management I MG 305	-	3
Principles of Production Management PR 345	-	3
Business Ethics & Social Responsibility GB 360	3	-
Business Communications AS 328	3	-
Free Electives	-	4
Totals	15	16

SENIOR YEAR

New Venture Creation MG 318	3	-
Working Capital Management I FI 410	3	-
Government and Business GB 441	-	3
Marketing Management MK 320	3	-
Small Business & Entrepreneurial Mgmt MG 319	-	3
Organizational Behavior MG 401	-	3
Management of Continuous Learning MG 405	-	3
Business Policies GB 450	-	3
Free Electives	6	3
Totals	15	18

MANAGEMENT MAJOR
HUMAN RESOURCE MANAGEMENT OPTION
Bachelor of Business Administration Degree

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Fundamentals Speech Comm CM 111 (Area II)	3	-
General Psychology P 101 (Area II)	-	3
Mathematics M 105-106 or M 111-204 (Area III)	4	4
Electives (Area I)	3	3
Lab Science Elective (Area III)	-	4
Non-Business Electives	3	-
Totals	16	17

SOPHOMORE YEAR

Principles Microeconomics EC 205 (Area II)	3	-
Principles Macroeconomics EC 206 (Area II)	-	3
Intro Financial Accounting AC 205	3	-
Intro Managerial Accounting AC 206	-	3
Statistical Techniques I PR 207	3	-
Legal Environment of Business GB 202	-	3
Non-Business Electives	3	6
Free Electives	4	-
Totals	16	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, Interm Micro EC 303 or Interm Macro EC 305	3	-
Intro Mgmt Information Systems IS 310	-	3
Business Ethics & Social Responsibility GB 360	-	3
Human Resource Management I MG 305	-	3
Employee & Labor Relations MG 340	3	-
Business Communications AS 328	3	-
Free Electives	-	6
Totals	18	15

SENIOR YEAR

Human Resource Management II 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 Continuous Learning MG 405	3	-
Business Policies GB 450	-	3
Non-Business Electives	4	-
Free Electives	-	3
Totals	16	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 4 for definition of course numbering system

GB GENERAL BUSINESS

Lower Division

GB 101 INTRODUCTION TO BUSINESS (3-0-3). Designed to acquaint the student with the many phases of business. An introduction to the business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Not recommended for four year business majors. Juniors and Seniors with declared business majors excluded.

GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3). Emphasis will be on both the external and internal legal environment of a business organization. Topics will include the nature and function of the legal process, administrative regulations, the interaction of business with the judicial, legislative, and executive branches of government, and the legal responsibilities of business. Freshmen excluded.

Upper Division

GB 302 COMMERCIAL LAW (3-0-3). This course provides an in depth study of the legal principles relating to commercial transactions. Special emphasis will be placed

on the following areas of law: agency, contracts, sales, commercial paper, secured transactions, and bankruptcy. PREREQ: Upper division business standing and GB 202.

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. PREREQ: Upper division business standing.

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

GB 445 INTERNATIONAL BUSINESS (3-0-3)(F). An overview of (1) the international business environment; (2) country characteristics and conditions affecting firms that conduct business overseas; and (3) firm level decisions about marketing, finance and personnel, and other functions. PREREQ: Upper division business standing.

GB 450 BUSINESS POLICIES (3-0-3). To develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and worldwide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. PREREQ: Upper division business standing, senior standing plus FI 303, IS 310, MG 301, MK 301, PR 345 with grades of "C" or higher.

IB INTERNATIONAL BUSINESS

IB 320 MANAGING IN A GLOBAL ECONOMY (3-0-3)(F). An overview of (1) the international business environment facing business firms, whether engaged in business overseas or not, (2) country characteristics and conditions affecting firms that conduct business overseas; and (3) firm level decisions about strategy, entry into overseas markets and functional areas including marketing, finance and personnel. PREREQ: Upper division business standing.

IB 443 IMPORTING AND EXPORTING PROCEDURES (3-0-3)(F). Focusing on exporting and importing, this course offers practical experience in international trade. Specifically the course will cover payment and financial procedures, export procedures and documents, shipment methods, countertrade and resources available for importers and exporters. PREREQ: Upper division business standing and IB 320.

IB 444 INTERNATIONAL MANAGEMENT SIMULATION (3-0-3)(S). The course uses a computer simulation business game to provide teams of students the opportunity to learn how firms from Japan, the U.S. and Germany compete in a global economy. PREREQ: IB 320, College of Business core courses.

IB 455 SENIOR SEMINAR IN GLOBAL STRATEGY (3-0-3)(F/S). This capstone course for international business majors will help students integrate material learned in international business, economics, history and political science courses. The students will apply their knowledge by helping local area firms decide whether and how to be more competitive in a global economy. PREREQ: Limited to international business majors who have completed all Core International Business courses and GB 450.

IB 481 INTERNATIONAL INTERNSHIP OR OVERSEAS EXPERIENCE (3-0-3)(F/S). The course offers students the opportunity to gain international experience through hands-on experience including study abroad or an internship, either with a local firm or with an overseas firm. PREREQ: Approval of International Business Advisor and Upper division business standing.

MG MANAGEMENT

Upper Division

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

MG 305 HUMAN RESOURCE MANAGEMENT I (3-0-3)(F/S). The functions of human resource managementselection, planning, procurement, development, utilization, and compensationwith 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: Upper division business standing and MG 301 or PERM/INST.

MG 318 NEW VENTURE CREATION (3-0-3)(F/S). Topics include the legal, financial, marketing, and managerial issues involved in creating a new enterprise. A major requirement of the course is the completion of a comprehensive business plan describing and analyzing a proposed new venture. PREREQ: Upper division business standing and MG 301 or PERM/INST.

MG 319 SMALL BUSINESS AND ENTREPRENEURIAL MANAGEMENT (3-0-3) (F/S). This course is a continuation of MG 318 New Venture Creation. Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. PREREQ: Upper division business standing and MG 318 or PERM/INST.

MG 330 HUMAN RESOURCE LAW (3-0-3)(F). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanism of conflict resolution are discussed. PREREQ: Upper division business standing.

MG 340 EMPLOYEE AND LABOR RELATIONS (3-0-3)(F/S). History, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important concept and terminology in labor management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made. PREREQ: Upper division business standing.

MG 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. PREREQ: Upper division business standing.

MG 401 ORGANIZATIONAL BEHAVIOR (3-0-3). Emphasis on action skills useful for managers. Topics include managing of self, communicating, motivating, innovating, managing a group, use of formal and social power, persuading, and dealing with uncertainty. PREREQ: Upper division business standing and MG 301.

MG 405 MANAGEMENT OF CONTINUOUS LEARNING (3-0-3)(F/S). This course examines how managers can facilitate organizational, team and individual learning. It reviews the organizational and managerial innovations needed to support quality management and customer satisfaction. It will draw upon a variety of disciplines including: learning theory, Japanese management, socio-technical systems theory and social psychology of group problem solving. Special emphasis will be placed on skills in developing effective teams. PREREQ: Upper division business standing and MG 301

MG 406 HUMAN RESOURCE MANAGEMENT II (3-0-3)(F/S). Implementation, administration, maintenance, and control of a comprehensive compensation program. Job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Analysis of specialized topics in human resource selection. Analysis of specialized topics that are currently important in the human resource field. PREREQ: Upper division business standing and MG 305 or PERM/INST.

MG 415 COLLECTIVE BARGAINING (3-0-3)(S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics 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: Upper division business standing and MG 330, 340, or PERM/INST.

Department of Marketing and Finance

Business Building, Room 306
Telephone (208) 385-3356

Chair and Professor: Alan Frankle; *Professors:* Cornwell, Lincoln, McCain, Naumann, Stitzel; *Associate Professors:* Barney, Limaye, Ray, White; *Assistant Professors:* Maher, Petkus, Schooley, Smith.

Degrees Offered

- B.B.A., B.A. and B.S. in Finance
- B.B.A., B.A. and B.S. in Marketing

Department Statement

The department of marketing and finance currently serves the needs of approximately 250 undergraduate marketing majors and 200 undergraduate finance majors. Its faculty also teach graduate level courses in both disciplines as well as the business communication course required of all undergraduate business majors. Many courses also are offered which are of interest to majors outside the department and College of Business. Such courses cover topics like personal investing, personal finance and real estate.

Students taking courses in the department are expected to perform at a level commensurate with nationwide students attending other American Assembly of Collegiate Schools of Business (AACSB) accredited business programs. Much of the curriculum is internationally oriented and involves computer applications. Students can expect considerable outside-of-the-classroom work geared toward identifying and solving real-world problems. Research undertaken by the faculty also helps insure that students receive up-to-date knowledge in their chosen field.

The goal of the department is to help prepare graduates to identify opportunities, assess risk relative to returns and gather the resources necessary to operationalize opportunities. The department also aims to prepare these students so that they understand how to effectively participate in the growth, development and profitability of selected projects or ventures. Only through this educational approach will tomorrow's new business leaders find success in a world characterized as one of constant and rapid change.

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. Students 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.

FRESHMAN YEAR	1st SEM	2nd SEM
*English Composition E 101-102	3	3
Fund of Speech Communication CM 111 (Area II)	3	-
General Psychology P 101 (Area II)	-	3
*Mathematics M 105-106 or M 111-204 (Area III)	4	4
Core Electives (Area I)	3	3
**Electives	3	3
Totals	16	16
SOPHOMORE YEAR		
*Principles of Microeconomics EC 205	3	-
*Principles of Macroeconomics EC 206	-	3
*Intro to Financial Accounting AC 205	3	-
*Intro to Managerial Accounting AC 206	-	3
*Statistical Techniques I PR 207	3	-
*Legal Environment of Business GB 202	-	3
Statistical Techniques II PR 208	-	3
Physical or Biological Science Elective (Area III)	4	-
**Electives	3	4
Totals	16	16
JUNIOR YEAR		
***Principles of Marketing MK 301	3	-
***Management & Organizational Theory MG 301	3	-
***Principles of Finance FI 303	3	-
***Intro Mgmt Inform Systems IS 310	-	3
***Principles of Production Management PR 345	-	3
Business Communication AS 328	3	-
Money and Banking EC 301	3	-
Intermediate Microeconomics EC 303	-	3
Working Capital Management FI 410	-	3
Upper Division Accounting Course	-	3
**Electives	2	2
Totals	17	17
SENIOR YEAR		
Management of Financial Institutions FI 420	3	-
Investment Management FI 450	3	-
Organizational Behavior MG 401	3	-
Capital Budgeting and Planning FI 411	3	-
Frontiers in Financial Markets FI 451	-	3
***Business Policies GB 450	-	3
Decision Processes in Banking FI 421	-	3
****Major Elective	-	3
**Electives	3	3
Totals	15	15

*College of Business core courses must be completed with a grade of "C" or higher before students can be accepted into College of Business upper division courses. Students must make formal application for upper division standing by contacting the Student Services Center in the College of Business (B 203).
**Electives: At least 16 hours of electives must be outside the College of Business. The 16 hours must include courses from at least 2 of the 3 areas defined under Graduation Requirements at the front of the catalog. However, selections are not restricted to the courses actually listed under Areas I, II and III. Elective credits beyond those 16 chosen from Areas I, II and III may be business or non-business related.
***These courses must be completed with a grade of "C" or higher before taking Business PoliciesGB 450.
****Major elective chosen from upper division finance, accounting or economics. If elective is chosen from upper division accounting or economics, advisor approval is required and written verification of the approval must be sent to the Graduation Evaluators in the Registrars Office.

To graduate, students must have a **minimum** of 40 upper division (300/ 400 level) credit hours and 128 total credit hours.

FINANCE MINOR

Students pursuing a degree from the College of Business at Boise State University may earn a minor in Finance by satisfying the requirements listed below in addition to their major requirements.

REQUIRED COURSES:

- Principles of Finance FI 303 3
- Working Capital Management FI 410 3
- Capital Budgeting and Planning FI 411 3
- Investment Management FI 450 3

ELECTIVE COURSES: Any two of the following:

- Appraisal of Real Estate FI 371 3
- Real Estate Investment and Taxation FI 372 3
- Real Estate Finance FI 373 3
- Management of Financial Institutions FI 420 3

Decision Processes in Banking FI 421 3
International Finance FI 430 3
Frontiers in Financial Markets FI 451 3
Appraisal of Income Properties FI 471 3

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		
Fundamentals of Speech Comm CM 111 (Area II)	3	-
*English Composition E 101-102	3	3
*Mathematics M 105-106 or M 111-204 (Area III)	4	4
Core Electives (Area I)	3	3
**Electives	3	3
General Psychology P 101 (Area II)	-	3
Totals	16	16
SOPHOMORE YEAR		
*Introduction to Financial Accounting AC 205	3	-
Physical or Biological Sciences Elective (Area III)	4	-
*Statistical Techniques I PR 207	3	-
*Principles of Microeconomics EC 205 (Area II)	3	-
*Legal Environment of Business GB 202	3	-
Principles of Macroeconomics EC 206 (Area II)	-	3
Statistical Techniques II PR 208	-	3
*Introduction to Managerial Accounting AC 206	-	3
**Electives	-	6
Totals	16	15
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	-
***Intro to Mgmt Information Systems IS 310	3	-
Business Communication AS 328	3	-
****Marketing Electives	-	6
Marketing Management MK 320	-	3
***Principles of Production Management PR 345	-	3
Customer Behavior MK 307	-	3
Totals	18	15
SENIOR YEAR		
Organizational Behavior MG 401	3	-
****Marketing Electives	6	6
**Electives	5	6
Marketing Research MK 415	3	-
***Business Policies GB 450	-	3
Totals	17	15

*College of Business core courses must be completed with a grade of "C" or higher before students can be accepted into College of Business upper division courses. Students must make formal application for upper division standing by contacting the Student Services Center in the College of Business (B 203).
**Electives: At least 16 hours of electives must be outside the College of Business. The 16 hours must include courses from at least 2 of the 3 areas defined under Graduation Requirements at the front of the catalog. However, selections are not restricted to the courses actually listed under Areas I, II and III. Elective credits beyond those 16 chosen from Areas I, II and III may be business or non-business related.
***These courses must be completed with a grade of "C" or higher before taking Business PoliciesGB 450.
****Marketing majors must take 18 hours of marketing-related electives, of which 9 must be chosen from upper division marketing courses. The remaining courses must be approved by marketing advisors to provide for a personalized emphasis (a maximum of 3 internship credits is allowed in fulfillment of marketing electives).

To graduate, students must have a **minimum** of 40 upper division (300/ 400 level) credit hours and 128 total credit hours.

Course Offerings

See page 4 for definition of course numbering system.

AS ADMINISTRATIVE SERVICES

Upper Division

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 and Upper Division Business standing.

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

FI FINANCE

Lower Division

FI 201 FUNDAMENTALS OF REAL ESTATE (3-0-3)(F/S). Essentials of real estate practice, listings, sales, financing, land descriptions, investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions.

FI 208 PERSONAL FINANCE (3-0-3)(F/S). 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 220 LAW OF REAL ESTATE (3-0-3)(F/S). Designed to review the laws establishing and governing basic rights of ownership and use of real estate. The concepts of the modern real estate transaction, the real estate brokerage business and the various legal relationships involved are discussed. PREREQ: GB 202 and FI 201.

FI 231 PRINCIPLES OF INSURANCE (3-0-3)(F/S). 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.

Upper Division

FI 303 PRINCIPLES OF FINANCE (3-0-3)(F/S). An introductory course focusing on financial management for business concerns. Topics include: allocation of resources for investment in short- and long-term assets, decisions with respect to debt and equity financing and dividend policy. Lectures and reading are blended with problems and cases for class discussion. PREREQ: Upper Division Business standing or PERM/INST.

FI 371 APPRAISAL OF REAL ESTATE (3-0-3) (F/S). Modern real estate appraising concepts and the technical skills employed in their application to residential property. PREREQ: Upper Division Business standing and FI 201.

FI 372 REAL ESTATE INVESTMENT AND TAXATION (3-0-3)(F/S). Real Estate from the investor'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: Upper Division Business standing, FI 201, FI 220 and FI 303.

FI 373 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: Upper Division Business standing, FI 201 and FI 303.

FI 410-410G WORKING CAPITAL MANAGEMENT (3-0-3)(S). 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 Business standing and FI 303.

FI 411-411G CAPITAL BUDGETING AND PLANNING (3-0-3)(F). Acquisition and allocation of long-term sources of funds are the subject of this course. Emphasis is placed on fund raising and the problems associated with measurement and structural influences on the firm's cost of capital. Cash-flow analysis and alternative investment decision rules are examined. Cases are used for classroom discussion as a link between theory and practice. PREREQ: Upper Division Business standing, FI 303 and PR 208.

FI 420-420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3)(F). The interaction between financial institutions and financial markets are examined and their roles in the economy are discussed. Emphasis is placed on the changes taking place within the financial community and the effects on financial institutions in general and commercial banking in particular. PREREQ: Upper Division Business standing, FI 303 and EC 301.

FI 421-421G 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 Business standing and FI 420.

FI 430 INTERNATIONAL FINANCE (3-0-3)(F). 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 management, capital budgeting and cost of capital for the multinational firm. PREREQ: Upper Division Business standing and FI 303.

FI 450-450G INVESTMENT MANAGEMENT (3-0-3)(F). 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 performance. Class format incorporates lecture and readings and may include guest lecturers. PREREQ: Upper Division Business standing, FI 303 and PR 208.

FI 451-451G FRONTIERS IN FINANCIAL MARKETS (3-0-3)(S). 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 and journal and trade articles and may include guest speakers. PREREQ: Upper Division Business standing and FI 450.

FI 471 APPRAISAL OF INCOME PROPERTIES (3-0-3)(F/S). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques and capitalization roles are analyzed. PREREQ: Upper Division Business standing, FI 201 and FI 371.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3)(F/S). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds background developed in the regularly scheduled finance courses. The topics offered will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor. PREREQ: Upper Division Business standing.

MK MARKETING

Upper Division

MK 301 PRINCIPLES OF MARKETING (3-0-3)(F/S). Describes the methods of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy; determining the product, price, promotion and place in a proper mix. PREREQ: Upper Division Business standing.

MK 306 PROMOTION MANAGEMENT (3-0-3)(F/S). A comprehensive approach to creating and implementing advertising and promotional activities. New issues of consumer research are emphasized and integrated with the promotional mix. The economic and social criticisms of advertising are stressed to insure that managers are aware of the ethical responsibilities inherent in the job. PREREQ: Upper Division Business standing and MK 301.

MK 307 CUSTOMER BEHAVIOR (3-0-3)(F/S). Concepts in and analysis of consumer and group satisfaction attributes, methods of measurement and processes to guide decisions using this knowledge. PREREQ: Upper Division Business standing and MK 301.

MK 320 MARKETING MANAGEMENT (3-0-3)(F/S). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, planning and administering marketing programs. Consumer, industrial, institutional and international markets considered. PREREQ: Upper Division Business standing and MK 301.

MK 340 SERVICES MARKETING (3-0-3)(F). Examines the problems and strategies used in services marketing. Methods of evaluating quality in service development and delivery will be analyzed. Design and implementation of the services marketing mix will be studied through discussion, readings and selected case analyses.

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: Upper Division Business standing, PR 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: Upper Division Business standing and MK 415.

MK 418 CUSTOMER SATISFACTION MEASUREMENT (3-0-3)(F/S). This course introduces students to the concept and process of measuring customer satisfaction. The specific issues connected with designing and implementing customer satisfaction programs will be presented. Included will be an analysis of how customer satisfaction data can be integrated into the operations of the organization. Such topics as internal and external bench marking, survey techniques and survey data analysis will be discussed. PREREQ: MK 301.

MK 421 SALES ADMINISTRATION (3-0-3)(F/S). Management and integration of sales organizations emphasizing recruiting, selection, training, supervision and compensation of salesmen. Stress also placed on coordination with other functional managers and ethics and social responsibilities of the sales manager. PREREQ: Upper Division Business standing and MK 301.

MK 425 MARKETING PLANNING APPLICATIONS (3-0-3)(F/S). Real world study of marketing problems. Emphasis on live marketing problem definition, situational analysis, identification and evaluation of alternative solutions, decision criteria, presentation of a "best" solution, programmatic design to accomplish desired objectives. PREREQ: Upper Division Business standing and MK 320.

MK 430 INTERNATIONAL MARKETING (3-0-3)(F/S). An analysis of the creation, planning and implementation of marketing strategies that cross national and cultural borders. PREREQ: Upper Division Business standing and MK 301.

MK 440 INDUSTRIAL MARKETING (3-0-3)(F/S). An analysis of activities related to the marketing of products and services to organizations including government agencies, profit and non-profit institutions and commercial enterprises. PREREQ: Upper Division Business standing and MK 301.

MK 498 SEMINAR IN CONTEMPORARY TOPICS IN MARKETING. Provides an opportunity for the study of topics of current interest in marketing. The topics will be selected based upon the interests of students and expertise of faculty. PREREQ: Upper Division Business standing.

Department of Mathematics

Math-Geology Building, Room 235
Telephone (208) 385-1172

Chair and Associate Professor: Stephen Grantham; *Professors:* Anderson, Eastman, Hausrath, Hughes, Juola, Kerr, Lamet, Maloof, Mech, Sulanke, Takeda, Ward, Young; *Associate Professors:* Ayers, Feldman, Ferguson, Griffin, Jarratt, Kenny, Scheerers; *Assistant Professors:* Bartoszynski, Buffenbarger, Holmes, Huang, Kania-Bartoszynska

Degrees Offered

- B.S. in Computer Science
- B.A. or B.S. in Mathematics
- B.A. or B.S. in Mathematics, Secondary Education option
- M.S. in Education, Mathematics emphasis: see *Graduate College Catalog* for further details.

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

COMPUTER SCIENCE
Bachelor of Science Degree

1. General University Requirements for B.S. degree.
2. Required BSU Computer Science courses (32 credits):
   - A. Intro Computer Science I CS 125 3
   - B. Intro Computer Science II CS 127 4
   - C. Low-Level Programming CS 223 3
   - D. Data Structures & Algorithms CS 242 4
   - E. Operating Systems CS 353 4
   - F. Programming Languages CS 354 4
   - G. Programming Language Translation CS 451 4
   - H. Theory of Computation CS 461 3
   - I. Software Engineering CS 471 3
3. One Computer Science course from: (3-4 credits)
   - A. Intro Computer Graphics CS 341 3
   - B. Database Theory CS 410 4
   - C. Network Protocols & Programming CS 525 3

4. Required Mathematics courses (17-19 credits):
   - A. Discrete & Found Math M 156 4
   - B. M 204-205 9
   - C. Fund of Statistics M 361 4
     or
     Probability & Statistics M 431-432 6
5. One Mathematics course from: (3-4 credits)
   - A. Linear Algebra M 301 4
   - B. Differential Equations M 331 3
   - C. Numerical Analysis M 340 4
   - D. Combinatorics M 445 3
6. Required Computer Engineering (through UI@Boise): (7 credits)
   - A. Digital Computer Fund XE 340 3
   - B. Digital Computer Lab XE 344 1
   - C. Computer Organization XE 441 3
7. A year's sequence in a laboratory science: (9-10 credits)
   - College Chemistry & Lab C 131-132 4
   - College Chemistry & Lab C 133-134 5
     or
     Mechanics, Waves & Heat PH 211-212 5
     Electricity, Magnetism & Optics PH 213-214 5
8. Two additional quantitative courses (6-10 credits):
   - A. Any physical or life science course for majors, or any other course which stresses quantitative methods. Each choice is subject to approval by the department, but a list of pre-approved courses is available.

COMPUTER SCIENCE MINOR

Calculus M 204-205	9
Discrete and Foundational Mathematics M 156	4
Intro to Computer Science I CS 125	3
Intro to Computer Science II CS 127	4
Data Structures CS 242	4
At least one upper division Computer Science course	3-4
Total	27-28

MATHEMATICS MAJOR
Bachelor of Arts or Bachelor of Science Degree

I. University Requirements for B.A. or B.S. degree
2. Mathematics/CS Requirements: Lower division
   - A. M 156 Discrete and Foundational Mathematics 4
   - B. M 204-M 205-M 206 or M 211-212 Calculus 13-10
   - C. CS 125 Intro Computer Science I 3
2. Upper division Mathematics — 27 credits including:
   - A. Linear Algebra M 301 4
   - B. One or more selections in at least 4 of the 5 following groups
     1) Introduction to Abstract Algebra M 302 3
     2) Foundations of Analysis M 314 3
     3) Fundamentals of Statistics M 361
        or 4-6
        Probability & Statistics M 431-432
     4) Number Theory M 306 3
        Abstract Algebra M 441 3
        Combinatorics M 445 3
        Linear Programming M 456 4
     5) Theory of Functions of a Complex Variable M 406 3
        Numerical Analysis M 340 4
        Differential Equations M 331 3
        Advanced Calculus M 401 3
        Intro to Topology M 411 3
   - C. One of the following sequences:
     1) Advanced Calculus M 401-402 6
     2) Fourier Series & Boundary Value Problems M 421 3
        Linear Programming M 456 4
     3) Probability & Statistics M 431-432 6
     4) Abstract Algebra M 441-442 6
   - D. And a 400-level course (numbered below M 490) in addition to those in the sequence selected.

All upper division mathematics courses numbered below M 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 490 through M 499 can be used toward the 27 credits of upper division mathematics requirements.

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

1. University Requirements for B.S. or B.A. degree
2. Mathematics/CS Requirements:
   - A. Intro to Computer Science I CS 125 3
   - B. Discrete and Foundational Mathematics M 156 4
   - C. Calculus through M 205 or M 212 9-10
   - D. Linear Algebra: M 301 4
   - E. At least one of
     1) Intro to Abstract Algebra M 302 3
     2) Number Theory M 306 3
   - F. Foundations of Geometry M 311 3
   - G. Foundations of Analysis M 314 3
   - H. Statistics M 361 or both M 431-432 4-6

I. Mathematical Modeling M 464 3
J. Mathematics in Secondary Schools M 490 3

3. Either 45 semester hours of Mathematics or 30 semester hours of Mathematics and an approved minor-certification area outside of Mathematics. (See page 187-190).
4. Education Requirements26-32 credits. See "Certification Requirements and Endorsements for Secondary Education." (See page 186).

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the 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

Intro Computer Science I CS 125 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

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

COMPUTER SCIENCE

This degree 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.

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102 or E 111-112	3	3
Discrete & Found Mathematics M 156	4	-
Intro Computer Science I CS 125	3	-
Intro Computer Science II CS 127	-	4
Calculus M 204	-	5
College Chemistry & Labs C 131-132	4	5
Area I or II	3	-
	17	17
SOPHOMORE YEAR		
Calculus M 205	4	-
Low-Level Programming CS 223	3	-
Data Structures & Algorithms CS 242	-	4
Fund of Statistics M 361	-	4
Mechanics, Waves & Heat PH 211-212	5	-
Electricity, Magnetism & Optics PH 213-214	-	5
Area I or II	3	3
	15	16
JUNIOR YEAR		
Operating Systems CS 353	4	-
Programming Languages CS 354	4	-
Digital Computer Fund & Lab XE 340, 344	4	-
Computer Organization XE 442	-	3
Software Engineering CS 471	-	3
Other Electives	4	9
	16	15
SENIOR YEAR		
Combinatorics M 445	3	-
Theory of Computation CS 461	3	-
Programming Language Translation CS 451	4	-
Database Theory CS 410	-	4
Networks or Adv Software Engr CS 525 or CS 573	-	3
Area I or II	6	9
	16	16

MATHEMATICS MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
Calculus M 204-205	5	4
English Composition E 101-102 or E 111-112	3	3
Discrete & Found Mathematics M 156	4	-
Intro Computer Science I CS 125	-	3
College Chemistry & Lab C 131-132	4	-
Area I and Area II core requirements	-	6
	16	16
SOPHOMORE YEAR		
Calculus M 206	4	-
Linear Algebra M 301	-	4
Number Theory M 306	3	-
Intro to Abstract Algebra M 302	-	3
Mechanics, Wave and Heat + Lab PH 211-212	5	-
Electricity, Magnetism and Optics + Lab PH 213-214	-	5
Area I and Area II core requirements	3	3
	15	15
JUNIOR YEAR		
Foundations of Analysis M 314	3	-
Probability & Statistics M 431-432	3	3
Differential Equations M 331	3	-
Fourier Series & Boundary Value Prob M 421	-	3
Area I or Area II	6	6
Electives	3	4
	18	16
SENIOR YEAR		
Abstract Algebra M 441-442 or Adv Calculus M 401-402	3	3
Combinatorics M 445	3	-
Foundations of Geometry M 311	-	3
Linear Programming M 456	-	4
Senior Seminar M 498	1	-
Electives	10	6
	17	16

MATHEMATICS, SECONDARY EDUCATION

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

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102 or E 111-112	3	3
Calculus M 204-205	5	4
Discrete & Found Mathematics M 156	4	-
Intro Computer Science I CS 125	-	3
Area I or II	3	6
	15	16
SOPHOMORE YEAR		
Calculus M 206	4	-
Linear Algebra M 301	-	4

Number Theory M 306	3	-
Intro to Abstract Algebra M 302	-	3
Physics PH 211-214	5	5
General Psychology P 101	3	-
Intro to Second Teach: Classroom Observation TE 172	1	-
Foundations of Education TE 201	-	3
	16	15

JUNIOR YEAR

Foundations of Analysis M 314	3	-
Foundations of Geometry M 311	-	3
Fund of Statistics M 361	-	4
Educational Psychology TE 225	3	-
Educational Technology TE 356	2	-
Secondary School Methods TE 381	-	3
Area I & II	9	6
	17	16

SENIOR YEAR

Mathematical Modeling M 464	3	-
Mathematics in Secondary School M 490	3	-
Educating Exceptional Secondary Student TE 333	1	-
Teaching Reading in Content Subjects TE 407	3	-
Secondary Student Teaching	-	16
Electives	7	-
	17	16

Course Offerings

See page 4 for definition of course numbering system.

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

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

CS COMPUTER SCIENCE

Lower Division

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

CS 113 INTRODUCTION TO PASCAL (2-0-2)(F/S). An introduction to the syntactic and execution characteristics of Pascal. Provides experience coding, compiling, finding and correcting syntax errors and executing Pascal programs. PREREQ: Satisfactory score on mathematics placement examination.

CS 115 INTRODUCTION TO C (2-0-2)(F/S). An introduction to the syntactic and execution characteristics of C, along with its use in the construction and execution of complete programs that implement simple algorithms. This course is not intended for CS majors, for whom CS 227 is more appropriate. 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). Data and procedure abstraction. Problem solving techniques, recursive algorithms, basic searching and sorting techniques. The software development process (specification, design, stepwise refinement). Social and ethical issues in computing. Note: it is recommended that students with no prior computing experience take CS 113 prior to or concurrently with this course. PREREQ: M 111 or M 106.

CS 127 INTRODUCTION TO COMPUTER SCIENCE II (4-0-4)(F,S). A continuation of the topics which were introduced in CS 125. Program correctness, the analysis of run-time behavior. PREREQ: CS 125 and M 156 or PERM/INST.

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

CS 227 PROGRAMMING IN C++ IN THE UNIX ENVIRONMENT (4-0-4)(S). Students will learn the fundamentals of object oriented programming using the C++ programming language. Shell programming and a number of important Unix programming tools are also covered. PREREQ: CS 127 or PERM/INST.

CS 242 DATA STRUCTURES AND ALGORITHMS (4-0-4)(S). Basic data structures (continued from CS 127), complexity analysis, complexity classes, problem solving strategies. Artificial Intelligence, rudiments of networks, relational databases and parallel and distributed algorithms are introduced. PREREQ: CS 127 or PERM/INST.

Upper Division

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

CS 353 OPERATING SYSTEMS (4-0-4)(F). File systems and buffer caching algorithms. Memory management. Process structure, control and scheduling algorithms. Interprocess communication techniques. PREREQ: CS 223 and CS 242 or PERM/INST.

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

CS 410 DATABASE THEORY (4-0-4)(S). A study of the theoretical foundations of database management systems. Design and implementation of alternatives for various database models, including, but not limited to, hierarchical, network and relational models. Comparison of the reliability, security and integrity of various database systems. Implementation of a simple system. PREREQ: CS 242 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 and 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 PROGRAMMING LANGUAGE TRANSLATION (4-0-4)(F). Assembler language programming, theory and practice of formal language translation, experience with compiler construction tools under UNIX. Students work on significant projects. PREREQ: CS 242 and CS 354 or PERM/INST.

CS 461 INTRODUCTION TO THE THEORY OF COMPUTATION (3-0-3)(F). Grammars, automata, Turing machines, decidability and complexity, language hierarchies, normal forms, NP completeness and reducibilities. Applications will be drawn from various areas of Computer Science. PREREQ: CS 242 or PERM/INST.

CS 471 SOFTWARE ENGINEERING (3-0-3)(S). A formal study of the software development process. Topics include: life cycle models, requirements definition, specification, design, implementation, validation, verification, maintenance and reuse. Students work in small teams on significant projects. PREREQ: CS 242 or PERM/INST.

M MATHEMATICS

Lower Division

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

M 020 ELEMENTARY ALGEBRA (3-0-0). A refresher course covering fundamental operations, linear equations and inequalities, exponents, polynomials, factoring and the quadratic formula. Designed to bring the student to the level of proficiency required for M 100, 103, 105, or 108.

M 100 MATHEMATICS FOR LIBERAL ARTS STUDENTS (4-0-4)(F,S)(AREA III). Designed for liberal arts students. Emphasis is on the nature of mathematical knowledge, its meaning, methodology and use. Generally topics will be selected from the elementary materials in set theory, logic, number theory, algebra, geometry, probability, statistics, graph theory. PREREQ: Satisfactory score on mathematics placement examination.

M 103 STRUCTURE OF ARITHMETIC FOR TEACHERS (3-2-4)(F,S). The study of number systems from whole numbers through the reals: numeration, number operations, algorithms and properties. The course includes a laboratory component 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 laboratory. 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, or 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 156 DISCRETE AND FOUNDATIONAL MATHEMATICS (4-0-4)(F/S). Designed to prepare the student for both computer science and upper division mathematics. Discrete topics include elementary number theory and modular arithmetic, fundamental principles of combinatorial enumeration and basic concepts of graph theory. Foundational topics include propositional and predicate logic, the nature of proof, mathematical induction, functions and relations. PREREQ: M 111 or PERM/INST.

M 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, or both M 205 and M 156.

M 302 INTRODUCTION TO ABSTRACT ALGEBRA (3-0-3)(S). Sets, groups, integral domains, rings and fields. PREREQ: M 156 and M 205 or M 212.

M 306 NUMBER THEORY (3-0-3)(F). Diophantine equations, residues, quadratic reciprocity and continued fractions. PREREQ: M 156 and M 205 or M 212.

M 311 FOUNDATIONS OF GEOMETRY (3-0-3)(S). Euclidean, non-euclidean and projective geometries from an axiomatic point of view. PREREQ: M 156 and 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 156 and M 205 or M 212.

M 320 VECTOR CALCULUS (2-0-2)(F). Vector valued functions of one or several variables, line and surface integrals, Green's Theorem, Stokes'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 205 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 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). The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration and infinite series. PREREQ: M 314 for M 401; M 401 for M 402. This is a two-semester sequence with M 401 offered in the fall of odd-numbered years, followed by M 402 in the spring of even-numbered years.

M 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 mappings, 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 431-431G PROBABILITY AND STATISTICS (3-0-3)(F). Discrete and continuous random variables, conditional probability, expectation, moment generating functions, central limit theorem. PREREQ: M 206 or 212.

M 432-432G PROBABILITY AND STATISTICS (3-0-3)(S). Point and interval estimation, hypothesis testing, analysis of variance, non-parametric tests. PREREQ: M 431.

M 441-442 ABSTRACT ALGEBRA (3-0-3). Group theory, homomorphism theorems, Sylow theorems, ring theory, ideal theory, field theory, field extensions and Galois groups. PREREQ: M 301, 302 for M 441; M 441 for M 442. This is a two-semester sequence with M 441 offered in the fall of even-numbered years, followed by M 442 in the spring of odd-numbered years.

M 445 COMBINATORICS (3-0-3)(F). Advanced techniques of enumeration, manipulation of sums, recurrences, generating functions, special integer sequences. Selected topics from graph theory, partially ordered sets, combinatorial designs and optimization. Emphasis on constructive techniques. PREREQ: M 156 and M 361 or M 431.

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)(F). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models. Optimization. Examples will drawn from the physical, biological and social sciences. PREREQ: M 361 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 Military Science (Army ROTC)

Pavilion, Room 2025
Telephone (208) 385-3500

CADRE: *Chair and Professor:* Lieutenant Colonel Larry W. Satterwhite; *Assistant Professors:* Bankhead, Carlson, Quirin, Wock; *Instructors:* Carr, Neyman.

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: There is no military obligation. The basic course consists of the first two years of Military Science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a six-week summer camp between their sophomore and junior year, or by obtaining 90 military contract hours. Veterans and some Reserve Component/National Guard personnel are given credit for some of the basic course.

Advanced Course: The advanced course includes two additional years of Military Science and a six-week summer camp. The camp provides for practical application of instruction previously given. Admission to the advanced course is by permission of the chair of the department of military science.

Requirements for Army Commissions

Applicants for admission to the advanced course must:

1. have satisfied one of the following requirements: Completion of the basic course; successfully completed the six-week summer basic camp: completed Basic Training and Advanced Individual Training; and must have a minimum of 50 semester hours;
2. be able to complete all requirements for commissioning prior to their 30th birthday; 32 if they have 2 years of Active Duty;
3. successfully complete prescribed survey and general screening tests;
4. be approved by the president of Boise State University or any other institution to which they may thereafter be admitted;
5. execute an individual contract with the government in which they agree to complete the advanced course at Boise State University or any other institution at which they may thereafter be enrolled where such a course is given;
6. devote a minimum of eight hours a week to the military training prescribed by the Secretary of the Army;
7. attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year;
8. enlist in the ROTC Control group (this enlistment does not involve additional training or duty, but is to insure compliance with the terms of the contract signed by the student which require active enlisted duty if contact 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 for 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 standardization requirements require 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 but not required. For students going to an ROTC Summer Camp, these classes are highly recommended:
   A. FA 168 - Aerobic Activities
   B. FA 164 - Personal Fitness and Weight Control
   C. PE 121 - Standard First Aid & CPR
6. **Computer Literacy.** Recommended courses include Computer Application IS 101 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. There are a large number of Nursing Scholarships available.

Financial Assistance: Each advanced course student receives an allowance of $100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters and medical and dental attention is paid as follows: Basic camp, $740 (approximately); advanced camp $840 (approximately); travel pay, 20 1/2 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 4 for definition of course numbering system.

ML MILITARY SCIENCE - No Military Obligation

Lower Division

ML 101 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an overview of ROTC to include the purpose and history of ROTC, introduction to land navigation, customs and courtesies of the military, rifle marksmanship and first aid. Laboratory consists of progressive participation in leadership exercises, adventure training and military branch orientation.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). This course is a continuation of ML 101. The student will receive further instruction in such military subjects as Cross-Country Skiing, Small-Unit Tactics, Individual Tactical Movement, First Aid and Introduction to Leadership. Laboratory consists of progressive participation in Leadership exercises, adventure training and military skills orientation. PREREQ: ML 101 or PERM/INST.

ML 104 RANGER CHALLENGE (0-1-1)(F,S). Course is designed to augment existing Military Science classes, especially ML 101 and 102 classes. Students will be instructed in several basic military/survival skills such as Field Expedient Bridging, Marksmanship, Individual Weapons Familiarization, Individual Tactical Movement, and Physical Readiness. This training culminates in team competitions among various ROTC Colleges and Universities throughout the Northwest.

ML 201 INTRODUCTION TO LEADERSHIP (2-1-2). Prepares student for ROTC Advanced Course. Areas of emphasis will include Leadership, Land Navigation, Oral and Written Communications, and General Military Subjects as outlined by Military Qualification Skills (MQS I) guidance. Laboratory consists of progressive instruction in Land Navigation, Individual Military Skills, Adventure Training, and Military Professionalism.

ML 202 APPLIED LEADERSHIP(2-1-2). Prepares the student for the ROTC Advanced Course. The Applied leadership course will concentrate on the instruction and practical application of Small-Unit Tactics, First Aid, and Military Professional Development. Laboratory consists of progressive participation in Leadership exercises, adventure training, military skills orientation, and tactical instruction.

Upper Division

ML 301 LEADERSHIP AND MANAGEMENT (3-1-3-)(F). Increases the student's poise and confidence as a military instructor and leader. Provides information on the branches of the Army available for assignment and prepares each student to make his/her selection during the senior year. Prepares the student for participation in ROTC 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 Modern Languages

Education Building, Room 331
Telephone (208) 385-3956

Chair and Associate Professor: Steven Loughrin-Sacco; *Professor:* Jocums; *Associate Professor:* Robertson; *Assistant Professor:* Moorhead.

Degrees Offered

- B.A. in French
- B.A. in French, Secondary Education
- B.A. in German
- B.A. in German, Secondary Education
- B.A. in Spanish
- B.A. in Spanish, Secondary Education

Department Statement

The study of languages gives students a sound foundation in the liberal arts. Graduates with language backgrounds possess a resource for continuing intellectual growth and personal fulfillment, a passport for moving easily within the world community and its diverse cultures and a practical tool for earning a living.

Programs in the department of modern languages concentrate on the acquisition of language and a knowledge of the culture that the language expresses. The department offers baccalaureate degrees in French, German and Spanish, as well as basic instruction in other languages such as Russian, Japanese and Basque.

Special encouragement is given to students who wish to pursue a minor emphasis in modern language to support a major taken outside the department. With the changing population of the United States and the growing interdependence of the international community, career opportunities are expanding rapidly for graduates who know a second language. Second language competency has become highly desirable in teaching, government and social services, diplomacy, law and medicine, mass communications, science and technology and international trade and marketing. The programs in modern languages have the latitude and flexibility to fit nearly any career goal.

The department encourages students who wish to acquire proficiency at a "professional" or "near-native" level to spend time in the country whose language they are studying. Programs available through the Office of Studies Abroad give students a chance to master a language and learn more about the culture and customs, often while studying at foreign universities and living with local families.

FRENCH MAJOR
Bachelor of Arts

1. To begin the program for the B.A. in French, the student must demonstrate competency in French equivalent to the completion of elementary (F 101-102) and 200 level courses totaling 8 credits French — 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program has a minimum of 36 credit hours of upper division work including FL 331; 30 credit hours must be in French, including FL 410 and 12 credit hours of these 30 credits must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisors and the department chair.
5. The candidate must demonstrate his or her level of language competency in French on the Modern Language Association or equivalent examination during the last semester in the program.

FRENCH, SECONDARY EDUCATION
Bachelor of Arts

In addition to meeting the requirements for the B.A. in French, the candidate for a teaching certificate must also complete the following:

1. Requirements as indicated in the Teacher Education section of this catalog.
2. From among the courses provided to complete 30 credit hours in French, the candidate must include 6 credit hours of Advanced Conversation and Composition and 6 credit hours of Culture and Civilization.
3. The candidate must successfully complete the Modern Language Methods course, TE 383 and Applied Linguistics for the Modern Language Teacher, FL 410.

GERMAN MAJOR
Bachelor of Arts

1. To begin the program for the B.A. in German, the student must demonstrate competency in German equivalent to the completion of elementary (G 101-102) and intermediate (G 201-202) German 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program has a minimum of 36 credit hours of upper division work including FL 331; 30 credit hours must be in German, including FL 410 and 12 credit hours of these 30 credits must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisors and the department chair.
5. The candidate must demonstrate his or her level of language competency in German on the Modern Language Association or equivalent examination during the last semester in the program.

GERMAN, SECONDARY EDUCATION
Bachelor of Arts

In addition to meeting the requirements for the B.A. in German, the candidate for a teaching certificate must also complete the following:

1. Requirements as indicated in the Teacher Education section of this catalog.
2. From among the courses provided to complete 30 credit hours in German, the candidate must include 6 credit hours of Advanced Conversation and Composition and 6 credit hours of Culture and Civilization.
3. The candidate must successfully complete the Modern Language Methods course, TE 383 and Applied Linguistics for the Modern Language Teacher, FL 410.

SPANISH MAJOR
Bachelor of Arts

1. To begin the program for the B.A. in Spanish, the student must demonstrate proficiency in Spanish equivalent to the completion of elementary (S 101-102) and intermediate (S 201-202 or 203) Spanish — 16 credit hours. Proficiency must be demonstrated by course work or placement/challenge procedures.
2. The program has a minimum of 30 credit hours of upper division work. Twenty-seven credit hours must be in courses conducted in Spanish. All students must successfully complete (with a grade of C or better) the following courses to graduate with a major in Spanish.

   S 303 Advanced Spanish Conversation & Composition 3
   S 304 Introduction to Hispanic Literature
   or
   S 305 Spanish for Business 3
   FL 331 Intro to Literary Studies (taught in English).....3
   S 376 Spanish Peninsular Civilization & Culture
   or

S 377 Latin-American Civilization & Culture
or
S 385 Mexican-American Culture & Civilization 3
S 404 Survey of Latin-American Literature
or
S 405 Survey of Spanish Peninsular Literature 3
S 412 Advanced Spanish Grammar & Syntax 3
S 498 Senior Seminar 3
Additional upper-division Spanish electives 9
(only 3 credits hours of electives may be S 496)
Total 30

3. The Senior Seminar (S 498) will be taken at least one semester prior to graduation.
4. The program must be developed in consultation with a major advisor in Spanish and approved by the department chair.
5. The candidate must demonstrate advanced levels of language proficiency by means of an exit examination and oral proficiency interview taken at least one semester prior to graduation.

SPANISH, SECONDARY EDUCATION
Bachelor of Arts

1. Requirements as indicated in the Teacher Education section of this catalog.
2. All requirements as listed for the Spanish Major: bachelor of arts in this catalog.
3. In addition to the above mentioned requirements, all candidates will be required to successfully complete, with a grade of 'C' or better, the following courses:
   LI 305 Modern English Grammar 3
   TE 383 Secondary Foreign Language Methods 3
   Total 6
4. The program has a minimum of 36 hours of upper division work. Twenty-seven credits hours must be in Spanish.

FRENCH MINOR

200 Level Courses Totaling 8
Advanced French Conversation & Composition F 303 or 304 3
Civilization & Culture F 376 or 377 3
Upper division French electives 6
Total 20

GERMAN MINOR

Intermediate German G 201-202 8
Advanced German Conversation & Composition G 303 or 304 3
Civilization & Culture G 376 or 377 3
Upper division German electives 6
Total 20

SPANISH MINOR
PRIMARY, SECONDARY, BILINGUAL EDUCATION
OR SPANISH EMPHASIS

Intermediate Spanish S 201-202 or 203 8
Advanced Spanish Conversation & Composition S 303 3
Introduction to Hispanic Literature S 304
or
Spanish for Business S 305 3
Introduction to Literary Studies FL 331 3
Civilization & Culture S 376 or 377 or 385 3
Upper division Spanish electives 3
Total 23

SPANISH MINOR
BUSINESS EMPHASIS

Intermediate Spanish S 201-202 or 203 8
Advanced Spanish Conversation & Composition S 303 3
Spanish for Business S 305 3
Civilization & Culture S 376 or 377 or 385 3
Advanced Business Topics in the Spanish Speaking World S 480 3
Upper division Spanish electives 3
Total 23

Course Offerings

See page 4 for definition of course numbering system.

Placement Examinations: To ensure that students with language abilities in French, German and Spanish enroll in the appropriate level of course work, 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 time schedule.

Language Resource Center: State of the art, interactive lab equipment is available to assist students in their language studies. Most 100- and 200-level language courses require conversation practice in the Language Resource Center, for which students pay an additional laboratory fee.

Petitions for 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.

BQ BASQUE

Lower Division

BQ 101-102 ELEMENTARY BASQUE (4-1-4)(F/S). These courses begin the development of speaking, listening, reading and writing the unified language known as Euskera Batua, but dialectical forms used by native speakers will also be explained. Conducted in Basque, the first semester of the course emphasizes vocabulary building with greater emphasis on grammar in the second semester.

FL FOREIGN LANGUAGE

Upper Division

FL 331 INTRODUCTION TO LITERARY STUDIES (3-0-3)(F/S). A global view of the theories and methods of literary analysis, explication, interpretation and translation. Readings will be primarily in English and represent a wide variety of genres and authors in the modern languages. Frequent writing assignments. Course conducted in English. PREREQ: F 102, G 102, S 102 or equivalent as determined by placement exam and/or PERM/INST.

FL 410 APPLIED LINGUISTICS FOR THE MODERN LANGUAGE TEACHER (3-0-3)(F/S). Application of linguistic theory and concepts to foreign language teaching and learning practices. Analysis of general and language-specific problems encountered in instruction. PREREQ: LI 305 and minimum of six credits upper division language or PERM/INST.

F FRENCH

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)(F/S). 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 200 INTERMEDIATE FRENCH LANGUAGE (3-0-3)(F). A continuation of intensive, basic French. PREREQ: F 102 , equivalent or PERM/DEPT.

F 201 INTERMEDIATE FRENCH LITERATURE (3-0-3)(F)(AREA I). Unabridged readings in French literature, selected for language competency enhancement and to introduce students to French literature from the 19th & 20th centuries. PREREQ: F 102, equivalent or PERM/DEPT.

F 202 INTERMEDIATE FRENCH: CIVILIZATION (3-0-3)(S)(AREA I). Unabridged readings in French civilizationcompetency enhancement. PREREQ: F 102, equivalent or PERM/DEPT.

F 203 INTERMEDIATE FRENCH CONVERSATION (0-2-1)(F,S). Conversation and pronunciation practice in contemporary, metropolitan French. May be repeated once for credit. PREREQ: F 102, equivalent or PERM/DEPT.

F 223 INTERMEDIATE FRENCH: READINGS IN THE DISCIPLINES (V-0-V[1-2](F,S). This course is designed for those who wish French readings in professional content subjects selected for language competency enhancement and to introduce students to these concerns in francophone countries. May be repeated once for credit. PREREQ: F 102, equivalent or PERM/DEPT.

Upper Division

F 303 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3)(F/S). 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: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 304 ADVANCED FRENCH COMPOSITION AND CONVERSATION (3-0-3)(F/S). 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: 8 credits of 200 level courses or PERM/DEPT.

F 376 FRENCH CIVILIZATION AND CULTURE TO 1789 (3-0-3)(F/S). 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: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 377 MODERN FRANCOPHONE CIVILIZATION AND CULTURE (3-0-3)(F/S). 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: 8 credits of 200 level courses or PERM/DEPT. Alternate years.

F 415 MEDIEVAL AND RENAISSANCE FRENCH LITERATURE (3-0-3) (F/S). This course studies French Literature from approximately 1040 to 1600, beginning with medieval lyric and romance and concluding with the essays of Montaigne. PREREQ: FL 331 and 8 credits of 200 level courses or PERM/INST. Alternate years.

F 425 FRENCH LITERATURE: ENLIGHTENMENT, ROMANTICISM, REALISM (3-0-3)(F/S). A survey of eighteenth- and nineteenth-century literature in all genres written in French. PREREQ: FL 331 and 8 credits of 200 level courses or PERM/INST. Alternate years.

F 435 TWENTIETH-CENTURY FRENCH LITERATURE (3-0-3)(F/S). A survey of the major authors and thinkers of France and the French-speaking world during the twentieth century. PREREQ: FL 331, 8 credits of 200 level courses or PERM/INST. Alternate years.

F 475 FRANCE TODAY (3-0-3)(F/S). An analysis of contemporary problems and events in the French-speaking world. Readings and discussion will be interdisciplinary, drawing from social, economic, political, educational and scientific sources. PREREQ: F 376 or 377 or PERM/INST. Alternate years.

F 498 SENIOR SEMINAR: Selected Topics in French Literature and Culture (3-0-3)(F/S). Required of all majors. Seminar discussion and individual research into areas of special interest, with attention to research methodology and presentation of a culminating project or paper. PREREQ: Senior standing or PERM/INST.

G GERMAN

Lower Division

G 101-102 ELEMENTARY GERMAN (4-1-4)(F/S). Listening, speaking, reading and writing skills in cultural framework. May not enroll in G 101 for credit with more than one year of high school German or equivalent except with PERM/INST. Students in G 102 lacking adequate preparation may drop back to G 101.

G 101-P - 102-P PROGRAMMED ELEMENTARY GERMAN (0-4-4)(F/S). Self-paced course; programmed texts, tapes, readings, informal meetings with instructor. Performance tests at student's pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

G 201-202 INTERMEDIATE GERMAN (4-1-4)(AREA I)(F/S). 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) (F/S). 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) (F/S). 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 376 GERMAN CULTURE AND CIVILIZATION (3-0-3)(F/S). 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)(F/S). 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 415 GERMAN LITERATURE OF THE ENLIGHTENMENT AND "STORM AND STRESS" (3-0-3)(F/S). 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: FL 331 or PERM/INST. Alternate years.

G 425 CLASSICAL AND ROMANTIC GERMAN LITERATURE (1700-1830)(3-0-3) (F/S). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. PREREQ: FL 331 or PERM/INST. Alternate years.

G 435 NINETEENTH-CENTURY GERMAN LITERATURE (3-0-3)(F/S). Selections from a wide cross-section of 19th century German literature: Buchner, the "Young Germans," Grillparzer, Hebbel, Gottheif, Keller, Stifter, Storm, C.F. Meyer and others. PREREQ: FL 331 or PERM/INST. Alternate years.

G 445 MODERN GERMAN LITERATURE (3-0-3)(F/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: FL 331 or PERM/INST. Alternate years.

G 455 CONTEMPORARY GERMAN LITERATURE (3-0-3)(F/S). 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, Swiss and German writers. PREREQ: FL 331 or PERM/INST. Alternate years.

G 465 EARLY GERMAN LITERATURE: 1150-1720 (3-0-3)(F/S). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics. Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays; Angelus Silesius, Gryphius, Grimmelshausen, etc. PREREQ: FL 331 or PERM/INST. Alternate years.

G 475 THE GERMAN-SPEAKING WORLD TODAY (3-0-3)(F/S). 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)(F/S). Required of all German majors. 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.

JP JAPANESE

Lower Division

JP 101-102 ELEMENTARY JAPANESE (4-1-4)(F/S). The skills of speaking, listening, reading and writing Japanese are developed, initially emphasizing oral skills. Conducted in Japanese, the course also integrates the written language, introducing katakana, hiragana and a limited number of Chinese characters, used in context.

R RUSSIAN

Lower Division

R 101-102 ELEMENTARY RUSSIAN (4-1-4)(F/S). 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.

R 201-202 INTERMEDIATE RUSSIAN (4-1-4)(F/S)(AREA I). A continuation of R 102, these courses are intended to develop further the skills of listening, speaking, reading and writing Russian. Conducted in Russian, the courses use cultural and literary reading selections and writing assignments to build vocabulary and develop grammatical competency. PREREQ: R 102 or PERM/DEPT.

S SPANISH

Lower Division

S 101-102 ELEMENTARY SPANISH (4-1-4)(F/S). Develops beginning abilities in all four language skills: speaking, reading, writing and listening. Offers a basic study of grammatical structures and vocabulary in a communicative context. Introduces students to Hispanic culture. S 102 PREREQ: S 101 or equivalent as determined by placement exam.

S 201-202 INTERMEDIATE SPANISH (4-1-4)(AREA I)(F/S). Intended to further develop all four language skills: speaking, reading, writing and listening. Intensive review of fundamentals of structure and vocabulary in a communicative context. Topics for conversation, reading and writing focus on Hispanic culture. Course conducted in Spanish. PREREQ: S 102 or equivalent as determined by placement exam and/or PERM/INST.

S 203 SPANISH FOR THE NATIVE OR NEAR-NATIVE SPEAKER (4-0-4)(F/S). A course designed for students with native or near-native speaking ability, but with little or no formal training in grammar, reading and writing. Provides introduction to and practice in the formal register in all four skills: reading, writing, listening and speaking. Students who qualify for this course may not receive credit for S 202. Course conducted in Spanish. PREREQ: S 201 or equivalent as determined by placement exam and PERM/INST.

Upper Division

S 303 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3)(F/S). Expands ability in all four skills reading, writing, speaking and listening with special emphasis on accuracy in the formal registers of spoken and written Spanish. Offers analysis of grammar and expansion of vocabulary through cultural and literary readings. Discussion of topics related to Hispanic contemporary trends. Includes frequent writing assignments. Course conducted in Spanish. PREREQ: S 202, 203 or equivalent as determined by placement exam and/or PERM/INST.

S 304 INTRODUCTION TO HISPANIC LITERATURE (3-0-3)(F/S). Develops and expands composition and conversation skills through the use of Hispanic literary terms and forms. A broad introductory course for students wishing to concentrate in culture and literature and for those students who will be teaching at any level. Includes frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 305 SPANISH FOR BUSINESS (3-0-3)(F/S). Introduction to the terminology and etiquette of business practice in the Spanish speaking world. Emphasis on appropriate terminology and structures for business letters and other forms of business communication. This course is highly recommended for students majoring/minoring in International Business and for those who wish their Spanish major or minor emphasis to be in Business. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 376 SPANISH PENINSULAR CIVILIZATION AND CULTURE (3-0-3)(F/S). Spanish Peninsular civilization from earliest Iberian beginnings to the present. Special attention given to the impact of Peninsular culture on the Western World. Discussions of topics such as music, economic and business environment, literature and the Conquest. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 377 LATIN-AMERICAN CIVILIZATION AND CULTURE (3-0-3)(F/S). Latin-American civilization and culture from the Pre-Columbian period to the present. Discussion of topics such as an analysis of historical, political, economic, social and cultural development in the Spanish-speaking Latin-American nations, as well as the impact on the Conquest and its implications for Latin-American identity formation and nationhood. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 385 MEXICAN-AMERICAN CULTURE AND CIVILIZATION (3-0-3) (F/S). Mexican-American culture and civilization from the conquest of Mexico and the Colonial period of New Spain to the present. Discussion of topics such as Pre-Columbian culture and its relation to Mexican-American Cultural practices. Analysis of the impact of the Mexican-American War and the resulting incorporation of Mexican territory into the United States on Mexican-American culture and identity formation from 1848 to the present. Readings may be in English and Spanish. Frequent writing assignments in Spanish. Course conducted in Spanish. PREREQ: S 303.

S 404 SURVEY OF LATIN-AMERICAN LITERATURE (3-0-3)(F/S). All periods, all genres. A global survey of the forms and genres of Latin-American literature from the Pre-Columbian epoch to the present. Analysis of not only the literature, but the social and historical circumstances in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303. Alternate years.

S 405 SURVEY OF SPANISH PENINSULAR LITERATURE (3-0-3)(F/S). All periods, all genres. A global survey of the forms and genres of Spanish Peninsular literature from the medieval period to the present. Analysis of not only the literature, but the social and historical circumstances in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303. Alternate years.

S 411 SPANISH FOR THE BILINGUAL CLASSROOM (3-0-3)(F/S). An oral and written communication course for those who need extended training in expressing ideas. Special emphasis on oral and written communication as they relate to the context of the Bilingual classroom. Discussion of topics such as prose style, vocabulary building, appropriateness of idioms and figures of speech. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 412 ADVANCED SPANISH GRAMMAR AND SYNTAX (3-0-3)(F/S). An intensive study of the formal written and spoken registers of Spanish. Also develops an awareness of and sensitivity to, the variety of spoken and written registers, especially those of Spanish in the United States. Special emphasis on appropriateness in the written register. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 425 MEXICAN-AMERICAN LITERATURE (3-0-3)(F/S). A survey of writings by Mexican-American authors. Discussion of topics such as an analysis of Mexican-American cultural and identity formation from 1848 to the present as represented in literature. Primary genres and movements, as well as gender issues within the field of Mexican-American literature, with special attention given to works produced during or after the Chicano Renaissance (1960's). Frequent writing assignments in Spanish. Course conducted in Spanish. PREREQ: FL 331 and S 303. Course may be repeated once for credit with PERM/INST. Alternate years.

S 435 20TH CENTURY SPANISH PENINSULAR LITERATURE (3-0-3)(F/S). A study of representative works and authors from modern Spain. Discussion of topics such as an analysis of genre, movements, the Generation of '98 and/or the sociohistorical climate in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303. Course may be repeated once for credit with PERM/INST. Alternate years.

S 437 20TH CENTURY LATIN-AMERICAN LITERATURE (3-0-3)(F/S). A study of representative works and authors from modern Latin America. Discussion of topics such as an analysis of genre, movements, the Boom and/or the sociohistorical climate in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303. Course may be repeated once for credit with PERM/INST. Alternate years.

S 465 MEDIEVAL AND GOLDEN AGE SPANISH PENINSULAR LITERATURE (3-0-3)(F/S). An introduction to the principal authors, works, genres and movements of Spanish Peninsular literature from the Medieval period and the Golden Age. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303. Course may be repeated once for credit with PERM/INST. Alternate years.

S 477 WOMEN'S LITERATURE OF THE SPANISH-SPEAKING WORLD (3-0-3)(F/S). An introduction to literature written by women in the Spanish-speaking world. All periods, all genres. Discussion of topics such as issues concerning women writers, representation of women in literature and/or the social and historical climate in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303. Course may be repeated once for credit with PERM/INST. Alternate years.

S 480 ADVANCED BUSINESS TOPICS IN THE SPANISH-SPEAKING WORLD (3-0-3)(F/S). An in-depth analysis of business etiquette, practices and climate in the Spanish-speaking world. Discussions of topics such as appropriate forms of correspondence, advances in technology, the impact of the social and political climate on business practice as well as the changing demographics of the Spanish-speaking population in the United States. Course conducted in Spanish. PREREQ: S 303 and S 305. Alternate years.

S 498 SENIOR SEMINAR (3-0-3)(F/S). A capstone, exit requirement course. Topic chosen by instructor on a rotating basis year-to-year. Discussion of topics such as literary, linguistic and/or social and historical subject matter. Students will demonstrate proficiency in the written and oral codes by means of a 10-15 page research paper and an expanded oral presentation on the topic of the paper. Frequent writing assignments. Course must be taken at least one semester prior to graduation and includes an exit oral proficiency interview. Course conducted in Spanish. PREREQ: FL 331 and S 303.

Department of Music

Morrison Center, Room C-100
Telephone (208) 385-1771

Chair and Professor: James D. Cook; *Professors:* Baldwin, W. Elliott, Hsu, Parkinson, Rozmajzl; *Associate Professors:* Baldassarre, Belfy, Berg, Bratt, Brown, C. Elliott, Oakes, Samball, Schroeder, Thomason, Wells; *Assistant Professors:* Maynard, Purdy.

Degrees Offered

- B.A. and B.M. in Music
- B.M. in Music Education
- M.M. in Music Education and Performance/Pedagogy: See *Graduate College Catalog* for further details.

Department Statement

The goal of the department of music is two-fold: 1) to train students to become successful and productive professional musicians, musician teachers, or musician/business people in today's society, giving them as thorough and comprehensive a background in the art and practice of music as is possible to do; and 2) to heighten musical awareness in the general, non-major student. In training the aspiring professional, the goal of excellence in musicianship is defined by the faculty in the courses, various degree programs and majors offered by the department at both the undergraduate and graduate levels.

In addition the department of music serves the needs of the University community as well as the larger community of metropolitan Boise and the State of Idaho through the offering of courses, by presenting musical performances for the public's cultural growth and entertainment, by making available faculty and/or student performers at various community functions and by providing leadership for many cultural activities in the community.

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.

Gifts and Memorials

The Department of Music has been the recipient of many fine gifts of electronic equipment, instruments, music, scholarship donations, books and record collections from friends and supporters of the department including individuals, clubs, businesses and organizations. Several Steinway pianos, including a 7' and a 9' grand, are the generous gifts of Mr. & Mrs. William K. Dunkley and Dunkley Music Company of Boise. In the Hemingway Western Studies Center is housed the J. W. Cunningham Memorial Pipe Organ, a three-manual Austin Organ of 46 ranks and 59 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.

The department of music is especially grateful to these donors who have given so generously:

Boise Choristers
Dr. & Mrs. Robert deNeufville
Peter Furno
Dr. & Mrs. Arthur C. Jones
Bryant S. Martineau
Presser Foundation
Dr. Gerald & Eunice Wallace
Bernice Brusen
William K. Dunkley Family
Alice Gould
Senator Len Jordan
Marjorie Palmquist
Mr. & Mrs. Edward Utley
Mrs. Eli Weston

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

Music Major Programs: The music department offers two baccalaureate degree programs which students may choose between and one Graduate Degree program with two emphases that students may choose from.

1. The bachelor of music degree is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Music Education.
   B. 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.
   A. 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 prefers wants a general Music major program within a broader based liberal arts degree.

Degree Requirements

BACHELOR OF MUSIC PROGRAM

1. General Requirements

A. All full-time music majors will be required to attend Concert Class during each semester of residency at Boise State University until the required number of semesters of Pass grade in Concert Class has been achieved, as follows: bachelor of arts General Music and Music/Business majors and bachelor of Music Performance and Theory & Composition emphasis majors8 semesters, bachelor of Music-Music Education emphasis7 semesters (see course description for MA 010 for additional details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA 444, 445 or 446 recitals are exempt from faculty jury during the semester in which the recital is given.

B. All bachelor of music majors whose major instrument is other than keyboard are required to pass, no later than the end of the junior year, the Piano Proficiency Examination before a faculty committee. A grade of C or better in MU 213 will satisfy this requirement. Details are available from the music department.

C. All full-time bachelor of music majors will register in a major ensemble (Symphonic Winds, University Orchestra, Meistersingers, University Singers, or for keyboard or guitar majors the appropriate course as specified), each semester until the minimum number of semesters for graduation have been met. Only one major ensemble per semester will be counted toward graduation requirements.

Minimum ensemble requirements:

Performance Majors:
Keyboard 8 semesters, 2 may be Accompanying
2 may be Duo-Piano
Guitar 8 semesters, 4 may be Guitar Ensemble
Voice 8 semesters, 2 may be Opera Workshop
All Others 8 semesters
Theory & Composition Majors 8 semesters
Music Education Majors 7 semesters
Additional details are available from the music department.

D. The following core of Music courses will be included in all bachelor of music curricula:
- Concert Class MA 010 0
  (attendance required each semester of full-time student until minimum number of semesters of pass grade is met.)
- Major Ensemble (see 1C above) 7-8
- Materials of Music I-IV MU 119*, 120, 219, 220 12
  (*Students intending to enroll in MU 119 must previously earn a C grade or better in MU 103 or make a satisfactory score on the Theory Placement test. See MU 119 course description.)
- Ear Training I-IV MU 121, 122, 221, 222 4
- Survey of Western Art 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 38-39

E. All Music Education majors in the bachelor of music program are required to pass a vocal proficiency exam before their application for student teaching. Successful completion of MU 221 Ear Training III and of the folk/art song singing section of MU 256 Vocal Techniques and Methods will satisfy this requirement. Further details are available from the music department.

2. Performance Emphasis Minimum Requirements:

A. General University & Basic Core Requirements for bachelor of music Degree 32

B. Music Requirements
- 1) Core 39
- 2) Performance Studies 30
  All Performance majors will take 2 credits of Performance Studies the first semester, freshman year and perform a 4 credit jury prior to enrolling in 4 credit Performance Studies second semester. MC 400 Level Studies: 8 credits minimum.

C. Additional upper division curses Total Credits....15-21
- Keyboard Harmony & Basic Improve MU 313-314 4
- Counterpoint MU 423, 424 6
- Advanced Form & Analysis MU 410 2
- *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 8-16

Total 128

3. Theory-Composition Emphasis Minimum Requirements:

A. General University & Basic Core Requirements for bachelor of music Degree 32

B. Music Requirements:
- 1) Core 39
- 2) Lower division Performance Studies 16
  - Performance Major Studies 8
  - Performance Minor Studies (Piano, unless major instrument is Keyboard) 8
- 3) Upper division courses 30
  - MC 300 Level Performance Major Studies 4
  - Keyboard Harmony & Basic Improve MU 313-314 4
  - Band Arranging MU 455 2
  - Counterpoint MU 423, 424 6
  - Advanced Form & Analysis MU 410 2
  - Choral & Instrum Conducting MU 365, 366 2
  - Music Composition MA 410 8
  - Senior Composition Recital MA 447 or Music Seminar MU 498 2

C. Elective Credits 13-16

Total 128

4. Music Education Emphasis Minimum Requirements:

A. General University & Basic Core Requirements for bachelor of music Degree 32

B. Music Requirements:
- 1) Core 38
- 2) Major Instrument Performance Studies 14
  MC 300 Level or above: 4 cr minimum
- 3) 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) 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) College of Education Requirements 26-32
  - General Psychology P 101 (Area II) 3
  - Foundations of Education TE 201 (Area II) 3
  - Educational Psychology TE 225 3
  - Educ Except Secondary Student TE 333 1
  - Reading in Content Subjects TE 407 3
  - Secondary School Methods TE 381 3
  - Secondary Student Teaching 10-16

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 K-12. Specific details are available from the music department.

Total 129

BACHELOR OF ARTS PROGRAM

General Music Major Option

1. General University and Basic Core Requirements for the bachelor of arts degree.
2. Minimum Music Requirements: 46
   - Concert Class MA 010 (8 semesters of Pass) 0
   - Performance Studies MC — 8
   - Major Ensemble ME—(4 semesters minimum) 4
   - Materials of Music I-IV MU 119, 120, 219, 220 12
   - Ear Training I-IV MU 121, 122, 221, 222 4
   - Survey of Western Art Music MU 143 3
   - Music History & Literature II and I or III MU 352 and MU 351 or MU 353 6
   - Senior Recital* or Senior Project** 1
   - Performance Studies, 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 chair in the areas of Music Theory, Music History/Literature, or Music Education.

Music/Business Option

General University and Basic Core Requirements for the bachelor of arts degree to include the following:

1. Area II:
   - CM 111 Fundamentals of Speech Communication 3
2. Area III: At least one course in Mathematics selected from the following:
   - M 100 Mathematics for Liberal Arts Students, or 4
   - M 105,106 Math for Business Decisions 4-8

3. Minimum Music Requirements Total credits 45
   - MA 010 Concert Class (8 semesters of Pass) 0
   - MC Performance Studies 8
   - Major Ensemble ME (4 semesters minimum) 4
   - Materials of Music I-II MU 119-120 6
   - Ear Training I-II MU 121-122 2
   - Survey of Western Art Music MU 143 3
   - Music History & Lit II and I or III MU 352 and MU 351 or MU 353 6
   - *Senior Project 3
   - Music Electives (upper division) 13
4. Business courses (a maximum of 33 credits in Business courses 24-33
5. Required Courses:
   - Intro Financial Accounting AC 205 3
   - Intro Managerial Accounting AC 206 3
   - Intro to Business GB 101 3
   - Legal Environment of Business GB 202 3
   - Appl of Computer Information Systems IS 101 3
   - Management & Organizational Theory MG 301 3
   - Salesmanship MM 101 3
   - Principles of Promotion MM 203 3
6. Additional courses-electives (up to 9 credits may be chosen from the following):
   - Principles of Microeconomics EC 205 3
   - Principles of Macroeconomics EC 206 3
   - Intro to Management Information Systems IS 310 3
   - Principles of Marketing MK 301 3
   - Customer Behavior MK 307 3

*An Independent Study terminal project under faculty supervision with the approval of the music department chair.

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 Interm Guitar Class (MA 127, 128) or Private Lessons (MC courses*) in any Instrument or Voice	2-4
Music Electives-upper division	5
Total	20-22

*MC courses are extra fee courses

Graduate Degree: Master of Music, Music Education Emphasis or Performance/Pedagogy Emphasis. Details may be found in the *Graduate College Catalog.*

Recommended Programs

PERFORMANCE EMPHASIS MAJORS

FRESHMAN YEAR	1st SEM	2nd SEM
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 Western 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
Functional Piano MU 213	-	2
Basic Conducting MU 261	-	1
Area I Literature	3	-
Area I Elective	-	3
Electives	-	1
	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 351	-	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 Duo-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 and Guitar majors must include MU 457 Major Instrument Literature.
#Not required of Piano, Voice or Guitar majors.

THEORY COMPOSITION MAJORS

FRESHMAN YEAR	1st SEM	2nd SEM
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 Western 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
	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	-
Instrum Conducting MU 366	-	1
**Keybd 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 Har 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

	1st SEM	2nd SEM
FRESHMAN YEAR		
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 Western 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 TE 225	-	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 8 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 hours. See the Education listing for more information.

Course Offerings

See page 4 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 BEGINNING PIANO CLASS (0-1-1)(F/S). This course is intended for students who have had little or no previous instruction in piano playing. May be taken a maximum of two times for credit.

MA 153 INTERMEDIATE PIANO CLASS I (0-1-1)(F/S). Class instruction in level one intermediate piano. PREREQ: MA 150 or equivalent or PERM/INST.

MA 154 INTERMEDIATE PIANO CLASS II (0-1-1)(F/S). Class Instruction in level two intermediate piano. PREREQ: MA 150 or MA 153 or equivalent or PERM/INST.

MA 180 BEGINNING VOICE CLASS (0-1-1)(F/S). This course is intended for students who have had little or no previous instruction in singing. May be taken for a maximum of two times for credit.

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.

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

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

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

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

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES

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

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

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

Private Lesson Performance Studies Course Numbering System:
The three-digit course number carries the following information: first digit (1—, 2—, etc.) = performance level; second digit = instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments, -7-harp); third digit (—1, —2, —4) = credit value. Four-credit studies are reserved for bachelor of music program performance emphasis majors. Non-performance majors may enroll for 4 credits only with permission of the instructor and the department chair. 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.
MC 172, 174, 272, 274, 372, 374, 472, 474 HARP 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.

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 MEISTERSINGER (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 112, 312 WOMEN'S CHORUS (0-3-1)(F/S). Designed for female singers who are interested in performing a wide repertoire of music composed for a women's chorus. Enrollment is open to all university women students. Public performance(s) will be expected each semester.

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, 321-321G 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 with the approval of the director. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the band and/or its organization.

ME 125, 325 BRASS ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge for small brass ensembles. A public performance is required each semester. 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. PREREQ: PERM/INST.

ME 141, 341 KEYBOARD PERCUSSION ENSEMBLE (0-2-1)(F/S). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble

techniques, musical style and interpretation and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble.

ME 150, 350-350G ORCHESTRA (0-5-1)(F/S). The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for non-music majors. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the orchestra and/or its organization. Audition is required for new students.

ME 160, 360 STRING ENSEMBLE (0-2-1)(F/S). A course designed to promote playing in and increasing repertoire knowledge for small string ensembles. A public performance is required each semester. 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: C grade or better in MU 103 or equivalent or satisfactory score on placement test and piano proficiency.

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 least two approved live concerts/recitals is required.

MU 143 SURVEY OF WESTERN ART MUSIC (3-0-3)(F)(AREA I CORE). A preliminary course designed to acquaint the student with music history (from the Middle Ages to the present), literature, materials, library and listening skills and writing about music. Though open to all students with a serious interest in music, the course presupposes the student has a basic background in music. The course is writing-intensive, with research, journal and essay assignments.

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 form 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 201 or equivalent.

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

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

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

MU 401 MUSIC THEORY REVIEW (2-0-1)(F/S). The course is a review of undergraduate music theory materials and is designed for graduate students planning to take the Predictive exam in Music Theory. Meets the first 8 weeks of the semester only. PREREQ: Baccalaureate Degree.

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, analysis of procedures in representative works. Additional compositions and/or research for graduate credit. PREREQ: MU 220 or equivalent. Even numbered years.

MU 455 BAND ARRANGING (2-0-2)(F). Required of majors in music education and in theory and composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. PREREQ: MU 220.

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

MU 463 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) I (2-0-2)(F). A survey and comparative study of pedagogical materials, 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 465-465G DICTION FOR SINGERS I (2-0-2)(F). A course designed for singers, devoted to the understanding of the IPA (International Phonetic Alphabet) system and the learning of the rules of pronunciation in Italian, Latin and Spanish languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Odd-numbered years. PREREQ: 1 year of private studio voice.

MU 466-466G DICTION FOR SINGERS II (2-0-2)(S). A continuation of MU 465 Diction for Singers I, with emphasis on German, French and English languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Even-numbered years. PREREQ: MU 465 or PERM/INST.

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

Department of Nursing

Science/Nursing Building, Room. 107
Telephone (208) 385-3907

Associate Dean/Chair and Associate Professor: Dr. Anne Payne; *Associate Degree Faculty: Associate Professor:* Fountain; *Assistant Professors:* Adams, Leahy, Lorenz, Pomerance, Springer; *Instructors:* Glennon, Soran; *Special Lecturers:* Allerton, Carey, Downey. *Bachelor of Science Faculty: Associate Professors:* Brudenell, Farnsworth, Murray, Taylor, Payne; *Assistant Professors:* Brown, Callaghan, Draney, Gehrke, Kurtz, Otterness, Springer, Straub. *Instructors:* Satterwhite, Stephen; *Special Lecturer:* Dawson.

Degrees Offered

- A.S., Nursing
- B.S., Nursing

Department Statement

The department of nursing is one of five departments in the College of Health Science. The department offers bachelor of science and associate of science programs in nursing. Both programs are approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

The four-year bachelor of science program prepares the graduate to take the NCLEX-RN Exams to practice as a professional nurse. It also offers an Advanced Placement Option for Registered Nurses who wish to pursue a bachelor of science degree with a major in nursing.

The associate of science program in nursing leads to an associate degree and eligibility to take the NCLEX-RN Exam. Licensed Practical Nurses (LPNs) seeking to become Registered Nurses may apply for advanced placement in the associate of science program.

Special Lab Fees
Students who are admitted to either the associate or bachelor of science programs will pay an additional laboratory fee at the time of enrollment for some clinical courses. See semester course schedule for specific courses and amounts.

This fee is used for purchasing such things as liability insurance, expendable laboratory equipment and supplies, name tags and patches, handbooks, standardized achievement tests, professional pamphlets, additional copies of high-use audiovisual and/or CAI programs and replacement practice models.

The fee may vary from course to course and some courses may not require a fee. Elective courses may include a fee that provides travel and per diem support for faculty teaching the course.

Bachelor of Science Degree

Description: This program offers two options for students pursuing the bachelor of science degree in nursing. One option is for students who are seeking to become Rns and the second option is advanced placement for Rns with a diploma or associate of science degree. Both options are designed to prepare professional nurses to provide nursing care to 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 take the NCLEX-RN Exam.

Admission Requirements and Application Process for Non-Licensed Students Seeking the Bachelor Degree

Deadline for application to the Fall class is on or before March 1.
It is strongly recommended that pre-nursing students contact a nursing faculty advisor, 385-3790.

1. Admission to Boise State University.
2. Completion of the following:
   A. Specific courses - all of the following:
      * College Chemistry C 107-108 or equivalent
      * English Composition E 101 or equivalent
      * Human Anatomy & Physiology Z 111 or equivalent
   B. At least one of the following prior to applying:
      * General Psychology P 101
      * Mathematics M 105, 108 or above
      * Medical Terminology H 101
   C. Successfully completed al the remaining "First Year" courses, as listed in the BSU catalog, by June 1, with at least a "C" grade.
3. Minimum grade of "C" and a GPA of 2.50 or above for the courses listed in number two (2) above. A 2.50 GPA is a minimum requirement and **does not** guarantee admission.
4. Selection for Fall admission is base on completion of the starred (*) courses along with the stipulation that to maintain admission status the student must successfully complete all of the remaining courses as listed in the first year of the bachelor of science program curriculum by June 1.

Admission Process:
1. Submit to the department of nursing the **completed** bachelor of science "Application for Admission" form on or before March 1.
2. The Admission Committee will review all completed applications. Qualified applicants will be processed according the following criteria:
   Category I
   Up to 25% of the available positions are reserved for qualified academic excellence applicants (GPA 4.0 to 3.3 will rank ordered for selection process).
   Category II
   Up to 25% of the available positions are reserved for qualified culturally diverse applicants*. (GPA's will rank ordered for section process.
   Category III
   Fifty percent drawn randomly from qualified applicants including any remaining candidates from Category I and/or II. any unfilled positions from Categories I and II will be filled form this pool of applicants.

*Boise State University is strongly committed to achieving excellence through cultural diversity. The nursing program actively encourages applications of: Native Alaskans, Afro-Americans, Hispanic/Latino Americans, Native Americans and Pacific Islander/Asian students.

*Degree Requirements for Students Seeking to Become Rns

NURSING
BACHELOR OF SCIENCE

	1st SEM	2nd SEM
FIRST YEAR		
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	-
Mathematics M 105 or above	-	4
Human Anatomy & Physiology 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, CS 109 or IS 101	-	3

Introduction to Professional Nursing NU 204	2	-
Health Assessment NU 208	2	-
Health Assessment Lab NU 209	1	-
Nursing & Health Promotion NU 210	-	3
Nursing & Health Promotion Lab NU 211	-	3
	16	18

THIRD YEAR

Nursing of the Childbearing Family NU 312	2 or	2
Nursing of the Childbearing Family Lab NU 313	2 or	2
Mental Health/Illness Nursing NU 316	2 or	2
Mental Health/Illness Nursing Lab NU 317	2 or	2
Chronic & Rehabilitative Nursing NU 314	4	-
Chronic & Rehabilitative Nursing Lab NU 315	3	-
Acute Care Nursing NU 318	-	4
Acute Care Nursing Lab NU 319	-	3
Any Statistics Course	3-4	-
Introduction to Nursing Research NU 392	-	3
Elective (Area I Core)	-	3
Elective (Area II Core)	3	-
	17-18	17

FOURTH YEAR

Community Health Nursing NU 418	3 or	3
Community Health Nursing Lab NU 419	3 or	3
Elective (Area II Core)	3 or	3
Elective (Area I Core)	3 or	3
Professional Issues NU 434	3 or	3
Nursing Elective	2	2
Nursing Leadership NU 438	-	3
Nursing Leadership Lab NU 439	6	-
	14	14

Total Credit Hours: 129-130

NOTE: Each year's course sequence must be completed prior to beginning the next year's courses.

Option for RN Licensed Students Seeking Baccalaureate Degree

The advanced placement option provides an opportunity for Rns to individualize educational plans to complete a Baccalaureate Degree with a major in Nursing. RN applicants are to contact the bachelor of science Program Office for academic advisement, advanced placement examination and detailed information on placement.

Admission Requirements for Advanced Placement Option for Rns

Rns must successfully complete with a "C" or better, the following before entering advanced placement in senior nursing courses:

Changing Professional Roles in Nursing NU 300	2
Any College Statistic Course (Prereq. to Nursing Research)	3-4
Nursing Research NU 392	3
*NLN Mobility Tests	3
Pathophysiology H 300	4
Pharmacotherapeutics H 306	3
Any College Computer Course	3

To enroll in these courses, Rns must be admitted to the university.

* Rns who do not successfully complete one or more Mobility Tests will be required to take the equivalent nursing course prior to placement in senior nursing courses.

Degree Requirements for Advanced Placement Option for Rns

University Core Requirements: Rns with associate degrees, or graduates from diploma schools may transfer or select courses which complete the Boise State University core requirements as listed in the Boise State University Catalog:

English Composition E 101-102	3 or 6
Area I (Arts and Humanities)	12
Area II (Social Sciences)	12
Area III (Natural Sciences)	12
Additional credits in Area II or Area III	9

Support Courses:
Pathophysiology H 300; Pharmacotherapeutics H 306; Computer Course; Statistics Course

Courses Given Credit by Exam: Upon completion of NLN Mobility II Exams, students will be awarded 36 credits equivalent to the following courses:

Medical Terminology H 101; Introduction to Professional Nursing NU 204; Health Assessment NU 208-209; Nursing and Health Promotion NU 210-211; Chronic and Rehabilitative Nursing NU 314-315; Acute Care Nursing NU 318-319; Nursing Care of the Childbearing Family NU 312-313; Mental Health/Illness Nursing NU 316-317.

Junior Nursing Courses:

Changing Professional Roles in Nursing NU 300	2
Nursing Research NU 392	3

Senior Nursing Courses:

Community Health Nursing NU 418-419	6
Nursing Leadership NU 438-439	6
Professional Issues NU 434	3
Nursing Electives or Independent Study	4

(Electives may be completed prior to the senior year if desired.)

Total Credit Hours for the Baccalaureate Degree **128**

RN's who qualify for Advance Placement must:

1. Have a current Idaho Nursing license for Registered Nurses.
2. Have completed all support courses and junior nursing courses and successfully completed the NLN Mobility II exams or equivalent courses.
3. Submit to the department of nursing the **completed Advanced placement** application by March 1 of the year of planned senior course enrollment.
4. Advanced placement students will be chosen from qualified applicants using a random selection process.

Course Offerings

See page 4 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. (Pass/Fail).

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 patterns and health promotion needs. COREQ: NU 210. (Pass/Fail).

Upper Division

NU 300 CHANGING PROFESSIONAL ROLES IN NURSING (2-0-2)(F/S). Overview of concepts related to professional nursing. Focuses on the relationship of values, ethics, critical thinking and communication processes in the roles of the professional nurse. PREREQ: Must be a Registered Nurse.

NU 312 NURSING CARE OF THE CHILDBEARING FAMILY (2-0-2)(F/S). Focus is on exploration of nursing and psychosocial theories and concepts relevant to the nursing care of the individual and family during the childbearing cycle. PREREQ: NU 210. COREQ: NU 313.

NU 313 NURSING CARE OF THE CHILDBEARING FAMILY LAB (0-6-2)(F/S). Application of theory and concepts from NU 312 in providing nursing care for the childbearing family. COREQ: NU 312. (Pass/Fail).

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. (Pass/Fail).

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. (Pass/Fail).

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. (Pass/Fail).

NU 392 INTRODUCTION TO NURSING RESEARCH (3-0-3)(S/U). 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: a college statistics course.

NU 418 COMMUNITY HEALTH NURSING (3-0-3)(F/S). 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 formulation. PREREQ: NU 312, 316, 318, 392. COREQ: NU 419.

NU 419 COMMUNITY HEALTH NURSING LAB (0-9-3)(F/S). Application of community health nursing concepts to individuals, families, groups and communities. PREREQ: Nu 313, 317, 319. COREQ: NU 418.

NU 434 PROFESSIONAL ISSUES IN NURSING (3-0-3)(F/S). An analysis of contemporary professional nursing and its reciprocal interaction with current, social, political and economic issues. COREQ: NU 438.

NU 438 NURSING LEADERSHIP (3-0-3)(F/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 312, 316, 318, 392. COREQ: NU 434, 439.

NU 439 NURSING LEADERSHIP LAB (0-9-3)(F/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 313, 317, 319. COREQ: NU 434, 438.

NU 450 INTENSIVE CLINICAL NURSING ELECTIVE (0-12-4)(SU). Management of multiple patients with support of qualified preceptors in selective clinical sites. Content includes application of medical/surgical/psychosocial concepts in a nursing practice setting. PREREQ: Sophomore standing in an accredited associate program or Junior standing in an accredited baccalaureate program and the approval of the instructor. Pass/Fail.

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 460 APPLICATIONS OF LEGAL AND ETHICAL CONCEPTS TO CONTEMPORARY NURSING PRACTICE (2-0-2)(F/S). Course provides current legal and ethical concepts and their application to contemporary nursing practice in a variety of institutional and community settings. Course enrollment limited to Registered Nurses, or to students enrolled in nursing programs preparing to write the Registered Nurse Examination.

NU 462 CARING FOR DIVERSE HIV/AIDS CLIENTS. (2-0-2) (F/S). Course deals with multiple issues facing nursing professionals as they learn to deal with the challenges of caring for HIV/AIDS groups and investigate the gamut of issues faced by the clients. Experience with clients, social support systems, families and other groups/agencies involved in client care are scheduled. PREREQ: Sophomore standing (BS Program) Freshman standing (A.S. program), 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 WORK PLACE (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.

NU 478 NURSING AND POLITICS (3-0-3)(F/S). Explores the relationship between professional nursing and the policy process; concepts of power, politics and process as these impact nursing practice. PREREQ: Current enrollment as Senior nursing major or PERM/INST.

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 first year, there is an average weekly number of nine to twelve clinical practice hours and during the second 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 registered nurse (RN) practices primarily in formally organized health care agencies providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum includes courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Content is focused on the identified health needs of all individuals. A planned program of clinical practicum in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

Advisement: The associate of science degree may be completed in five semesters. However, students' needs and goals may indicate a three year approach to the program. Advisement, therefore, is essential and it is the student's responsibility to seek faculty assistance.

Admission Requirements

Applicants must have "Regular Admission Status" at Boise State University before admission to the associate of science nursing program. Applicants who have other than "Regular Admission Status" at Boise State University should refer to the Boise State University Catalog and/or contact the Nursing Advisement Center for directions on how to achieve "Regular Admission Status."

The faculty of the associate of science in nursing program review the qualifications of applicants and selects all students. The number of students that can be admitted to the program is limited. All college transcripts must be submitted to the nursing office in order to make applications complete.

The class is selected from qualified applicants. Students are selected based on a point system that gives points for GPA and number of required general education courses* completed. Further information regarding selection criteria can be obtained from the Nursing Advising Center, SN107A. 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.

2. In order to qualify for admission, the student must meet one of the following criteria:
   A. Completion of Z 111 (Human Anatomy and Physiology) and E 101 (English Composition) as application prerequisites. To be eligible for consideration, the applicant must have a GPA of 2.5 or above and a C or better in the above courses. Applicants who have completed more of the required general education courses* are evaluated on the GPA in all those courses.
   OR for the student applying within one year of graduation from high school:
   B. Completion of two (2) years of high school algebra or higher and three (3) years of laboratory sciences, including human anatomy and physiology. These courses must have been passed with a GPA of 3.5 or higher.
3. Transfer students from other associate degree nursing programs and Licensed Practical Nurses (LPNs) who wish to challenge nursing courses should contact the department for specific entrance requirements.
4. Completed applications are reviewed after March 1 and the class selected from qualified applicants by rank of GPA in all completed program courses. Those applicants selected will be notified in May.
5. A second review of all remaining applicants and completed applications received after May 1, occurs in July. Any vacancies that have occurred in the class will be filled from qualified applicants. These applicants will be selected by rank of GPA.

*E 101, 102, C 107, C 108, H 207, P 101, SO 101, Z 111, Z 112, B 205.

The faculty of Boise State University is committed to equal opportunity for all students and does not discriminate on the basis of sex, race, color, religion, national origin, handicap, or veteran status.

Registered Nurse licenses are granted by the Idaho Board of Nursing to graduates of approved educational programs who successfully complete the National Council Licensure Examination.

"The Board of Nursing shall have the power to deny any application for license...upon determination that the person:
• — Made or caused to be made, a false, fraudulent, or forged statement in attempting to procure a license to practice nursing; or
• — Is convicted of a felony or any offense involving moral turpitude; or
• — Habitually uses alcoholic beverages or narcotic, hypnotic, or hallucinogenic drugs; or
• — Otherwise engages in conduct of character likely to deceive, defraud, or endanger patients or the public."**
**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. A.S. program applications are available in the Science-Nursing Building, Room 107.
2. Submit an official high school transcript or GED test score 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 July of each academic year:

1. The completed Physical Examination form provided by the department of nursing.
2. Documentation of a negative PPD or a chest X-ray.
3. Documented positive Rubella and Rubeola titres.
4. Documentation of completion of a Cardiopulmonary Resuscitation course (including infant CPR).
5. Lab fee payable during registration(nonrefundable after class begins).

Degree Requirements

NURSING
ASSOCIATE OF SCIENCE

APPLICATION PREREQUISITES:

English Composition E 101	3
Human Anatomy & Physiology Z 111	4
Total	7

FIRST YEAR IN NURSING PROGRAM	1st SEM	2nd SEM
*Essentials of Chemistry C 107-108	4	-
*Nutrition H 207	-	3
*Human Anatomy & Physiology Z 112	-	4
*General Psychology P 101	3	-
Fundamentals of Nursing I & II NA 100-102	6	7
	13	14
SECOND YEAR IN NURSING PROGRAM		
Microbiology B 205	4	-
English Composition E 102	3	-
Introduction to Sociology SO 101	-	3
Elective (strongly recommend AREA I or II)	-	3
Nursing Intervention I & II NA 200-202	9	10
	16	16

*Prerequisite or Corequisite to First Year Nursing Courses.

Course Offerings

See page 4 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 A.S. 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)(F,S). Designed to assist the student in transition from one role in nursing to another. Content focuses upon basic nursing roles and issues and challenge examinations for advanced placement. PREREQ: PERM/INST, passing score on National League for Nursing Mobility Exam I. (Pass/Fail).

NA 200 NURSING INTERVENTION I (4-15-9)(F). Develop concepts presented in first year courses. Focuses on coping with changes in biopsycholocial health status of individuals and families from pre-natal through late adulthood. Students learn by using the nursing process to provide care for patients with complex health problems. PREREQ: NA 102, Completion of Intravenous Certification Class (Advanced Placement Students only), 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.

Department of Philosophy

Library, Room 206
Telephone (208) 385-3304

Chair and Professor: Alan Brinton; *Professor:* Schoedinger; *Associate Professor:* Harbison. *Special Lecturer:* DiPietro

Degrees Offered

- B.A. in Philosophy

Department Statement

Philosophy involves a reasoned attempt to answer questions which arise from reflection on basic concepts and assumptions about the world and our experience of it. Some of these questions are of obvious practical importance, for example "How should moral decisions be made?" Others are more abstract, for example "What is the nature of knowledge (or reality, or goodness)?" Serious philosophical inquiry into such questions is typically grounded in careful study of the efforts of earlier thinkers; thus, an important aspect of the major is the study of the history of philosophy.

The undergraduate major in philosophy does not in itself prepare the student for a specific vocation. For students who aspire to academic careers in philosophy, the major provides the basis for graduate work in the field. For other students, it develops intellectual skills useful in life and in other fields of advanced study such as law, religion and public affairs.

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 University, consist of 30 hours of philosophy credit, 21 of which are specifically required courses and 9 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 211 Ethics
3. PY 221 Introduction to Logic
4. PY 305 Ancient Philosophy
5. PY 309 Modern Philosophy
6. PY 413 Analytic Philosophy
7. PY 433 Metaphysics or PY 432 Epistemology

PHILOSOPHY MINOR

Intro Philosophy PY 101	3
Ethics PY 211	3
Intro Logic PY 221	3
Philosophy Electives (NOT PY 489)	9
Total	18

Course Offerings

See page 4 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 201 ORIENTAL PHILOSOPHY (3-0-3)(S). An examination of the philosophical teachings of the great oriental thinkers through a study of classical texts selected from the traditions of Hinduism, Confucianism, Taoism and Buddhism. Alternate years.

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 221 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 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 304 SYMBOLIC LOGIC (3-0-3)(S). A study of techniques of validation in propositional logic and predicate logic, with emphasis on the construction of formal proofs. Some attention will be given to metalogical notions such as consistency and completeness. PREREQ: PY 221. Alternate years.

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 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 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 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 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 413 ANALYTIC PHILOSOPHY (3-0-3)(S). A critical examination of the development of the analytic method in Anglo-American philosophy with attention to such selected figures as Frege, Russell, Moore, Wittgenstein and Austin. PREREQ: PY 101 and PY 221. Alternate years.

PY 433 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. Alternate years.

PY 435 EPISTEMOLOGY (3-0-3)(F). 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 441 PART I WESTERN POLITICAL THEORY (3-0-3)(F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

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

PY 489 SENIOR TUTORIAL (3-0-3)(F). Directed research culminating in the writing of a Senior Essay to be approved by the members of the philosophy faculty. PREREQ: Senior standing in philosophy major and approval by the department chair of a Tutorial Project Proposal by April 1 of the semester preceding the semester when the Tutorial is taken.

Department of Physics

Science-Nursing Building, Room. 318
Telephone (208) 385-3775

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

Degrees Offered

B.S. in Physics
B.S. 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 their 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 B.S. degree Requirements 30
2. Major Requirements 98
   - A. Physics 56
     - Mechanics, Waves and Heat & Lab PH 211-212 5
     - Electricity, Magnetism & Optics & Lab PH 213-214.....5
     - Intermediate Programming PH 225 2
     - Analog Electronics PH 301 4
     - Transducers PH 304 3
     - Intro Modern Physics & Lab PH 309-310 4
     - 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 Systems & Sig Process CS 426 4
   - C. Chemistry C 131, 132-133, 134 9
   - D. Recommended Electives 13

Secondary Option

1. General University Requirements 30
2. Major Requirements 78
   - A. Physics 34
     - Mechanics, Waves and Heat Lecture & Lab PH 211-212 5
     - Electricity, Magnetism & Optics Lecture & Lab PH 213-214 5
     - Intro to Descriptive Astronomy PH 105 4
     - Intro Modern Physics PH 309 3
     - Intro Modern Physics Lab PH 310 1
     - Modern Physics PH 311, 312 6
     - Optics PH 332, 333 6
     - Optics Lab PH 334 1
     - Senior Lab PH 481 3
   - B. Programming 2-3
     - Computer Programming Course, such as EN 104 or CS 125
   - 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 230 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: Classroom Observation TE 172 1
   - Foundations of Education TE 201 3
   - Educat Except Secondary Student TE 333 1
   - Educational Technology TE 356 2
   - Educational Psychology TE 225 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 Lecture & Lab PH 211, 212 5
- Electricity, Magnetism & Optics Lecture & Lab PH 213, 214 5
- *Intro Modern Physics & Lab PH 309-310 4
- *Modern Physics PH 311, 312 6
- One of the following 3-4
  - *Analog Electronics Lab PH 301 4
  - *Optics PH 332-333-334 7
  - *Mechanics PH 341 4
  - *Electricity & Magnetism PH 381 3
  - *Advanced Topics PH 422 3
  - *Thermal Physics PH 432 3

*Math or other prerequisite.

Total 23-24

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
Mechanics, Waves and Heat Lecture & Lab PH 211, 212	-	5
Electives	2-3	-
Area I or II Requirements	3	-
Total	17-18	17
SOPHOMORE YEAR		
Electricity, Magnetism and Optics PH 213	4	-
Electricity, Magnetism Lab PH 214	1	-
Intro Modern Physics PH 309-310	-	4
Electives	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	16

JUNIOR YEAR

Modern Physics PH 311-312	3	3
Electronics Lab PH 301	4	-
Transducers PH 304	-	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	17

SENIOR YEAR

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

Course Offerings

See page 4 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

See the *Graduate College Catalog* for course descriptions.

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/S)(AREA III). Kinematics, dynamics of particles, statics, momentum, rotational motion, gravitation, introductory wave motion, heat and thermodynamics. PREREQ: M 204. COREQ: PH 212, M 205.

PH 212 MECHANICS, WAVES AND HEAT LAB (0-3-1)(F/S)(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)(F/S)(AREA III). Coulombs law, fields, potential, magnetism, inducted emf, simple circuits, geometrical optics, interference, diffraction and polarization. PREREQ: PH 211, M 205. COREQ: PH 214.

PH 214 ELECTRICITY, MAGNETISM AND OPTICS LAB (0-3-1)(F/S)(AREA III). Lab to be taken concurrently with PH 213. Basic experiments in electricity, magnetism and optics. COREQ: PH 213.

PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2)(S). Science and engineering computer application with emphasis on procedural and object-oriented programming including graphics. An extensive individual project is required. PREREQ: Computer programming experience. 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, thermcouples, thermistors, Hall Effect devices, strain gauges, piezoresistive elements. The IEEE-488 Bus and BUS Controller will be introduced and used throughout the course for data acquisition from the transducers. PREREQ: PH 225 & PH 301.

PH 309 INTRODUCTORY MODERN PHYSICS (3-0-3)(S). An introduction including wave motion with resonances, the Maxwell distribution, the special theory of relativity, plus atomic, molecular, solid state, nuclear and elementary particle physics. PREREQ: PH 213, M 206. COREQ: PH 310.

PH 310 INTRODUCTORY MODERN PHYSICS LAB (0-3-1)(S). Lab to be taken concurrently with PH 310. Experiments with resonances and basic modern physics including some computer simulations. PREREQ: PH 213, M 206. COREQ: PH 309.

PH 311-312 MODERN PHYSICS (3-0-3)(F/S). Basic ideas and statistical methods of elementary quantum mechanics with applications to atomic, molecular, solid state, nuclear and elementary particle physics. PREREQ: M 331 and either PH 309 or PERM/INST.

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 331. 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. 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 Political Science

Public Affairs & Arts West Bldg., Rm 127
Telephone (208) 385-1458

Chair and Professor: Dr. Gregory A. Raymond; *Professors:* Donoghue, Kinney, Moncrief, Overgaard, Skillern; *Associate Professors:* Freemuth, Sallie, Weatherby; *Assistant Professors:* Alm, Patton, Witt.

Degrees Offered

- B.A. and B.S. in Political Science (with emphasis areas in American Governmental Systems and Processes; International Relations; Political Philosophy and Public Law; and Public Administration.)
- B.A. and B.S. in Political Science, Social Science, Secondary Education
- Master of Public Administration: see *Graduate College Catalog* 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 are prepared for further study at the graduate level, or for a variety of careers. Many of our students become teachers or lawyers. Others work for large corporations as public affairs officers, or for federal, state, or local governments in numerous capacities. Some become reporters, lobbyists, or campaign managers; some have been elected to public office.

Degree Requirements

POLITICAL SCIENCE MAJOR
Bachelor of Arts Degree
Bachelor of Science Degree

1. General University Requirements for Baccalaureate Degree.
2. A total of 45 credits in political science, including 15 credits in each of the following:
   A. All political science majors, regardless of chosen area of emphasis, must complete the following courses:
      American National Government PO 101 3
      Contemporary Political Ideologies PO 141 3
      International Relations PO 231 3
      Introduction to Political Inquiry PO 298 3
      Advanced Political Science Methods PO 398 3
      Subtotal 15
   B. Upper division political science electives 15
   C. 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
      Total Political Science Credits 45

The 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 & Local Government PO 102 3
American Political Parties & Interest Groups PO 301 3
Public Opinion and Voting Behavior PO 302 3
Urban Politics PO 308 3
American Chief Executive PO 309 3
Legislative Behavior PO 312 3
American Policy Process PO 320 3
American Political Theory PO 331 3
Environmental Politics PO 340 3
Constitutional Law PO 351 3
American Political Economy PO 381 3

International Relations Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

Comparative Foreign Policy PO 311 3
Introduction to Comparative Politics PO 321 3
Politics in Russia and Eastern Europe PO 324 3
Politics of Industrialized Nations PO 329 3
Canadian Politics PO 330 3
Comp Govt & Pol of Develop Nations PO 333 3
United States Foreign Policy PO 335 3
International Law and Organization PO 421 3
International Political Economy PO 429 3

Political Philosophy and Public Law Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

American Political Theory PO 331 3
Constitutional Law PO 351 3
International Law & Organization PO 421 3
Western Political Theory I PO 441 3
Western Political Theory II PO 442 3
Comparative Legal Systems PO 451 3
Administrative Law PO 467 3

Public Administration Emphasis: Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses:

State and Local Government PO 102 3
Intro to Public Administration PO 303 3
Urban Politics PO 308 3
American Chief Executive PO 309 3
Public Finance PO 310 3
American Policy Process PO 320 3
Administrative Law PO 467 3
Intergovernmental Relations PO 469 3
Organ Theory & Bureaucratic Structure PO 487 3

POLITICAL SCIENCE-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; sociology; and anthropology. 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 political science.
   LOWER DIVISION COURSES:
      American National Government PO 101 3
      State and Local Government PO 102 3
      Contemporary Political Ideologies PO 141 3
      International Relations PO 231 3
      Subtotal 12

UPPER DIVISION
One course from each of the 4 areas of emphasis 12
Upper division electives 6
Total 30

2. Must also complete a minimum of 15 credits in each of two of the above departments (other than political science) to satisfy graduation requirements. See the department listings for each of these departments for additional information. However, teacher certification requires additional course work in these two departments. See "Minor Certification Endorsements" in the Teacher Education section of this catalog.
3. Must complete six credits in U.S. History and three credits of American National Government for certification requirements.
4. Total General University and Major Requirements 128

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the Teacher Education listing for more information.

POLITICAL SCIENCE-SOCIAL SCIENCE EDUCATION MINOR 15 HOUR OPTION

American National Government PO 101 3
Contemporary Political Ideologies PO 141 3
International Relations PO 231 3
Two upper division political science elective courses 6
Total 15

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 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 101 3
State & Local Government PO 102 3
Contemporary Political Ideologies PO 141 3
International Relations PO 231 3
Intro to 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 Justice 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
Introduction to Comparative Politics PO 321 3
Politics in Russia and Eastern Europe PO 324 3
Politics of Industrialized Nations PO 329 3
Canadian Politics PO 330 3
American Political Theory PO 331 3
Comp Govt & Pol of Develop Nations PO 333 3
United States Foreign Policy PO 335 3
Environmental Politics PO 340 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
Administrative Law PO 467 3
Intergovernmental Relations PO 469 3
Organizational Theory & Bureau Structures PO 487 3
Internship PO 493 3

Course Offerings

See page 4 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 subnatural 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 the causes of war and efforts to promote peace. Study of national sovereignty and its relation to international cooperation.

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 students cannot receive credit for both PO 310 and EC 310). PREREQ: EC 205, 206.

PO 311 COMPARATIVE FOREIGN POLICY (3-0-3)(F). Examination of foreign policies and objectives of world's major powers; analysis of contemporary international problems; consideration of theories of international politics. PREREQ: PO 101 or 231 or PERM/INST.

PO 312 LEGISLATIVE BEHAVIOR (3-0-3)(S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations and other factors on legislators; role of the legislature in American political system.

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 POLITICS IN RUSSIA AND EASTERN EUROPE (3-0-3)(S). A comparative analysis of the political systems of the former Soviet republics and Eastern Europe, with primary emphasis on Russia. Special attention will be given to the collapse of communism, the problem of democratization and the transition from state to socialism to a market economy. PREREQ: PO 101 or PO 231. 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 330 CANADIAN POLITICS (3-0-3)(F). An analysis of the Canadian political system, with emphasis on political culture, governmental institutions and processes, and selected public policy issues. PREREQ: PO 101 or PERM/INST. Alternate years.

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

PO 333 COMPARATIVE GOVERNMENTS AND POLITICS OF DEVELOPING NATIONS (3-0-3)(F/S). Political systems of selected nations in developing areas of the world, including nation-states in Africa, Asia and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. PREREQ: PO 101 or PO 231. 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 340 ENVIRONMENTAL POLITICS (3-0-3)(F/S). This course explores the political context of natural resource and environmental issues and examines how various aspects of the political process influence natural resource and environmental policy outcomes. PREREQ: PO 101 or PERM/INST.

PO 351 CONSTITUTIONAL LAW (3-0-3)(F/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. PREREQ: PO 298 or PERM/INST.

PO 421 INTERNATIONAL LAW AND ORGANIZATION (3-0-3)(F). Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practice 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, 231 or PERM/INST. Alternate years.

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

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

PO 451 COMPARATIVE LEGAL SYSTEMS (3-0-3)(S). Principal legal systems of the world, with emphasis on ideational foundations, organization, procedures, methods of growth, relationship to political and economic systems and basic juristic concepts. PREREQ: PO 101, 141. Alternate years.

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. 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. PREREQ: PO 101, 102, 303.

PO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3) F/S). Sociopolitical analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory.

PO 493 INTERNSHIP (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program and application for it should be made in early October. PREREQ: Cumulative GPA of 2.50 or higher.

Department of Psychology

Education Building, Room 629
Telephone (208) 385-1207

Chair and Professor: Mark Snow; *Professors:* Anooshian, Chastain, Dodson; *Assistant Professors:* Hoyt, Jurden, Landrum, Seibert.

Degrees Offered

- B.A. and B.S. in Psychology

Special Information for Students

1. The College of Social Sciences and Public Affairs, through its department of psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology; but some latitude is allowed within the framework set by those requirements. The student should be aware 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 preparation for professional work in psychology. 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 for the Minor Certification Endorsement.
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

Upper Division Admission

All psychology majors must petition for upper division standing in the major. The evaluation of these petitions, as completed by the Psychology Major Selection Committee, serves to inform students of the likelihood of successful completion of upper division requirements for the psychology major.

Psychology majors who have not been admitted to upper division standing in the major will not be allowed to enroll in upper division psychology courses; majors without upper division standing will be administratively withdrawn from upper division courses. Students with majors other than psychology (e.g., Social Work, Social Science) can enroll in upper division courses as long as they have fulfilled other stated prerequisites. However, students who have not been admitted to upper division standing by the Psychology Major Selection Committee will be denied a B.A./B.S. degree with a major in psychology. To petition for upper division standing, psychology majors must submit a completed petition form and a current transcript to the Psychology Major Selection Committee. These materials must be received by the Psychology Major Selection Committee prior to the preregistration period for the semester for which the student is seeking upper division standing. Specific deadline dates will be posted in E-629. Minimum requirements for upper division standing in psychology include the following:

1. Admission to Boise State University.
2. Successful completion of the following courses with a grade of 'C' or higher:
   A. E 101 and E 102 English Composition.
   B. B 100 Concepts of Biology.
   C. Z 107 Concepts of Human Anatomy & Physiology
      or
      Z 111 Human Anatomy & Physiology.
   D. One Core course in Mathematics (Area III) or 8 credits in mathematics (if not Area III Core courses).
   E. P 101 General Psychology.
   F. P 225 Physiological Psychology.
   G. P 295 Statistical Methods.
3. Completion of at least 58 credit hours (including courses in progress at time of application).
4. Cumulative GPA of at least 2.50.

PSYCHOLOGY MAJOR
Bachelor of Arts or Bachelor of Science Degree

1. Lower division:
   A. English Composition 3-6
   B. Area I Core Arts and Humanities Total Credits 12
      Literature 3
      Second Area I Field 3
      Third Area I Field 3
      Any Area I Field 3
   C. Social Sciences Total Credits 22
      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
      Statistical Methods P 295 3
      Computer Applications in Social Science SO 210 4
   D. Natural Science-Math Total 16
      Area III Core courses 12*
      Concepts of Biology B 100 4
      Area III - Second Field 4
      Area III - Any Field 4
      Non-core courses 4
      Concepts of Human Anatomy & Physiology Z 107 or
      *Human Anatomy & Physiology Z 111 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. Z 111, if selected, can also be applied toward the Area III Core requirement.

2. Upper division
   A. Psychology Total Credits 25
      Experimental Design P 321 4
      Learning P 441 3
      Systems Seminar P 489 3
      P 405, P 421, or P 498 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
         Psychology elective 3
   B. Upper division Elective Credits 15
3. Free Elective Credits 32-35

PSYCHOLOGY MINOR

General Psychology P 101	3
Statistical Methods P 295	3
Perception P 341, The Psychology of Thought P 343, or The Psychology of Language P 345	3
Two of the following courses: Abnormal Psychology, Life-span Development I P 309, Life-span Development II P 310, Personality P 351, Social Psychology P 431	6
Upper division Psychology electives	6
Total	21

PSYCHOLOGY REQUIREMENTS FOR CERTIFICATION BY STATE DEPARTMENT OF EDUCATION

Minor Certification Endorsement by State Department of Education

General Psychology P 101	3
Statistical Methods P 295	3
Abnormal Psychology P 301	3
Personality P 351	3
Psychology upper division electives	9
Total	21

Social Science, Secondary Education Option Major

General Psychology P 101	3
Abnormal Psychology P 301	3
Personality P 351	3
Psychology upper division electives	6
Total	15

Recommended Program

PSYCHOLOGY MAJOR

	1st SEM	2nd SEM
FRESHMAN YEAR		
*English Composition E 101-102	3	3
*-**Concepts of Biology B 100	4	-
*Concepts of Human Anatomy & Physiol Z 107	-	4
*-**History (e.g. HY 101 or 102)	3	-
*-**General Psychology P 101	3	-
**Area I Core Electives	3	3
**Mathematics Electives	-	4
**Area II Core Elective (e.g., AN 102, SO 101)	-	3
	16	17
SOPHOMORE YEAR		
**Literature	3	-
**Mathematics Elective	4	-
*Physiological Psychology P 225	3	-
*Statistical Methods P 295	-	3
**Area II Core Electives (e.g., AN 102, SO 101)	3	3
**Area I Core Elective	-	3
****General Electives	3	6
	16	15
JUNIOR YEAR		
*Computer Applications in Social Sciences SO 210	-	4
*Experimental Design P 321	4	-
Psychology Seminar P 398	-	3
*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 Psychology Elective	3	-
*Upper division Electives (Psych. or other)	3	3
	16	16
SENIOR YEAR		
***Two courses from P 405, P 421, P 498	3	3
*Systems Seminar P 489	-	3
*Upper Division Electives (Psych. or other)	3	3
****General Electives	10	6
	16	15

*Specifically required
**Courses approved for the Core
***One course is specifically required. A minimum of two courses is 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 4 for definition of course numbering system.

P PSYCHOLOGY

Lower Division

P 101 GENERAL PSYCHOLOGY (3-0-3)(F,S)(Area II). An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions and behavioral problems. An overview of scientific methodology is provided.

P 125 BRAIN, MIND AND BEHAVIOR (1-0-1)(Demand). An educational television series with accompanying textbook, the eight one-hour programs focus on the mysteries of consciousness, vision and movement, pain, 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. (Pass/Fail).

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. Credit cannot be obtained for both P 211 and P 309. 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. Credit cannot be obtained for both P 212 and P 310. 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 or Z 111.

P 251 PSYCHOLOGY OF ADJUSTMENT (3-0-3)(S). Theory, research and techniques related to psychological adjustment and health are examined. Cognitive, emotional, behavioral and environmental factors are studied as they relate to issues of self-concept, self-control and relationships with others. Students are encouraged to apply problem-solving strategies and cognitive/behavioral self-control techniques in the pursuit of their personal goals. 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 multi-faceted course dealing with the subject of death and dying, its historical and social ramifications and present impact on the nature of living.

P 295 STATISTICAL METHODS (3-0-3)(F,S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability and analysis of variance. PREREQ: P 101, High School Algebra.

Upper Division

NOTE: Upper division Psychology courses are reserved 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 309 LIFE-SPAN DEVELOPMENT I (3-0-3)(F). Designed for psychology majors, the course emphasizes theories of human development including psychodynamic, behavioral, social-learning and cognitive. Contemporary views of heredity and environmental contributions will be examined. Research designs appropriate to developmental issues will be explored. The emphasis will be on development from the prenatal period to adolescence. Credit cannot be obtained for both P 211 and P 309. PREREQ: P 101.

P 310 LIFE-SPAN DEVELOPMENT II (3-0-3)(S). A continuation of the study of human development with the emphasis on development from adolescence to death. Credit cannot be obtained for both P 212 and P 310. PREREQ: P 309.

P 313 PSYCHOLOGY OF AGING (3-0-3)(F/S). An examination of the functional changes occurring during the aging process. Topics will include contemporary methods in the study of aging, aging as a part of life-span development in perception, cognition, personality, achievement and family relations. Attention will be given to mental health problems of the aged, diagnosis and therapy. PREREQ: P 101.

P 321 EXPERIMENTAL DESIGN (2-4-4)(F,S). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data; reporting of behavioral research. PREREQ: P 295.

P 331 THE PSYCHOLOGY OF HEALTH (3-0-3)(F/S). Principles that have emerged from the experimental analysis of behavior will be examined. The principles include, 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 COGNITIVE PSYCHOLOGY (3-0-3)(F). This course explores fundamental issues, principles and models involved in the study of mental processes. Topics include the sensory register, attention, working memory, encoding, retrieval, types of memory, comprehension, schemata, constructive and reconstructive processes, problem solving and the emotion/cognition relationship. A course in statistics or research design is strongly recommended. PREREQ: P 101.

P 345 THE PSYCHOLOGY OF LANGUAGE (3-0-3)(S). Examines language structure, types of grammar, problems of meaning, competence versus performance, whether all thinking is verbal, linguistic determinism and cultural factors in language. PREREQ: P 101.

P 351 PERSONALITY (3-0-3)(F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. PREREQ: P 101.

P 357 PEER COUNSELING: THE HELPING RELATIONSHIP (3-0-3)(F,S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. PREREQ: P 101. PASS/FAIL

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3)(F). This course will examine sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101 or SO 101.

P 398 PSYCHOLOGY SEMINAR (3-0-3)(S). Selected topics of special interest to persons planning careers in psychology. PASS/FAIL.

P 401 SENIOR REVIEW PRACTICUM (0-3-3)(F,S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with an upper division GPA above 3.0 and PERM/INST.

P 405-405G ADVANCED STATISTICAL METHODS (3-0-3)(S). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced topics in univariate statistics (e.g., repeated measures designs) as well as current multi-variate techniques such as discriminant analysis, factor analysis and principal component analysis. PREREQ: P 295 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 295.

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 cognition with reference to interactions with other human beings. This course may be taken for either psychology or sociology credit, but not both. SO 101 and a course in statistics or research design are strongly recommended. PREREQ: P 101.

P 441 LEARNING (3-0-3)(F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination and motor skills. PREREQ: P 101 and P 295.

P 451 ENVIRONMENTAL PSYCHOLOGY (3-0-3)(F). This course investigates how various aspects of natural and built environments influence human behavior and mental health. Lecture topics and student projects focus upon current environmental research and theories in such topics as conservation attitudes, spatial cognition, crowding, environmental hazards, work environments and human needs in designed and wilderness spaces. A course in statistics or research design is strongly recommended. PREREQ: P 101.

P 455 INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY (3-0-3)(S). This course examines the psychological theories and methodologies used to respond to the needs of industries and other organizations and to those of the individuals and groups within organizational settings. Topics include organizational theory, organizational behavior, motivation, job satisfaction, job design, group processes, leadership, performance evaluation, selection, placement, training and development. PREREQ: P 101.

P 459 PSYCHOLOGY AND LAW (3-0-3)(F). The course provides an overview of research in the field of psychology and the law and documents how psycholegal research relates to pressing issues facing the judicial system. A partial list of the topics covered include: eyewitness testimony, jury deliberations, criminal behavior, evidence and the structure and function of the legal system. A course in statistics or research design is strongly recommended. PREREQ: P 101.

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 interestthat 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 498 EXPERIMENTAL RESEARCH SEMINAR I (1-4-3)(S). 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. Students should not enroll in this course unless they intend to complete P 499 in the next Fall semester. PREREQ: P 321, PERM/INST.

P 499 EXPERIMENTAL RESEARCH SEMINAR II (1-4-3)(F). A continuation of the research activities initiated in P 498 with an emphasis on data analysis and the final preparation of a research report to be submitted for presentation at a professional convention. PREREQ: P 498.

Department of Radiologic Sciences

Student Health Building
Telephone (208) 385-1996

Chair and Instructor: Darlene Travis; *Assistant Professors:* McCrorie, Staley, Kelley.

Degrees Offered

- A.S. in Radiologic Technology
- B.S. 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 the 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 and in Magnetic Resonance Imaging. Registered Sonographers also have an opportunity to receive credit toward a baccalaureate degree by enrolling in the Ultrasound option.

Requirements for Admission

1. Freshman Year
   A. See University Admission Policy.
   B. Student should 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 2.50 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. Contact the department chair for details.

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 February 15 of the year in which they plan to begin the second (Sophomore) year of the required radiologic sciences curriculum. Included should be a transcript of any courses completed at a college or university other than BSU.
   B. Selected qualified applicants are required to have an interview during the spring semester of the freshman year. Contact the department chair for details.
   C. All applicants will be notified of their status by April 25. Due to the 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 November 1 of the Sophomore year.
2. Submit a current CPR certification card by December 1 of the Sophomore year.
3. Submit $100.00 as prepayment for student name pin, clinical malpractice insurance, radiation monitoring badges and markers. This nonrefundable cost is payable by May 5 preceding the Sophomore year.
4. Submit a $50.00 Lab Fee, per academic semester, payable at the time of registration.

Promotion and Graduation

1. Students must maintain a GPA of at least 2.50 for the first semester of the professional program. A lower GPA may constitute basis for removal from the program.
2. Any professional theory (numbered H, RD) or clinical unit with a grade of less than 'C' 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 Computers in Health Science H 120	3	-
Mathematics M 108	-	4
General Psychology P 101	-	3
Area I Core	-	3
	17	17
SOPHOMORE YEAR		
Nursing Skills for Health Care Personnel H 206	1	-
Radiographic Positioning I RD 222	4	-
Radiographic Techniques and Control I RD 226	1	-
Radiographic Techniques and Control Lab RD 227	1	-
Radiographic Physics PH 106	3	-
Intro to Radiography Clinical Experience RD 234	2	-
Clinical Practicum RD 265	1	
Laboratory Practicum RD 211-221	1	1
Radiation Biology-Protection RD 230	-	2
Radiographic Positioning II RD 242	-	4
Radiographic Tech & Control II RD 228	-	3
Clinical Experience RD 285	-	4
Area I Core Elective	3	-
Area II Core Elective	-	3
	17	17
SUMMER		
Clinical Experience RD 375	-	4
Clinical Experience RD 376	-	4
	-	8
JUNIOR YEAR		
Laboratory Practicum RD 311	1	-
Radiographic Positioning III RD 316	2	-
Radiographic Procedures RD 320	2	-
Medical & Surgical Diseases RD 350	2	-
Clinical Experience RD 385-395	6	6
Radiographic Practicum RD 321	-	1
Radiologic Therapy & Imaging System RD 338	-	3
Radiographic Quality Assurance RD 340	-	3
Special Radiographic Procedures RD 360	-	2

Radiologic Colloquium RD 392	-	1
Area I Core Electives	3	-
	16	16

Baccalaureate Degree Curriculum

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have comparable course work in Radiologic Technology and/or related discipline from another college/university program, must be ARRT registered technologist, or have permission from the department chair.

MANAGEMENT OPTION

FALL SEMESTER	1st SEM	2nd SEM
Health Delivery Systems H 202	3	-
Management & Organizational Theory MG 301	3	-
Area I Core Elective	3	-
Area II Core Elective	3	-
Electives (any upper division)	3	-
Human Resource Management I MG 305	-	3
Organizational Behavior MG 401	-	3
Management of Radiologic Services RD 400	-	3
Area II Core Elective	-	3
Elective (any upper division)	-	3
TOTAL	15	15

Application process for Computerized Tomography and Magnetic Resonance Imaging Options:

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.
3. A $50 acceptance fee prior to initiation of courses to prepay clinical malpractice insurance, name pin and radiation monitoring badges.

COMPUTERIZED TOMOGRAPHY OPTION

SENIOR YEAR	
Comparative Sectional Imaging RD 430	3
Pathophysiology H 300	4
Prin of Computerized Tomography RD 450	3
Proc Case Studies Computerized Tomography RD 451	2
Clinical Exper Computerized Tomography RD 455	6
Area I Core Elective	3
Area II Core Elective	6
Electives (upper division or PE 230)	6
TOTAL	33

MAGNETIC RESONANCE IMAGING OPTION

SENIOR YEAR	
Comparative Sectional Imaging RD 430	3
Pathophysiology H 300	4
Prin of Magnetic Resonance Imaging RD 440	3
Proc Case Studies Mgntic Reson Imaging RD 441	2
Clinical Exper Magnetic Resonance Imaging RD 445	6
Area I Core Elective	3
Area II Core Elective	6
Electives (upper division or PE 230)	6
TOTAL	33

ULTRASOUND OPTION

NOTE: The Ultrasound Option is available for those Sonographers certified by the American Registry of Diagnostic Medical Sonography. Challenge procedures will be evaluated on an individual basis. See the department chair for clarification.

SENIOR YEAR	1st SEM	2nd SEM
Comparative Sectional Imaging RD 430	3	-
Computer Application 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 Experience in Ultrasound II RD 468	-	6
Area I Core Elective	-	3
Area II Core Elective	-	3
	18	16
SUMMER SEMESTER		
Area II Core Elective	-	3
Conference & Interpretation Ultrasound II RD 466	-	3
Clinical Experience Ultrasound II RD 469	-	6
	-	12

Course Offerings

See page 4 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 I (1-0-1)(F). An introduction to the basic principles of x-ray machine operation, production of x-radiation and its interaction with matter. The factors affecting exposure values, fog, scatter, density, contrast and detail will be evaluated during image analysis. COREQ: RD 227 and 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 228 RADIOGRAPHIC TECHNIQUE AND CONTROL II (3-0-3)(S). An in-depth analysis of all factors affecting the radiographic image to include the photographic properties of density and contrast and the geometric properties of definition, visibility of detail and distortion. Primary emphasis will be placed on problem solving and reasoning for practical image quality analysis. Included will be processing, image intensification and photo timing. PREREQ: 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 spines. PREREQ: RD 222. COREQ: RD 221.

RD 265 CLINICAL PRACTICUM (0-4-1)(F). Supervised clinical observation that will prepare the student for the professional and patient interactions that are present in the clinical education setting. COREQ: RD 230.

RD 285 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-16-4)(S). Supervised clinical hospital experience. The student must complete 75% minimum of recently taught radiographic exams. 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 III (2-0-2)(F). Advanced positioning techniques of the cranium, facial bones, sinuses and temporal bones. PREREQ: RD 242. COREQ: RD 311.

RD 320 RADIOGRAPHIC PROCEDURES (2-0-2)(F). Methods of solving positioning problems by the use of special radiographic devices and techniques. PREREQ: RD 242. COREQ: RD 316.

RD 321 RADIOGRAPHIC PRACTICUM (0-3-1)(S). An evaluation of the synthesis of advanced radiographic concepts. Identified areas of weakness will be addressed. PREREQ: PH 106, RD 226, RD 228.

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)(S). Fundamental concepts of the more specialized radiographic procedures with emphasis on the cardiovascular system, systemic circulatory system, mammography and intravascular contrast medias. Attention will be given to anatomy, procedures and equipment operation. PREREQ: RD Major or PERM/INST.

RD 375 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-40-4)(SU). Supervised clinical hospital experience. The student must demonstrate competency of recently taught radiographic exams plus continued competency of the exams previously evaluated. PREREQ: RD 285.

RD 376 RADIOLOGIC TECHNOLOGY CLINICAL EXPERIENCE (0-40-4)(SU). Supervised clinical hospital experience. The student must demonstrate competency of recently taught radiographic exams plus continued competency of the exams previously evaluated. PREREQ: RD 375.

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 392 RADIOLOGIC COLLOQUIUM (1-0-1)(S). Topics will be selected from current health care issues. These topics will be presented for discussion by appropriate health care professionals. PREREQ: RD major or PERM/INST.

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 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)(F,S). Provides descriptive information of 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 Technologist. PREREQ: PERM/INST.

RD 441 PROCEDURAL CASE STUDIES IN MAGNETIC RESONANCE IMAGING (2-0-2)(F,S). Provides description and discussion of current procedural practices in magnetic resonance imaging. Also allows for analysis of procedural variation with examination of case studies. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 445 CLINICAL EXPERIENCE IN MAGNETIC RESONANCE IMAGING (0-24-6)(F,S). Supervised clinical experience in the special imaging area of magnetic resonance. Students will rotate between two different Magnetic Resonance Imaging facilities during the semester. Limited to students in the Magnetic Resonance Imaging Program. PREREQ: or COREQ: RD 440.

RD 450 PRINCIPLES OF COMPUTERIZED TOMOGRAPHY (2-0-2)(F,S). Provides descriptive information of the basic principles of physics and instrumentation relative to computerized tomography. Historical development, mathematical and physical concepts of operation, component and systems integration and peripheral apparatus will be included. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 451 PROCEDURAL CASE STUDIES IN COMPUTERIZED TOMOGRAPHY (2-0-2)(F,S). Provides description and discussion of current procedural practices in computerized tomography. Also allows for analysis of procedural variation with examination of case studies. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 455 CLINICAL EXPERIENCE IN COMPUTERIZED TOMOGRAPHY (0-24-6)(F,S). 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

Chair and Professor: Conrad Colby; *Director of Clinical Education and Assistant Professor:* Jeffrey M. Anderson; *Medical Director:* D. Merrick, M.D.; *Associate Professors:* Ashworth, Lester; *Instructors:* Nicholas, Sandmeyer.

Degrees Offered

- A.S. in Respiratory Therapy
- B.S. 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 the 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 in accordance with ADA guidelines.

All students admitted to the Respiratory Therapy Program are required to: Submit a negative PPD and document positive Rubella and Rubeola immunity report to the department by August of the year in which the student enters the professional program. A chest x-ray is required if the PPD is positive. Recommend Hepatitis B immunizations.

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 chair 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 $22.00 as prepayment for student name pin, basic life support course and clinical insurance at the time of registration.
   E. A $16.00 Lab Fee, per academic year is payable at the time of registration each academic year.
   F. Junior students must pay a $25 self-evaluation fee as well as $25 for an Advanced Cardiac Life Support Course at the time of spring registration.

Promotion and Graduation

Students who do not meet these requirements may be removed from the program:

1. Professional Program
   A. Students must earn at least a "C" in every Biology, Health Science, Mathematics, Chemistry and Respiratory Therapy course.
   B. A grade of less than a "C" in any professional course (numbered H, RT) must be repeated and raised to a "C" or higher.

Required Program

Preprofessional Curriculum: All students who are considering entry into the Respiratory Therapy Program must have completed or be in the process of completing the following preprofessional curriculum. The preprofessional curriculum need not be taken at BSU.

PREPROFESSIONAL (FRESHMAN) YEAR	1st SEM	2nd SEM
English Composition 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

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

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 of science 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 chair.

	1st SEM	2nd SEM
SENIOR YEAR: Management Option		
Human Resource Management I MG 305	3	-
Organizational Behavior MG 401	3	-
Intro Mgmt Information Systems IS 310 OR		
Intro Financial Accounting AC 205	3	-
Area I or II Core Electives	6	-
Human Resource Management II MG 406	-	3
Respiratory Therapy Colloquium RT 401	-	3
Area I or II Core Electives	-	6
	15	12
SENIOR YEAR: Education Option		
Found of Education TE 201	3	-
Statistical Methods P 295	3	-
Area I or II Core Electives	6	-
Educational Psychology TE 225	-	3
Secondary School Methods TE 381	-	3
Respiratory Therapy Colloquium RT 401	-	3
Area I or II Core Electives	-	6
	12	15
SENIOR YEAR: Advanced Clinical Option		
RT Internship RT 493	-	6
Intro Health Law & Ethics H 213	2	-
Statistical Methods P 295 OR	3	-
Elem Social Statistics SO 310	4	-
Area I or II Core Electives	6	6
Respiratory Therapy Colloquium RT 401	-	3
	11	15

Course Offerings

See page 4 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.

RT 493 RESPIRATORY THERAPY INTERNSHIP (0-18-6). Supervised clinical practice in health care facilities in specialized areas of advanced intensive care. PREREQ: PERM/INST.

Department of Social Work

Education Building, Room 716
Telephone (208) 385-1568

Chair and Professor: Mark W. Lusk; *Professors:* Huff, Panitch; *Associate Professors:* Hepler, Hoff, Yunker; *Assistant Professors:* Cotrell, Harkness; *Special Lecturers:* Jasper, Knapp; *B.A. Coordinator:* Daniel Harkness; *MSW Coordinator:* Juanita Hepler

Degrees Offered

- B.A. in Social Work
- Master in Social Work (MSW) (See *Graduate College Catalog* for details.)

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 generalist 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.

A recent telephone survey of 45% of 707 social workers (B.A. in Social Work) licensed in Idaho found almost three-fourths practicing social work with an average annual income of over $24,000. Three out of every ten social workers licensed in Idaho are graduates of Boise State University.

Degree Requirements

SOCIAL WORK MAJOR
Bachelor of Arts Degree

1. Total General University and Major Requirements 128
2. Lower division courses 63
   - English Composition E 101-102 6
   - Literature (Area I Core) 6
   - Area I - Second Field* 3
   - Area I - Third Field* 3
   - History (Area II 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 Welfare SW 101 3
   - The Profession of Social Work 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, 385L 4
   - Social Work Methods-Community Organization SW 430 3
   - Social Work Methods-Group Work SW 435 3
   - Life-Span Development I P 309 3
   - Life-Span Development II P 310 3
   - Field Work SW 480, 481 10
   - Social Sciences & Public Affairs Electives** 9
   - Senior Seminar SW 498, 499 2
4. GENERAL ELECTIVES-Lower - Upper division 19

*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, Psychology and/or History with approval of advisor. Internships are excluded from fulfilling Social Sciences and Public Affairs electives; they can fulfill general electives only.

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 Welfare 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	-
The Profession of Social Work 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, 385L	-	4
Life-Span Development I P 309	-	3
UD Soc Sci & Public Affairs electives	3	6
Lower or upper division electives	6	2
	15	18
SENIOR YEAR		
Field Work SW 480, 481	5	5
Senior Seminar SW 498, 499	1	1
Social Work Methods-Group Work SW 435	3	-
Social Work Methods-Community Organ SW 430	3	-
Lower or upper division electives	3	8
Life-Span Development II P 310	-	3
	15	17

Course Offerings

See page 4 for definition of course numbering system

SW SOCIAL WORK

Lower Division

SW 101 INTRODUCTION TO SOCIAL WELFARE (3-0-3)(F/S)(AREA II). Survey of contemporary social welfare programs, their historical development, underlying philosophy and the need for social services in a modern society.

SW 201 THE PROFESSION OF SOCIAL WORK (3-0-3)(F/S). A survey of the historical development and contemporary practice of social work, its values, knowledge base, ethics and basic skills. Select social service agencies are examined. Five clock hours of service per week are required in an agency to facilitate the integration of values, knowledge and skills. Social work roles and career opportunities are explore. PREREQ or COREQ: SW 101.

SW 293-493 SOCIAL WORK INTERNSHIP (F/S). Provide students practical, on-the-job social work experience in social service agency. Forty-five hours worked equals one credit hour; no retroactive credits earned. Maximum of six internship credits per semester; maximum of twelve internship credits applied toward degree. Internships are excluded from fulfilling nine credit hours of Social Sciences and Public Affairs electives; they can fulfill general electives only. With approval of internship coordinator.

Upper Division

SW 301 SOCIAL WELFARE POLICY (3-0-3)(F/S). Reviews institutional social welfare and professional social work mechanisms to deal with the problems of social change. Explores a range of concepts, skills, tasks, policy-making styles and case examples which enable social workers to become effective policy practitioners/proactive participants in shaping public social welfare policies. PREREQ: SW 201 and social work major.

SW 321 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT (3-0-3)(F/S). Presents a broad perspective of human behavior relevant to social work using a social systems perspective under which various theoretical perspectives fit. Develops key concepts for understanding a number of individual and social problems: physical/sexual abuse, substance abuse, mental illness, physical illness, multi-problem families and poverty. Explores issues of diversity, feminism, race and ethnicity and gay lesbian life styles. PREREQ: SW 201, SO 101, P 101 and a social work major.

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. COREQ: SW 385L

SW 385L SOCIAL WORK METHODS-CASEWORK LAB (0-2-1)(F/S). Students will be required to attend a special laboratory class where they will practice and develop specific interviewing and communication skills. COREQ: SW 385.

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 AGING: SOCIAL POLICY AND PROGRAMS (3-0-3)(S). This course includes policy issues and services that are or should be available to all ages and special services that must be available for the frail, impaired and isolated aged. Content survey includes the Social Security Act and the Older American Act and their amendments. Available programs are explored, including local agencies, organizations and related social services. PREREQ: Upper division standing or PERM/INST. Alternate years.

SW 435 SOCIAL WORK METHODS-GROUP WORK (3-0-3)(F/S). Dynamics of group behavior, understanding group interaction and the processes of working with groups are covered. PREREQ: SW 301, SW 321.

SW 480 FIELD WORK I (0-16-5)(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, P 310; Cum GPA: 2.5; Major GPA: 3.0. PERM/INST (Pass/Fail).

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

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 218Telephone (208) 385-3406

Chair and Professor: Martin Scheffer; *Professors:* Baker, Dorman; *Associate Professor:* Blain; *Assistant Professors:* Corbin, Patrick.

Degrees Offered

- B.A. in Multi-Ethnic Studies
- A.A. in Social Science (Off-Campus locations only)
- B.A., B.S. in Social Science
- B.A. and B.S. in Sociology
- B.A. in Sociology, Social Science, Secondary Education

Department Statement

Sociology's concerns are central to the mandate by the State Board of Education that Boise State be the lead institution in Social Sciences and Public Affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving and full participation in public affairs through investigation and understanding of social processes and formations. The department of sociology offers four (4) bachelors degree programs, a minor for teaching certification, participates in the Canadian Studies and Interdisciplinary Gerontology minors and contributes to the master of Interdisciplinary Studies 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
      Total lower division classes**
      Anthropology AN 101, 102, 103 3
      Economics EC 205, 206 3
      History HY 101, 102, 105 3
      Political Science PO 101, 102, 141 3
      Intro to Sociology SO 101 3
      Communication CM 111, 112 3
      Total 18
   B. UPPER DIVISION CLASSES:
      Primary field 12
      Secondary field 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 discipline of study:

- Anthropology
- Communication
- Economics
- History
- Political Science
- Psychology
- Sociology

*B.A. 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
      Cultural Anthropology AN 102 3
      Intro to Law & Justice CR 101 3
      Communication CM 112, 171 3
      Economics EC 205, 206 3
      US History HY 152 3
      Political Science PO 101, 102 3
      Intro Social Welfare SW 101 3
      Sociology SO 101, 102 3
      Total 24
   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 48

Select from the following for primary and secondary field of study:

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

*B.A. 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 Information Section of this Catalog. bachelor of arts degree candidates are required to complete one year of foreign language. Sociology courses MAY NOT be used to satisfy Area II requirements.
2. Sociology majors shall complete at least forty-one (41) credit hours in Sociology courses, including:
   A. A twenty-six (26) credit hour major core consisting of the following courses:
      Introduction to Sociology SO 101 3
      Theories of Society SO 201 3
      Computer Applications in Social Science SO 210 4
      Elementary Social Statistics SO 310 4
      Social Research SO 311 3
      Sociological Theory SO 400 3
      Sociology Seminar SO 498 3
      Senior Practicum SO 490 3
   B. Fifteen (15) credit hours of electives chosen from the Sociology course offerings are required for the major. The department maintains undergraduate specializations from which students may choose some of their elective courses:
      1) SOCIAL RESEARCH: Advanced Social Statistics SO 410, Qualitative Social Research SO 412, Internship(s) in social research settings SO 493.
      2) DISPUTE RESOLUTION: Social Conflict and Peacemaking SO 290, Conflict Management SO 390, The Sociology of Peace and War SO 395, Internship(s) in dispute resolution settings SO 493.

*B.A. degree requires one year of a foreign language.

SOCIOLOGY—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; sociology; and anthropology. 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 sociology.
2. Must complete a minimum of 15 credits in each of two of the above departments (other than sociology) to satisfy graduation requirements. However, teaching certification requires additional course work in these two departments. See "Minor Certification Endorsements" in the Teacher Education section of this catalog.
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.

4. Total General University and Major Requirements 128*
5. REQUIRED SOCIOLOGY COURSES
   Introduction to Sociology SO 101 3
   Theories of Society SO 201 3
   Computer Applications in Social Sciences SO 210 4
   Elementary Social Statistics SO 310 4
   Social Research SO 311 3
   Sociological Theory SO 400 3
   Sociology Seminar SO 498 3
   Senior Practicum SO 490 3
   Sociology Elective 4
6. ELECTIVES lower or upper division 30
   First Social Science Field 15
   Second Social Science Field 15
7. Teacher Education Requirements 29-35

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the Teacher Education listing for more information.

SOCIOLOGY-SOCIAL SCIENCE EDUCATION MINOR 15 HOUR OPTION

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 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 B.A. degree. The program will help students provide themselves with an understanding of non-European 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, teacher education; Dr. P.K. Ourada, department of history; A.R. Corbin, department of sociology; or chair, department of social work, to develop a program of study.

1. General University Requirement 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

1. Requirements 9
Intro to Multi-Ethnic Studies SO 230 3
Minorities in U.S. History HY 261 3
Ethnic Literature Courses 3
2. 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 Elect 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
Sociology Electives	6	6
Electives	6	6
	16	15
SENIOR YEAR		
Sociological Theory SO 400	3	-
Sociology Seminar SO 498	-	3
Senior Practicum SO 490	-	3
Sociology Electives	3	-
Electives	12	9
	18	15

Course Offerings

See page 4 for definition of course numbering system.

SO SOCIOLOGY

Lower Division

SO 101 INTRODUCTION TO SOCIOLOGY (3-0-3)(AREA II). An introduction to groups, organizations and societies, and 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, etc.

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

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

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

SO 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 278 MEXICAN AMERICAN TRADITION AND CULTURE (3-0-3)(S). This class provides an exploration of Mexican American traditions and culture. It explores the history of the Mexican American people including their influence on contemporary American language, customs and beliefs.

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, and to a range of peaceful solutions to conflicts using nonviolent, non-adversarial methods. The course ranges from interpersonal conflict and ends with the international nuclear arms race. This course may be taken for SO or CR 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 standing.

SO 320 RADICAL SOCIOLOGY (3-0-3)(F). Analysis of contemporary radical power theory and its application in the study of modern socioeconomic problems. This course will examine issues of social importance from the perspective of conflict theory, neo-Marxian and Elitist theory. PREREQ: SO 101 and upper division standing. 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 standing.

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

SO 331 DEVIANT BEHAVIOR (3-0-3)(F). Analysis of behaviors which violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies with those labeled deviant or with those doing the labeling. Alternate odd years. PREREQ: SO 101, upper division status.

SO 340 SOCIOLOGY OF THE FAMILY (3-0-3)(F/S). An analysis of courtship, marriage, kinship and family patterns in the United States and selected societies. Theories and facts about the relationships of these patterns to the larger society. PREREQ: SO 101, upper division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3)(F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. PREREQ: SO 101 and upper division standing. Alternate years.

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

SO 362 (CR 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F). (Cross listed CR 362.) Historical development, processes and methods of operating the adult correctional system. Philosophy and development of treatment strategies to local, state and federal correctional institutions. This course may be taken for SO or CR 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 standing. 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 or 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 standing. 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 others 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 400 SOCIOLOGICAL THEORY (3-0-3)(F/S). In depth examination of Social Theory from the Enlightenment to the present which may have relevance for contemporary thought, social research and social practice. PREREQ: SO 101, SO 201 and 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 (3-0-3)(S). The methods of non-parametric statistics in the analysis of Sociological data are examined in depth with application to research. PREREQ: SO 101 and SO 310 or equivalents as determined by consultation with department chair.

SO 412-412G QUALITATIVE SOCIAL RESEARCH METHODS (3-0-3)(F). An intensive course in interpretive social science, covering the practice of fieldwork ethnography, the use of computers in qualitative research, techniques of qualitative data analysis and the writing of qualitative research reports. PREREQ: SO 101 and one of the following: CM 302, CR 426, HY 210, P 295, PO 298, SO 310, SW 380.

SO 415 JUVENILE DELINQUENCY (3-0-3)(S). Social causes of juvenile delinquency. Solutions that are discussed arise from theories which suggest changing society more than the individual delinquent. Positive and negative activities of the juvenile justice system are also reviewed. PREREQ: SO 101, upper division standing.

SO 417 CRIMINOLOGY (3-0-3)(F). An examination of the social and intellectual heritage of criminological theory. The student is challenged to understand crime as a sociological problem which is "explained" by theories which can be tested scientifically and evaluated critically. PREREQ: SO 101 and upper division standing.

SO 421 SOCIAL INEQUALITY (3-0-3)(S). How inequalities of wealth, income and prestige occur. How such inequalities affect behavior, personal philosophy and life chances. Arguments for and against more equality will be examined in relation to issues such as: constraint and mobility; education and opportunity; consumerism and poverty; public policy and the politics of wealth and welfare. PREREQ: SO 101 and upper division standing. Alternate years.

SO 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. This course may be taken for either Psychology or Sociology credit, but not for both. PREREQ: SO 101, P 101 and upper division standing.

SO 435-435G DRUGS IN SOCIETAL CONTEXT (3-0-3)(F/S). This class applies the sociological perspective on social problems to drug use. It examines how different social groups use drugs, attempt to control and prohibit the use of drugs and the societal effects of using and controlling the use of drugs.

SO 471 FEMINIST SOCIOLOGICAL THEORY (3-0-3)(F/S). An examination of the major types of feminist theory in sociology, or theory directly useful to sociologists in search of understanding and explaining gender relations. The student will encounter new perspectives in sociology that arise from the exchange of new ideas, new data, exciting possibilities for social change and the emergence of new theoretical models to understand gender relations. PREREQ: Upper division standing.

SO 481 SOCIOLOGY OF GENDER AND AGING (3-0-3)(F/S). A sociological examination of the myths and stereotypes that impact men and women as they age. The course will explore research efforts focused on aging in a gendered society and examine the myths and stereotypes; seek to discover the source of cultural beliefs, social structures of gendered identities and how gender stratification creates disadvantage for older men and women. PRERQ: SO 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 490 SENIOR PRACTICUM (V-V-3)(F/S). A capstone course where Senior Sociology majors complete experiential learning at sites selected in consultation with advisor and/or Internship Coordinator. Students meet weekly with Internship Coordinator or designee to discuss academic relatedness and progress of experiential learning. PREREQ: Senior Sociology major and a minimum cumulative GPA of 2.5.

SO 493 INTERNSHIP (V-V-V)(F/S). Upper division students may select an internship program in consultation with department faculty and internship coordinator. The intent of the internship is to provide an experiential learning experience for students in a variety of settings in the community or on campus. PREREQ: upper division standing and a cumulative GPA of 2.5 or better.

SO 498 SOCIOLOGY SEMINAR (3-0-3)(S). Intensive study of selected problems in Sociology. PREREQ: Senior standing in Sociology major.

Graduate

See *Graduate College Catalog* for course descriptions.

SS SOCIAL SCIENCE

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.

Teacher Education
Department of Elementary Education and Specialized Studies

Education Building, Room 206
Telephone (208) 385-3602

Professors: French, Fuhriman, Hourcade, Kirtland, Lambert, Sadler, Waite, K. Young; *Associate Professors:* Bahruth, Bauwens, Lindsey, Morrison, Pearson, Singletary, Suedmeyer; *Assistant Professors:* Chevalier, Miller, Piazza, Steiner.

Degrees Offered

Elementary Education Degrees
- B.A. in Elementary Education
- B.A. in Elementary Education, Bilingual-Multicultural

Endorsements
- Elementary Education (1-8)
- Elementary Education (K-8 with Early Childhood Endorsement)
- Elementary Education (1-8 with Special Education Endorsement)
- Elementary Education (1-8 with Early Childhood Special Education Endorsement)
- Elementary Education (1-8 with Reading Endorsement)

Graduate Degrees
- Master of arts/science in Education with emphasis in: Curriculum and Instruction; Early Childhood; Reading and Special Education.
- Doctorate in Curriculum and Instruction

The specifics of the programs are presented in the *Graduate College Catalog.*

Department Statement

Effective teachers are reflective practitioners who adjust the teaching approaches to the needs and backgrounds of their students. The degree programs in Elementary Education are designed to assist students in developing the knowledge, skills, values and dispositions essential for success in teaching. The programs are based on two assumptions: that successful teachers are committed to acquisition of and continuous renewal of knowledge in the substantive areas they teach; and they are also committed to development of pedagogy conducive to a high level of achievement for all students. Therefore, coursework combines content knowledge with the study of curriculum and methodology. Theories of learning and child development are examined so that students who complete this program will be able to make effective instructional decisions.

To prepare potential teachers with these skills requires coursework and pre-service experiences that will acquaint them with the rich diversity of backgrounds they will find in their classrooms. The program intends to develop dispositions to accept eagerly the challenge of teaching all students, regardless of background or learning ability.

The elementary education program emphasizes the development of values aimed at a healthy American society within a world community. Exemplary teachers accept the importance of educating a citizenry who will contribute to society as caring, responsible and thoughtful citizens.

In addition to pre-service and graduate education programs, the department also serves teachers and local school districts through cooperatively developed in-service 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 serves as a resource for instructional improvement for the university community and offers courses that help students meet the demands of university study.

Department Admission Requirements

Admission to Elementary Teacher Education: Students preparing to become elementary school teachers must apply and be accepted for Admission to Elementary Teacher Education. **Admission to Elementary Teacher Education is required before a student may enroll in upper division Teacher Education courses and all admission requirements must be completed before admission will be granted.** Applications are made through the Teacher Education Office of Professional Field Experiences in Room E-306 or at the Advising Office in Room E-20.

Admission Schedules: Application for Admission to Elementary Teacher Education is limited to two specific times each year. **Completed applications must be filed by October 10th or March 10th of the semester during which the admission requirements are being completed.** Applications received after those dates will be processed during the following semester.

Students who have already earned a B.A. or B.S. degree will be granted "Provisional Admission to Elementary Teacher Education" during their first semester at BSU. During this semester, they must complete all requirements for regular Admission to Elementary Teacher Education. These include all of the professional and academic requirements described below, including the Professional Writing Assessment (EQE) and the basic mathematics test. Students who fail to satisfy any one of these requirements during the first semester at BSU will not be granted regular Admission to Elementary Teacher Education.

Limitations to Admission: Because of the large number of students seeking Admission to Elementary Teacher Education, not all elementary education applicants can be admitted. Each academic year, a target number of applicants will be established and applicants will be accepted until that number is reached. Priority will be given to those with the highest academic grade point average and to those specialty areas that have been identified as shortage areas in Idaho. (Shortage areas may change over time.) Consideration will also be given to unusually strong candidates who do not meet the GPA requirements.

Screening of applicants and implementation of admission policy is the responsibility of the Teacher Education Professional Standards Committee and the Teacher Education Coordinator of Professional Field Experience.

Admission Requirements: Requirements for Admission to Elementary Teacher Education shall be determined and implemented by the Teacher Education faculty and administered by the Office of Professional Field Experiences. **Students are not to apply for Admission to Elementary Teacher Education until they have completed all the requirements for admission.** It is the responsibility of the individual student to provide the Office of Professional Field Experiences with transcripts and other documentation to show that those requirements have been completed. The requirements are as follows:

Professional Standards: In order to be admitted to Elementary Teacher Education and to continue taking Teacher Education courses, each elementary education student must be reviewed and approved by the Teacher Educational Professional Standards Committee, and must maintain that approval throughout the program. Committee approval is based not only on the student's academic record, but also on the judgment of faculty members regarding the student's skills, behavioral characteristics and temperament necessary for success as a teacher. A further description and discussion of these traits will be found in the **Elementary Education Student Handbook** and in the Code of Ethics of the Idaho Teaching Profession. **The collection and assessment of this information from faculty members and others is an ongoing activity that begins when**

the student first enters BSU and continues throughout the student's participation in a Teacher Education program.

The Professional Standards Committee may exclude from further Teacher Education coursework any student identified as lacking the personal or professional skills, characteristics, or temperament necessary for success as a teacher. A student thus excluded is entitled to due process through normal appeals procedures as described in the **Boise State University Student Handbook.**

Professional Documentation: In addition to the completed Admission to Elementary Teacher Education form, the applicant must provide evidence of suitability to work in a school setting. This evidence should include:

1. Written evidence of work with children or young people in a formal setting.
2. A written narrative describing the significance of this experience in relation to his/her professional goals.
3. Any documentation required by the school district in which the student may be placed.

Applicants are encouraged also to have letters of recommendation sent by professionals familiar with their work with children or young people.

Academic Standards: The following academic standards are required for Admission to Elementary Teacher Education:

1. **English Composition.** Six credits of English composition must be completed with a minimum grade of C in each course. (Students who score in the 80th percentile or above on the ACT or SAT may be exempted from E 101, but E 102 is required.)
2. **Mathematics and Science.** Students must complete M 103 and at least one 4-credit lab science course with a minimum grade of C in each course. M 103 cannot be taken by correspondence.
3. **Area I and Area II Core Courses.** Students must complete at least six credits in Area I and six credits in Area II with a minimum grade of C in each course and an average GPA of 2.5 or higher in these courses.
4. **Teacher Education Pre-Professional Courses.** Elementary education students must complete TE 071 and TE 271 with a grade of P. They must also complete TE 201 and one additional 3-credit teacher education course with a minimum grade of C in each course and an average GPA of at least 2.5 for all teacher education courses.
5. **Professional Writing Assessment (EQE).** Students must pass the Professional Writing Assessment administered by the department of teacher education. The exam may be retaken upon remediation, but no more than two additional times. (This test is not the same as the minimal competency exam administered by the department of English.)
6. **Basic Mathematics Skills Test (For Elementary Education Students and those seeking related endorsements and Secondary Students seeking a Special Education Endorsement).** Students in all areas of elementary education and secondary education students seeking endorsements in Special Education, must earn a passing score on the basic mathematics skills test administered by the department. The test should be completed during the first semester of enrollment at BSU. It may be retaken after remediation, but not more than two additional times. (This test is not the same as the Mathematics Placement Examination given by the department of mathematics).

NOTE: Any exceptions to the preceding policy must be approved by the department chair.

Admission to Student Teaching in Elementary Education:

An application for a student teaching assignment must be filed with the Office of Professional Field Experiences in Room E-306.

When making an application for student teaching, the student should also make an application for graduation at the Registrar's Office.

The Office of Professional Field Experiences is responsible for making all student teaching assignments.

Students wishing to withdraw their application must give six weeks notice prior to the beginning date of their student teaching assignment.

Elementary Education: Application for Student Teaching and Elementary Curriculum and Instruction Classes. In addition to Admission to Elementary Teacher Education, the following requirements apply to all Elementary Education majors, including those seeking Special Education and Early Childhood endorsements and those seeking the Elementary Education Bilingual-Multicultural degree.

Deadlines: Elementary education students are required to apply for student teaching approximately one year in advance of their student teaching assignment and they must apply for Elementary Curriculum and Instruction classes at the same time. These classes include TE 406, TE 412, TE 417, TE 418 and TE 419.

The deadline date is October 1st for applicants planning to enroll in Elementary Curriculum and Instruction courses during the spring semester and in student teaching during the following fall semester. The deadline date is March 1st for applicants planning to enroll in Elementary Curriculum and Instruction courses during the fall semester and in student teaching during the following spring semester.

Other Requirements: Admission to the Elementary Curriculum and Instruction courses requires Admission to Elementary Teacher Education and completion of all prerequisite courses.

Admission to Student Teaching in Elementary Education requires the following:

1. Senior standing.
2. Completion of all professional education courses.
3. Recommendation by the faculty advisor.
4. A cumulative grade point average of at least 3.0 in all Teacher Education courses and an overall grade point average of at least 2.75 in all courses.
5. A passing score on all 3 parts of the National Teachers Exam (NTE) Core Battery: General Knowledge, Communication Skills and Professional Knowledge. Students should take the NTE during the first semester of their junior year. NTE application forms are available from the BSU Counseling and Testing Center. The NTE is administered at BSU in March, June and October of each year. Students are responsible for making application to take the tests and they are responsible for their own test fees. NTE applications must be mailed to Princeton, New Jersey, at least six weeks prior to the testing date. Minimum passing scores are those set by the Idaho State Board of Education for certification in Idaho. Students should direct the Educational Testing Service (ETS) to send their scores to the Office of Professional Field Experiences, College of Education, Boise State University.
6. Final review and approval of the Teacher Education Professional Standards Committee.

Special Information on Student Teaching in Elementary Education

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 306) or the dean of the College of Education (Education Building, Room 705).

4. Student Teaching can only be taken once (refer to 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.

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 elementary education and Specialized Studies consisting of general and professional Education courses.

1. General University Requirements for B.A. degree
   - A. English Composition E 101-102 3-6
     NOTE: Students not required to take E 101 must complete an additional 3 credits of English. For Certification purposes Elementary Education majors must complete a total of 12 hours of English including both composition and literature.
   - B. Area I Requirements 12
     - Survey of American Literature E 271/272 3
     - Additional Literature: Recommended courses: 3
       Far Eastern Lit in Translation E 215; Western World Literature E 230/235; Survey of British Lit to 1790 E 240; Survey of British Lit: 1790 to Present E 260.
     - Art or Music Elective: 3
       Survey of Western Art AR 101/102; Introduction to Art AR 103; Basic Design AR 105; Introduction to Music MU 133; Survey of Western Art Music MU 143.
     - Area I Elective: 3
       Recommended: Interdisciplinary Humanities IH 101-102, IH 111 or IH 112.
   - C. Area II Requirements 15
     - U. S. History HY 151/251, 152/252 (Area II Core) 3
     - General Psychology P 101 (Area II Core) 3
     - Government/Sociology: PO 101 or SO 101 (Area II Core) 3
     - Survey World Regional Geog GG 210 (not Area II Core) 3
     - Cultural Diversity: chosen from: (Area II Core) 3
       Cultural Anthropology AN 102; Intro to Multi-Ethnic Studies SO 230; Cultural Geography GG 102; Eastern Civilizations HY 105.
   - D. Area III Requirements 12
     NOTE: Elementary Education majors must have courses in at least two of the following disciplines: Biological Science, Earth Science, or Physical Science.
   - E. Additional BA Requirements 11
     - Music Fundamentals MU 201 2
     - Upper division American Government: chosen from: 3
       American Political Parties & Interest Groups PO 301; Pub Opinion & Voting Behavior PO 302; Urban Politics PO 308; American Chief Executive PO 309; Legislative Behavior PO 312; American Policy Process PO 320; American Political Theory PO 331; Constitutional Law PO 351; American Political Economy PO 381.
     - Upper division Cultural Diversity: chosen from: 3
       Peoples & Cultures of the World AN 311; Indian Peoples of Idaho AN 315; North American Indian Folklore & Lit E 391; Racial and Cultural Minorities SO 305; Sociology of the Family SO 340; Social Institutions SO 351
     - Elective 3
2. Professional Education Requirements
   - A. Taught by other departments on campus 17
     - Structure of Arithmetic for Teachers M 103 4
     - Geometry And Probability For Teachers M 104 4
     - Music Methods for the Elem School Teacher MU 371 2
     - Child Psychology P 211 3
     - Elem School Health & PE Curr & Instr PE 362 4
   - B. Taught by the teacher education department 59
     - Career Orientation for Elementary Educ TE 071 0
     - Foundations of Education TE 201 3
     - Field ExperienceElementary Tutoring TE 271 2
     - Educational Psychology TE 225 3
     - Education of the Exceptional Child TE 291 3
     - Integrated Language Arts TE 304 3
     - Teaching Development LiteracyGrades K-8, TE 305 3
     - Educational Technology - chosen from: 3
       Educ Tech-Classrm Applications TE 208; Tech in Spec Educ TE 340
     - Children's Literature TE 316 3
     - Teaching in the Culturally Diverse Classrm TE 372 3
     - Practicum: At-Risk Children in the Community TE 373 1
     - Senior Practicum TE 412 1
     - Developing Content Area LiteracyGrades K-8 TE 406 3
     - Elementary Social Studies Curriculum & Instruction TE 417 3
     - Elementary Mathematics Curriculum & Instruction TE 418 3
     - Elementary Science Curriculum & Instruction TE 419 3
     - Classroom Management - chosen from: 3
       Child Behavior & Guidance in EC TE 361; Behavior Intervention TE 450; Classroom Management Skills TE 457
     - Student Teaching: two chosen from: 16
       TE 470, TE 471, TE 472, TE 473, TE 476, TE 477, TE 478

Total 129-132

PROGRAMS AND ENDORSEMENTS

Elementary Education Major (Grades 1-8)

The program of studies listed above is the basic curriculum for the B.A. degree in Elementary Education. This program prepares students to teach in grades 1-8. The endorsements within the B.A. of Elementary Education degree are based upon this program, but require additional coursework and permit certain substitutions of alternate courses.

Recommended Programs

ELEMENTARY EDUCATION MAJOR

FRESHMAN YEAR	Credits
Career Orientation for Elementary Education TE 071	0
English Composition E 101-102	6
Concepts of Biology B 100 (Area III)	4
Foundations of Physical Science PS 100 (Area III)	4
General Psychology P 101 (Area II)	3
Structure of Arithmetic for Teachers M 103	4
Geometry and Probability for Teachers M 104	4
Music or Art (Area I)	3
Government/Sociology PO 101 **or** SO 101 (Area II)	3
Cultural Diversity: chosen from: (Area II) AN 102, SO 230, GG 102, or HY 105	3
Total	34

SOPHOMORE YEAR	
Foundations of Education TE 201	3
Educational Psychology TE 225	3
Interdisciplinary Humanities IH (Area I)	3
U. S. History HY 151/152, HY 251/252	3
Education of the Exceptional Child TE 291	3
Survey of World Regional Geography GG 210	3
Survey of American Literature E 271/272 (Area I)	3
Additional Literature: chosen from: (Area I) E 215, E 230, E 235, E 240, or E 260	3
Music Fundamentals MU 201	2
Area III Elective	4
Field ExperienceElementary Tutoring TE 271	2
Total	32

JUNIOR YEAR

Upper division American Government Course: chosen from:.....3
PO 301, PO 302, PO 308, PO 309, PO 312
PO 320, PO 331, PO 351, or PO 381
Upper division: chosen from:.....3
AN 311, AN 315, SO 305, SO 340, or SO 351
Child Psychology P 211 3
Integrated Language Arts TE 304 3
Teaching Developmental LiteracyGrades K-8 TE 305 3
Educational Technology - TE 208 or TE 340 3
Teaching in the Culturally Diverse Classroom TE 372.....3
Practicum: At-Risk Children in the Community TE 373 1
Children's Literature TE 316.....3
Elem School Health & PE Curric & Instruction PE 362.....4
Music Methods of the Elem School Teacher MU 371 2
Elective: AR 321 is strongly recommended 3
Total 34

SENIOR YEAR

Senior Practicum.....1
Teaching Content Area LiteracyGrades K-8 TE 406.....3
Elementary Social Studies Curriculum & Instruction TE 417.....3
Elementary Mathematics Curriculum & Instruction TE 418.....3
Elementary Science Curriculum & Instruction TE 419.....3
Classroom Management: chosen from: 3
TE 361, TE 450, or TE 457
Student Teaching: two chosen from: 16
TE 470, TE 471, TE 472, TE 473, TE 476, TE 477, or TE 478
Total 32
GRAND TOTAL 132

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 endorsed for Spanish K-12, thus enabling him or her to teach in a regular or Bilingual elementary classroom and to teach Spanish K-12.

LANGUAGE COMPONENT

Spanish

Intermediate Spanish S 201-202 (Area I) or 203 8
Advanced Spanish S 303-304 6
Total 14

Bilingual Education/English As a Second Language (BE/ESL)

Foundations of Teaching Bilingual Education/ESL TE 202..... 3
Identification & Diagnosis of LEP Students TE 322 2
Methods of Teaching ESL TE 456 3
Introduction to Language Study LI 305 3
Secondary Foreign Language Methods TE 383 3
Total 14

English Language

English Composition E 101-102 6
Total 6
Total Hours in Language Component 34

MULTICULTURAL COMPONENT

Survey of American Lit 271 or 272 (Area I).....3
Intro to Multi-Ethnic Studies SO 230 (Area II) 3
United States History HY 151 or 152 (Area II).....3
Cultural Anthropology AN 102 (Area II) 3
Mexican American Tradition & Culture TE/SO 278 3
Total Multicultural Component 15

MATH/SCIENCE COMPONENT

Structure of Arithmetic for Teachers M 103 4
Geometry & Probability for Teachers M 104 4
Concepts of Biology B 100 (Area III).....4
Electives: two chosen from: (Area III) 8
(One must be Physical or Earth Science:(GO 100 or PS 100 recommended)
Total Math/Science Component 20

PROFESSIONAL COMPONENT

General Education

Elementary School Art Methods AR 321 3
Music Meth for Elem School Teacher MU 371 2
Elementary School P E Methods PE 361 3
General Psychology P 101 (Area II) 3
Child Psychology P 211 3
Total 14

Teacher Education

Career Orientation for Elementary Education TE 071 0
Field ExperienceElementary Tutoring TE 271 2
Foundations of Education TE 201 (Area II) 3
Integrated Language Arts TE 304.....3
Teaching Developmental LiteracyGrades K-8 TE 305.....3
Childrens' Literature TE 316 3
Teach Read & Lang Arts in Bilingual/ESL Classrm TE 453 3
Senior Practicum TE 412 1
Developing Content Area LiteracyGrades K-8 TE 406 3
Elementary Social Studies Curriculum & Instruction TE 417.....3
Elementary Mathematics Curriculum & Instruction TE 418.....3
Elementary Science Curriculum & Instruction TE 419.....3
Elem School Student TeachingIntermediate TE 472.....8
Elem Student Teaching in Elem Bilingual Classrm TE 474 8
Total 46
Total Professional Component 60

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 selected 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
PO 101 American National Government
S 203 Spanish for the Native or Near-Native Speaker
S 385 Mexican-American Culture and Civilization
S 425 Mexican-American Literature
SO 305 Racial and Cultural Minorities
TE 208 Educational Technology - Classroom Applications
TE 225 Educational Psychology
TE 291 Education of the Exceptional Child
TE 358 Corrective Reading

Total.....140

Recommended Program

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR

FRESHMAN YEAR **Credits**

Career Orientation for Elementary Education TE 071 0
English Composition E 101-102 6
Art or Music (Area I Core) 3
Structure of Arithmetic for Teachers M 103 4

Geometry & Probability for Teachers M 104	4
General Psychology P 101 (Area I)	3
Concepts of Biology B 100 (Area III)	4
Cultural Anthropology AN 102 (Area II)	3
U S History HY 151, 152 (Area II)	3
Total	30

SOPHOMORE YEAR

Interm Spanish S 201-202 (Area I) or S 203	8
Survey of American Literature E 271 or 272 (Area I)	3
Foundations of Education TE 201 (Area II)	3
Field Experience - Elementary Tutoring TE 271	2
Intro Multi-Ethnic Studies SO 230 (Area II)	3
Found Bilingual Education/ESL TE 202	3
Mex-Amer Tradition & Culture TE/SO 278	3
Child Psychology P 211	3
Elective (Area III)	4
Elective	3
Total	35

JUNIOR YEAR

Introduction to Language Study LI 305	3
Integrated Language Arts TE 304	3
Teaching Developmental LiteracyGrades K-8 TE 305	3
Music Methods for Elem Teacher MU 371	2
Elementary School Art Methods AR 321	3
Elem School Physical Education PE 361	3
Childrens' Literature TE 316	3
Identification & Diagnosis of LEP Students TE 322	2
Advanced Spanish S 303-304	6
Elective (Area III)	4
Elective	2
Total	34

SENIOR YEAR

Secondary Foreign Lang Methods TE 383	3
Methods of Teaching ESL TE 456	3
Teach Read & Lang Arts in Biling/ESL Class TE 453	3
Senior Practicum TE 412	1
Developing Content Area LiteracyGrades K-8 TE 406	3
Elementary Social Studies Curriculum & Instruction TE 417	3
Elementary Mathematics Curriculum & Instruction TE 418	3
Elementary Science Curriculum & Instruction TE 419	3
Elementary School Student TeachingIntermediate TE 472	8
Elementary Student Teaching in Biling Class TE 474	8
Elective	3
Total	41
Total Hours	140

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 Department of Education Professional School Personnel Certification Standards, revised July 1, 1993, and are listed under "Standards for Subject Area Endorsements on Standard/Advanced Secondary Certificates," from page 17 through page 21. 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 Advising Office.

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, Business Education, Agriculture, Basic Business or Marketing and have not fewer than nine semester hours to include six semester credit hours in economics and three semester credit hours in a course designed for the average consumer.

DRAMA— Not less than sixteen semester credit hours in drama. The remainder to be 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, three semester credits in American 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 at the 200 level or above.

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, 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 work 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— Twenty semester credit hours to include at least eight semester credit hours in chemistry and eight semester 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 in reading with course work in each of the following areas: foundations of/or developmental reading, content area reading, corrective/diagnostic/remedial reading, psycholinguistics/language development and reading, literature for children or adolescents. The remainder may be taken from related areas.

SOCIAL STUDIES— Credits to include not less than six semester credit hours in U.S. History and not less than three semester credit hours in American government. In addition, work in at least four of the following fields to be represented: world history, geography, sociology, economics, anthropology and political science.

SPEECH— Not less than twenty semester credit hours to include methods of teaching speech communication, and course work in at least four of the following fields: interpersonal communication/human relations, public speaking, nonverbal communication, group communication, argumentation/persuasion and drama/theatre arts OR hold an English endorsement with at least twelve semester credit hours in speech communication, with course work to include methods of teaching speech communication, public speaking and interpersonal communication/human relations.

SPEECH-DRAMA— Credits spread over both fields with not less than six semester credit hours in each.

In addition to the above, student may select from the following:

SPECIAL EDUCATION, Elementary Emphasis: All students seeking special education endorsement, including students who already possess an elementary or secondary teaching certificate, must meet the department of teacher education admission requirements. Students desiring to teach the disabled 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.

GRADES 1-8 WITH SPECIAL EDUCATION ENDORSEMENT (GENERALIST): 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 (32 Credit Hours)
Education of the Exceptional Child TE 291 3
Teaching in Special Education TE 334 3
Technology in Special Education TE 340 (sub for TE 208) 3
Assessment Procedures in Special Education TE 330.....3
Teach Reading & Written Expression to Handicapped TE 431 (sub for TE 305) 3
Teaching Math and Language to the Handicapped TE 432 3
Teaching Adolescents with Mild Disabilities TE 435 3
Behavior Intervention Techniques TE 450 (sub for TE 457) 3
Spec Educ Student Teach—Students w/Mild Handicaps TE 473.....8
Total 32

NOTE: This endorsement contains 32 credits of Special Education courses. Of these, 20 apply directly to BA requirements.

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 Students with Moderate & Severe Disabilities TE 423 3
Spec Educ Student TeachingStudents w/Severe Handicaps TE 476.....8
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 EDUCATION (ECE) ENDORSEMENT:

REQUIRED COURSES
Foundations of Early Childhood Education TE 261 3
Internship in Early Childhood Educ TE 293 & TE 493 (sub for TE 271).....2
Child Behav & Guide in Early Childh Educ TE 361 (sub for TE 457) 3
Curriculum and Program Planning in ECE TE 362 3
Assessment and Program Planning in ECSE TE 445 3
Family and Community Relations TE 460 3
Infant Education TE 463-463G 3
Creative Materials in Early Childhood Educ TE 465 3
Elem Sch Stu Teach—Preschool/Kindergarten/Primary TE 470/471.....8
Total 31

NOTES: This emphasis contains 31 credit hours of Early Childhood Education requirements. Of these, 13 apply directly to BA requirements.
Upper division American Government (3 credits) is waived for students completing this endorsement.
A K-3 teaching certificate may be obtained after completing the requirements for the Early Childhood Endorsement and student teaching in TE 470 and TE 471.

EARLY CHILDHOOD—SPECIAL EDUCATION (ECSE) ENDORSEMENT: This program is designed to provide an endorsement under Special Education. Students desiring to teach preschool handicapped children will be recommended for the endorsement upon completion of the program. The program is designed to provide the student with entry level skills necessary to teach in early childhood special education settings. This program includes 21 semester hours of course work which will provide students with a wide range of both theoretical and practical experiences.

REQUIRED COURSES
Educ of the Except Child TE 291 3
Child Behavior & Guide Early Childhood TE 361 3
Assessment & Prg Plan Early Chldhd Spec Educ TE 445 3
Meth & Curr Early Chldhd Spec Educ TE 446 3
Early Lang Assessment & Interv TE 447.....3
Behavior Interv TE 450-450G 3
Practicum Early Chldhd Spec Educ TE 490 3
Total 21

Recommended Elective
Curr and Program Planning in ECE TE 362 3

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 elementary education and specialized studies.
3. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the department of elementary

education and specialized studies. 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 and the Idaho State Department of Education, Office of Teacher Certification.
5. Students with previously earned degrees may develop individual programs approved by the department of elementary education and Specialized Studies. 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.

Teacher Education
Department of Foundations, Technology and Secondary Education

Education Building, Room 203
Telephone (208) 385-1672

Chair and Professor: Virgin M. Young; *Professors:* Bieter, Friedli, Lyons; *Associate Professors:* Anderson, Christensen, Thorsen; *Assistant Professors:* Armstrong, Dubert, Pollard, Rogien.

Degrees Offered

Elementary Education Degrees

- B.A. in Elementary Education
- B.A. in Elementary Education, Bilingual-Multicultural

Secondary Education Professional Courses for Teacher Certification in Grades 6-12

Undergraduate students seeking secondary certification must complete a bachelor's degree within the university department offering the content courses in their chosen subject area. Professional coursework for the secondary education option is taken in the department of foundations, technology and secondary education.

Students seeking secondary certification and who already hold a B.A. or B.S. degree must apply to the BSU Graduate Admissions Office. The Graduate Admissions Office will notify the applicant when to contact the department of foundations, technology and secondary education. Academic advising and program coordination for post-B.A./B.S. Teacher Education applicants is conducted by the department of foundations, technology and secondary education.

Graduate Degrees

- Master of Arts/Science in Education with emphasis in:
  Art, Curriculum and Instruction, Earth Science, Educational Technology, Mathematics.
- Doctor in Curriculum and Instruction

The specifics of the programs are presented in the *Graduate College Catalog.*

Department Statement

Effective teachers are reflective practitioners who adjust their teaching approaches and learning environment to the needs and backgrounds of their students. The programs in Teacher Education are designed to assist students in developing the knowledge, skills, values and dispositions essential for success in teaching. The programs are based on two assumptions: that successful teachers are committed to acquisition of and continuous renewal of knowledge in the substantive areas they teach; and they are also committed to development of pedagogy conducive to a high level of achievement for all students. Therefore, coursework combines content knowledge with the study of curriculum and methodology. Theories of learning and human development are examined so that teachers who complete this program will be able to make effective instructional decisions.

To prepare potential teachers with these skills requires coursework and experiences that will acquaint them with the rich diversity they will find in their classrooms. Thus, the teacher will develop dispositions to accept the challenge of teaching all students.

The programs in Teacher Education emphasize the development of values aimed at a healthy society within a global community. Exemplary teachers accept the importance of educating a citizenry who will contribute to society as caring, responsible and thoughtful citizens.

Secondary Education Options

Admission to Secondary Teacher Education:

Students preparing to become secondary school teachers must apply and be accepted for Admission to Secondary Teacher Education. **Admission to Secondary Teacher Education is required before a student may enroll in upper division Teacher Education courses and all admission requirements must be completed before admission will be granted.** Applications are made through the Teacher Education Office of Professional Field Experiences in Room E-306.

Admission Schedules: Application for Admission to Secondary Teacher Education is limited to two specific times each year. **Completed applications must be filed by September 15th or February 15th of the semester during which the admission requirements are being completed.** Applications received after those dates will be processed during the following semester.

Students who have already earned a B.A. or B.S. degree will be granted "Provisional Admission to Secondary Teacher Education" during their first semester at BSU. During this semester, they must complete all requirements for regular Admission to Secondary Teacher Education. These include all of the professional and academic requirements described below, including the Professional Writing Assessment (EQE). Students who fail to satisfy any one of these requirements during the first semester at BSU will not be granted regular Admission to Secondary Teacher Education.

Admission Requirements: Requirements for Admission to Secondary Teacher Education shall be determined and implemented by the Teacher Education faculty and administered by the Office of Professional Field Experiences. **Students are not to apply for Admission to Secondary Teacher Education until they have completed all the requirements for admission.** It is the responsibility of the individual student to provide the Office of Professional Field Experiences with transcripts and other documentation to show that those requirements have been completed. The requirements are as follows:

1. Filing of the Admission to Secondary 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 grade of Pass in TE 172 Introduction to Secondary Teaching: Classroom Observation, or its equivalent.
5. Passing an English writing skills examination to be administered by the department of teacher education. The Professional Writing Assessment is administered by the department to determine specific writing problems. The EQE may be retaken after remediation, but no more than two additional times. (This is not the same as the Minimal English Competency Exam administered by the English department.)
6. FOR THOSE SEEKING ENDORSEMENT IN SPECIAL EDUCATION: A passing score on a mathematics competency examination administered by the department of elementary education and Specialized Studies. This test should be taken soon after enrolling at Boise State University.

The mathematics competency examination may be retaken after remediation, but no more than two additional times. (This is not the same as the Mathematics Placement Exam given by the mathematics department.)

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-1992, 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 foundations, technology and secondary education.
3. A recommendation by the Dean of the College of Education indicating that the candidate has the approval of the department of 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 and the Idaho State Department of Education, Office of Teacher Certification.
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
Educating Exceptional Secondary Age Students TE 333	1	1
*Educational Technology TE 356	2	2
Reading in the Content Subjects TE 407	3	3
Educational Psychology TE 225	3	3
Secondary School Methods TE 381	3	3
Special Methods required by Major Dept	(varies by major)	
Junior High Student Teach Dual Option TE 482	-	8
Senior High Student Teach Dual Option TE 483	-	8
Junior High Student Teaching: Single Option TE 484 or	10	-
Senior High Student Teaching: 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.

Admission to Student Teaching in Secondary Education: An application for a specific student teaching assignment must be filed with the Office of the Coordinator of Field Services by:

1. March 1st for students desiring to student teach in the fall.
2. October 1st for students desiring to student teach in the spring.

Student teaching is scheduled through the Office of the Coordinator of Field Services, and application forms may be obtained from that office.

Students must give six weeks notice prior to the beginning date for student teaching if they wish to withdraw their application for student teaching.

General requirements for Admission to Student Teaching in Secondary Education include the following:

1. Admission to Secondary Teacher Education.
2. Recommendation of the faculty advisor or department chair.
3. A minimum grade point average of 2.50.
4. A minimum grade point average of 2.50 in the major field, minor field if applicable and in all required Education courses.
5. Approval by the Teacher Education Professional Standards Committee.
6. Minimum grade of "C" in TE 381 Secondary School Methods and in any special methods courses taken.
7. Major field completed.
8. Minor field completed.
9. Education courses completed.
10. Senior standing.
11. Sufficient credit hours in the assigned area(s).
12. A passing score on all three parts of the National Teachers Exam (NTE) Core Battery: General Knowledge, Communication Skills and Professional Knowledge. Students should take the NTE twelve months in advance of the semester during which they intend to student teach. NTE application forms are available from the BSU Counseling and Testing Center.

The NTE is administered at BSU in March, June and October of each year. Students are responsible for making application to take the tests and they are responsible for their own test fees. NTE applications must be mailed to Princeton, New Jersey, at least six weeks prior to the testing date.

Minimum passing scores are those set by the Idaho State Board of Education for certification in Idaho.

Students should direct the Educational Testing Service (ETS) to send their scores to the Teacher Education Office of Professional Field Experiences, Boise State University and to the Certification Office of the Idaho State Department of Education.

Secondary Teacher Certification

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 230	5
Microbiology B 205	4
Elective course in Botany	4
Elective course in Zoology	3-4
Total	20-21

CHEMISTRY

College Chemistry & Labs C 131,132,133,134	9
Organic Chemistry & Lab C 317,318	5
Additional Courses in Analytical, Physical, Inorganic or Biochemistry	7
Total	20-22

CLASSICAL LANGUAGES - LATIN
Requirements for Minor Certification Endorsement in Latin:

Latin Language courses (The State Department of Education requires 20 hours in the language for a Minor Certificate Endorsement)
Elementary Classical Latin Lang & Lit LA 211 4
Advanced Classical Latin Lang & Lit LA 212 4
Early Church Latin Literature LA 323 3
Medieval Latin Literature LA 324 3
Advanced Latin Tutorial-Augustan Age LA 491 3
Advanced Latin Tutorial-Constantinian Era LA 492 3
Total 20

The State Department of Education requires 20 credit hours in language study for a Minor Certification Endorsement to teach in Idaho secondary schools. The 20 credits in Latin Language courses for the academic Minor in Latin Language & Literature are sufficient for state certification. However, it is strongly recommended that students earn at least 9 additional credits from the history and culture courses listed above to give themselves a firm grounding in the ancient and medieval civilizations using the Latin language.

History & Culture Courses: Ancient Rome HY 320, Survey Western Art AR 101; Mythology E 217; Early Christianity HY 323, Medieval Europe HY 324; European Seminar on Augustus & the Golden Age of Rome HY 481; European Seminar on Constantine & the Late Roman Empire HY 481; European Colloquium on the Age of the Cathedrals HY 381; Ancient Philosophy PY 305; and Medieval Philosophy PY 307.

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 Microeconomics EC 205 3
Principles of Macroeconomics EC 206 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 writing proficiency review 0
Total 24

FOREIGN LANGUAGE

French
Required 19 Credits:
Elementary French F 101-102 8
200 Level Courses Totaling 8
Second Foreign Lang Methods TE 383 3
Electives 3 credits:
Advanced French F 303-304 3
Modern Francophone Civilization and Culture F 377 3
Total 22

German
Required 19 credits:
Elementary German G 101-102 8
Intermediate German G 201-202 8
Second Foreign Lang Methods TE 383 3
Electives 3 credits
Advanced German G 303-304 3
German Culture and Civilization G 377 3
Total 22

Spanish
Required 22 credits:
Elementary Spanish S 101-102 8
Intermediate Spanish S 201-202 or S 203 8
Second Foreign Lang Methods TE 383 3
Advanced Spanish Conversation & Composition 3
Electives 3 credits:
Advanced Spanish Conversation & Composition S 304 3
S 376, 377 or 385 3
Total 25

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
Standard First Aid & CPR PE 121 1
First Aid Instr Trgn 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
Death: Confront Everyone P 291 3
Psychology of Aging P 313 3
Total 22

HEALTH EDUCATION MINOR FOR PHYSICAL EDUCATION MAJORS
First Aid Instr Trgn 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
Death: Confront Everyone P 291 3
Psychology of Aging P 313 3
Total 13

HISTORY
Lower Division 12
US Hist HY 151-152 or Prob in US Hist HY 251-252 6
West Civ HY 101-102 or Prob in West Civ HY 201-202 3
American National Government 3

Upper division Courses to include 3 credit hours of US History with remaining 9 credit hours selected from 2 or 3 major History areas U.S., European, Third World 12

Total 24

MATHEMATICS

Introduction to Computer Science I 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

MUSIC

Instrumental Track

Materials of Music MU 119-120 6
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 30

Choral Track

Materials of Music MU 119-120 6
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 26

NATURAL SCIENCE

Complete the basic sequence of courses in
BT 130 and Z 230 9
Chemistry C 107,108-109,110 9
Geology GO 101-103 8
Physics PH 101-102 8

Total 34

PHYSICAL EDUCATION

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-Athletic Training PE 293 3
Conditioning Procedures PE 313 2
Psycho/Social 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-Athletic Training PE 493 3
Health Promotion PE 417 3

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 1 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:
Standard First Aid & CPR PE 121 1
Intro Athletic Injuries PE 236 3
American Red Cross Certification in First Aid-CPR 0
One Coaching Methods Course selected from:
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
Internship in Coaching Youth Sports PE 293 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/Social Aspects of Sport PE 401 3
Coaching, Nature of Profession PE 430 2
One Coaching Methods selected from:
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
Two skills courses that complement coaching methods courses: ..... 1+1
Internship "Interscholastic Athletics" PE 493 3

Total 22-30

K-12 Endorsement for Physical Education Majors

Child Psychology P 211 3
Elem School PE Methods PE 361 3
Elementary Student Teaching-Specialty Area TE 477 4-8

Total 10-14

PHYSICAL SCIENCE

College Chemistry & Labs C 131,132-133,134 9
General Physics PH 101-102 8
Intro Descriptive Astronomy PH 105 4

Total 21

POLITICAL SCIENCE

American National Government PO 101 3
Contemporary Political Ideologies PO 141 3
International Relations PO 231 3
PO 321 or 324 or 329 or 333 3
American History HY 151-152/251-252 6
Upper division Political Science Electives 3

Total 21

PSYCHOLOGY

General Psychology P 101	3
Statistical Methods P 295	3
Abnormal Psychology P 301	3
Personality P 351	3
Psychology Upper division Electives	9
Total	21

SOCIOLOGY

Introduction to Sociology SO 101	3
Social Statistics SO 310	4
Social Research SO 311	3
Sociological Theory SO 400	3
Sociology Electives	9
Total	22

THEATRE ARTS

Technical Theatre TA 117-118	8
Acting TA 215	3
Major Production Participation TA 331	1
World Drama TA 341 or 342	3
Directing TA 401	3
Theatre History TA 421 or 422	3
Total	21

Course Offerings

See page 4 for definition of course numbering system.

GE GENERAL EDUCATION

Lower Division

GE 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.

GE 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).

GE 103 LIBRARY SKILLS II (0-2-1). Build on LS 102 Library Skills I and introduces additional and more sophisticated library materials and techniques. PREREQ: Prior or concurrent enrollment in GE 102.

GE 108 READING AND STUDY SKILLS (2-0-2)(F/S). 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 skill areas are included: time management, main ideas processing, textbook reading, note taking, test taking and library use. (Pass/Fail).

GE 114 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.

GE 115 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.

GE 116 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.

LS LIBRARY SCIENCE COURSES

Lower Division

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 book and non-book materials. Includes discussions of discarding and weeding and materials for slow and gifted readers. PREREQ: LS 201 or PERM/INST.

LS 331 CATALOGING AND CLASSIFICATION (3-0-3)(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.

TE TEACHER EDUCATION

Lower Division

TE 071 CAREER ORIENTATION FOR ELEMENTARY EDUCATION (1-0-0)(F/S). The students will receive an orientation to the field of Elementary Education including the nature of elementary teaching, expectations of the profession, its specialty areas and related career possibilities. They will also receive information about the nature of the Elementary Education programs and their specific requirements. Each student will be given an aptitude test to assist in advising. (Graded pass/fail).

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 BILINGUAL EDUCATION/ESL (3-0-3)(F). This course is designed to give students a background in the psychological, legal and cultural foundations of Bilingual Education and teaching English as a Second Language. Students receive an overview of current trends in the field learning and in the preparation needed to be a Bilingual Education/ESL teacher.

TE 208 EDUCATIONAL TECHNOLOGYCLASSROOM APPLICATIONS (2-2-3). This course emphasizes basic but essential skills and technology needed for using computers in both planning and teaching. Students will become familiar with a variety of curricular software; use word processing, data base applications, spreadsheet programs and graphics to produce sample classroom materials; use CD-ROM technology as library tools; and become competent in basic video operations. PREREQ: Elementary or secondary education majors only. Satisfactory completion of a computer competency test administered by the Teacher Education computer lab. $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 225 EDUCATIONAL PSYCHOLOGY (3-0-3). This course provides an introduction to educational psychology, emphasizing the application of selected principles of psychology to instruction. Specific topics include theories of learning; cognitive development; motivation and self-concept; and educational measurement.

TE 261 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION (3-0-3)(F). This course explores the historical and current principles and practices of early childhood education. The student will study program models, curriculum designs, ethics, public policy and the teaching-learning process of the young child. Emphasis will be on the young child of age 3-8. COREQ: TE 293 Internship in ECE.

TE 271 FIELD EXPERIENCEELEMENTARY TUTORING (1-3-2)(F/S). This course will provide students with an opportunity to work with elementary-age students in a personal and helping relationship, while observing the work of an experienced teacher and the interactions of elementary children. Students will participate in seminars and a minimum of 45 hours of tutoring experience in a pre-school, kindergarten, primary, upper grade, or special education classroom. PREREQ: TE 071, TE 201. Pass/Fail.

TE 278 MEXICAN AMERICAN TRADITION AND CULTURE (3-0-3)(S). This class provides an exploration of Mexican American traditions and culture. It explores the history and the Mexican American people including their influence on contemporary American language, customs and beliefs as related to the Mexican American and educational institutions. This course may be taken for either TE or SO credit but not both.

TE 291 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3). The course shall provide students with an overview of the exceptional child's educational, social and psychological needs. Special emphasis will be placed on the period from birth through childhood and adolescence. Additional topics include service delivery systems in the schools and community, as well as legal considerations.

Upper Division

TE 304 INTEGRATED LANGUAGE ARTS (3-0-3)(F/S). This course serves as the foundation for the sequence of literacy courses in the Elementary Education program. The content of the course provides pre-service elementary classroom teachers with the knowledge they need to assess and provide children with appropriate language instruction. The general areas of emphasis include oral language development, written language development, phonics and grammar terminology and an introduction to theories of teaching reading and the language arts. This course fulfills the language arts methods requirement. PREREQ: Admission to Teacher Education.

TE 305 TEACHING DEVELOPMENTAL LITERACY GRADES K-8 (3-0-3)(F/S). This is a curriculum and methods course that explores the integration of developmental reading with the other language arts (writing, speaking, listening and viewing). Students will investigate a reading and language arts curriculum that is child-centered, literature and activity based, context and writing rich and communication focused. A broad spectrum of instructional resources will be examined, including but not limited to basal readers, trade books, magazines and other supplementary materials. PREREQ: Admission to Teacher Education and TE 304.

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. PREREQ: Admission to Teacher Education.

TE 322 IDENTIFICATION & DIAGNOSIS OF LIMITED ENGLISH PROFICIENT STUDENTS (2-0-2)(F). Students become familiar with language proficiency tests and theory. A variety of language assessment instruments currently in use are reviewed. Students learn to administer and interpret the results of these instruments in order to place language limited children in the proper level of Bilingual Education or ESL study. Students may be assigned to local public schools to gain practical experience in administering the assessment instruments studies. PREREQ: Admission to Teacher Education and S 202; PREREQ or COREQ: TE 202.

TE 330 ASSESSMENT PROCEDURES IN SPECIAL EDUCATION (3-0-3)(F). This course shall provide student with the skills required for assessment in special education. As part of the course students will demonstrate skills in selection and administration of tests as well as the interpretation of the test results. PREREQ: Admission to Teacher Education.

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. PREREQ: Admission to Teacher Education.

TE 334 TEACHING IN SPECIAL EDUCATION (3-0-3)(F). The course is designed to provide the prospective special education teacher with an overview of the profession, including federal and state laws, regulations and policies, the referral and qualification process; IEP development and implementation; program coordination; parents and the interdisciplinary team; professional organizations; and legal and ethical dilemmas. PREREQ: Admission to Teacher Education.

TE 340 TECHNOLOGY IN SPECIAL EDUCATION (2-2-3)(F/S). This course introduces students to uses of computers and technology that are especially valuable for individuals with special needs. Students will become familiar with a variety of curricular software uses including word processing, data bases and spread sheet applications and adaptations. Other uses and adaptations of technology for special learnerssuch as CD-ROM, communication approaches, adaptive equipment and video operationswill be studied. PREREQ: Admission to Teacher Education. Satisfactory completion of a computer competency test administered by the Teacher Education computer lab. $10.00 lab fee.

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: Admission to Teacher Education. 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. PREREQ: Admission to Teacher Education.

TE 358 CORRECTIVE READING (3-0-3)(F,S). 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: Admission to Teacher Education and TE 305.

TE 361 CHILD BEHAVIOR AND GUIDANCE IN EARLY CHILDHOOD (3-0-3)(F). The influence of the home and school environments will be examined in relation to child behaviors. Physical, social, emotional and cognitive domains will be addressed for both typical and atypical development. Parent and teacher manuals will be examined in relation to management theories and appropriateness in guiding young children's behavior. PREREQ: Admission to Teacher Education, P 101 and TE 291 or PERM/INST. COREQ: TE 493 Internship in ECE.

TE 362 CURRICULUM AND PROGRAM PLANNING IN ECE (3-0-3)(S). This course explores the content organization of the early childhood classroom. The student will learn how to select objectives, organize content through an integrated approach, select appropriate learning activities and assess both children's growth and program effectiveness. Emphasis will be on the young child age 3-8. PREREQ: Admission to Teacher Education.

TE 372 TEACHING IN THE CULTURALLY DIVERSE CLASSROOM (3-0-3)(F/S). The students will investigate cultural diversity in the United States from a historical and demographic perspective and how the educational system has responded to them. Students will study different educational approaches such as multicultural, pluralistic and bilingual education, and analyze curriculum and appropriate pedagogy for the culturally diverse learner. Particular attention will be given to Hispanic and other regional minorities. PREREQ: Admission to Teacher Education. COREQ: TE 373.

TE 373 PRACTICUM; AT-RISK CHILDREN IN THE COMMUNITY (0-2-1)(F/S). This practicum will focus on at-risk children/youth and their families and the community agencies that serve them. Students will work with specific agencies serving their students and their families. PREREQ: Admission to Teacher Education. COREQ: TE 372.

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 383 SECONDARY FOREIGN LANGUAGE METHODS (3-0-3). Students participate in discussions of problems of learning a foreign language. Current approaches to language teaching are explored. This knowledge is applied to practical activities, cultural presentations, teaching aids and resource material. PREREQ: Six upper division credits in one foreign language or PERM/INST. 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 406 DEVELOPING CONTENT AREA LITERACYGRADES K-8 (3-0-3)(F/S). Students will learn strategies for extending the development of literacy skills to the learning tasks demanded by the various academic disciplines. Emphasis will be placed on ways to assist learners in developing comprehension and study strategies and ways to respond to academic concepts through the language arts. Current practices and issues in the assessment of literacy will be studied. PREREQ: Admission to Teacher Education; TE 304, TE 305. COREQ: TE 412, TE 417, TE 418, TE 419.

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: Admission to Teacher Education and TE 201.

TE 408 INTEGRATING TECHNOLOGY INTO CLASSROOM CURRICULA (3-0-3) (F/S). Using both stand-alone and network computer systems, students will develop classroom strategies for integrating computers and selected software into lesson and unit plans; use CD-ROM, video disk, video technology and overhead projection panels as part of instructional lessons; and access communications applications and data bases via modems. PREREQ: TE 208; Admission to Teacher Education. $10.00 lab fee.

TE 412 SENIOR PRACTICUM (0-2-1)(F/S). This course provides opportunities for students to practice previously learned techniques in appropriate school settings. The students will also be able to examine grade level appropriate materials and curricula as they exist in local schools. Students are expected to observe and assist classroom teachers by developing and delivering lessons to individuals, small groups and whole classes, possibly in cooperation with other practicum participants. PREREQ: Admission to Teacher Education. COREQ: TE 406, TE 417, TE 418 & TE 419.

TE 416 ELEMENTARY LANGUAGE ARTS CURRICULUM AND INSTRUCTION (3-0-3). Students will examine various frameworks for teaching and learning language arts. Current theory and research on language and literacy development will be explored. Instructional methods, materials, technology and an appropriate environment that encourages the emergent development of children's writing, reading, listening, speaking and viewing strategies will be applied and evaluated. Alternative methods for assessment and evaluation of language arts learning will be described and utilized. PREREQ: Admission to Student Teaching. COREQ: TE 406, TE 412, TE 417, TE 418, TE 419.

TE 417 ELEMENTARY SOCIAL STUDIES CURRICULUM AND INSTRUCTION (3-0-3). Elementary social studies curriculum, philosophy and goals are examined. A variety of instructional methods and materials are presented and evaluated in accordance with developmental theory. Emphasis is placed on multicultural education, global issues and values in a democratic society. These areas are integrated across the curriculum through lesson plans and units that emphasize process teaching, critical thinking, technology and assessment. PREREQ: Admission to Student Teaching. COREQ: TE 406, TE 412, TE 418, TE 419.

TE 418 ELEMENTARY MATHEMATICS CURRICULUM AND INSTRUCTION (3-0-3). Elementary mathematics curriculum, philosophy and goals are examined, and instructional methods and materials designed to achieve the goals are presented. Students develop activities, lessons and units consistent with the developmental stages of children and the nature of mathematics. Development and assessment of problem solving skills and appropriate applications of manipulatives and technology are emphasized. PREREQ: M 103, M 104, Admission to Student Teaching. COREQ: TE 406, TE 412, TE 417, TE 419.

TE 419 ELEMENTARY SCIENCE CURRICULUM AND INSTRUCTION (3-0-3). Elementary science curriculum philosophy and goals are examined, and instructional methods and materials designed to achieve the goals are presented. Students develop activities, lessons, and units consistent with the developmental stages of children and the nature of science. Development and assessment of science process skills and concept acquisition through the use of "hands-on" activities and technology are stressed. PREREQ: M 103, M 104, Admission to Student Teaching. COREQ: TE 406, TE 412, TE 417, TE 418.

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, 330. Admission to Teacher Education.

TE 423-423G TEACHING STUDENTS WITH MODERATE AND SEVERE DISABILITIES (3-0-3)(S). This course is an overview of program development and instructional techniques appropriate for students who have moderate to severe disabilities. Major emphasis is on the development of functional programming within integrated educational settings. 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 330 or PERM/INST. Admission to Teacher Education.

TE 435 TEACHING ADOLESCENTS WITH MILD DISABILITIES (3-1-3)(S). The course is designed to familiarize prospective educators with specific methods and strategies for assisting adolescents who display learning and behavior problems. Topical areas include the referral process, service delivery approaches, collaborative techniques, and numerous instructional strategies. A 30 hour practicum in a secondary public school site is required. PREREQ: Admission to Teacher Education.

TE 445 ASSESSMENT AND PROGRAM PLANNING IN EARLY CHILDHOOD SPECIAL EDUCATION (3-0-3)(F). This course presents an overview of assessment procedures appropriate to preschool children with handicaps. The course also provides information for working with families of handicapped children and the procedures used in the development of preschool individualized Education Programs. PREREQ: Admission to Teacher Education, TE 291 or PERM/INST.

TE 446 METHODS AND CURRICULUM IN EARLY CHILDHOOD SPECIAL EDUCATION (3-0-3)(S). Program development in early childhood special education, including intervention approaches; curriculum determination; service delivery options; intervention strategies; and instructional materials selection and adaptation. PREREQ: Admission to Teacher Education, TE 291 or PERM/INST.

TE 447 EARLY LANGUAGE ASSESSMENT AND INTERVENTION (3-0-3)(S). Students will examine typical and atypical language development of young children. Topics will include language acquisition theories, informal and formal assessment procedures, and intervention approaches. PREREQ: Admission to Teacher Education, TE 291 and TE 361 or PERM/INST.

TE 450-450G BEHAVIOR INTERVENTION (3-0-3)(F). This course provides an introduction to the theoretical principles of behavior and the development of practical applied behavior analysis procedures with children from the preschool years through adolescence. As part of the course students will develop, implement and evaluate a field-based applied behavior analysis project. PREREQ: Admission to Teacher Education.

TE 453 TEACHING READING AND LANGUAGE ARTS IN THE BILINGUAL/ESL CLASSROOM (3-0-3)(F). Students develop an understanding of various approaches to reading instruction that are effective in the bilingual/English as a Second Language classroom. The class includes review of materials, media, and development of criteria for selection of appropriate instructional materials. Instruction is given in both English and Spanish. PREREQ: S 202, TE 305 or PERM/INST. 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). This course teaches current approaches and resources regarding the teaching of ESL. A variety of classroom organizational patterns conductive to language learning are discussed. Problem solving strategies for dealing with issues and problems regarding the development of communicative competency are addressed. PREREQ: TE 202, Admission to Teacher Education.

TE 457 CLASSROOM MANAGEMENT SKILLS (3-0-3)(F/S). This course is designed to help prospective teachers develop an approach to classroom management. The course of study will focus on ecological factors that contribute to a positive classroom atmosphere, including the teacher, the student, the school, and

parents. The course will emphasize principles that strengthen desirable behavior and reduce inappropriate behavior for individuals and for groups of students. PREREQ: P 211, TE 225, Admission to Teacher Education.

TE 460 FAMILY AND COMMUNITY RELATIONS (3-0-3)(F). This course prepares students of teacher education to understand the diverse parent community and become knowledgeable about effective home-school-community relations. Parent education models and community resources are examined for both home and school needs. PREREQ: Admission to Teacher Education.

TE 463-463G INFANT EDUCATION (3-0-3)(S). The physical, social, emotional, and intellectual development of the infantage birth to threewill be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development. PREREQ: Admission to Teacher Education

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. PREREQ: Admission to Teacher Education.

TE 470 ELEMENTARY SCHOOL STUDENT TEACHING—PRE-SCHOOL/ KINDERGARTEN (1-15-8)(F/S). Supervised student teaching in a preschool or kindergarten setting. Seminars required. PREREQ: Admission to Student Teaching; required coursework in early childhood education and approval for placement in a preschool or kindergarten setting; restricted to students seeking the Early Childhood Endorsement. (Pass/Fail).

TE 471 ELEMENTARY SCHOOL STUDENT TEACHING—KINDERGARTEN/ PRIMARY (1-15-8)(F/S). Supervised student teaching in a kindergarten or primary grade setting. Seminars required. PREREQ: Admission to Student Teaching; student teaching in kindergarten is restricted to those seeking the Early Childhood Endorsement.(Pass/Fail).

TE 472 ELEMENTARY SCHOOL STUDENT TEACHING—INTERMEDIATE (1-15-8) (F/S). Supervised student teaching in an intermediate grade setting. Seminars required. PREREQ: Admission to Student Teaching. (Pass/Fail).

TE 473 SPECIAL EDUCATION STUDENT TEACHING—STUDENTS WITH MILD HANDICAPS (1-15-8) (F/S). Supervised student teaching in a special education program for students with mild handicaps. Seminars required. PREREQ: Admission to Student Teaching; required course work in special education and approval for placement in a special education setting. (Pass/Fail).

TE 474 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (1-15-8)(F). This course includes observation of teaching in bilingual classrooms at various 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: Admission to Student Teaching; required work in bilingual education and approval for placement in a bilingual education setting. (Pass/Fail).

TE 476 SPECIAL EDUCATION STUDENT TEACHING—STUDENTS WITH SEVERE HANDICAPS (1-15-8)(F/S). Supervised student teaching in a special education program for students with severe handicaps. Seminar required. PREREQ: Admission to Student Teaching, required coursework in special education, and approval for placement in special education setting. (Pass/Fail).

TE 477 ELEMENTARY STUDENT TEACHING—SPECIALTY AREA (1-15-8) or (1-8-4)(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; required coursework in specialty area and approval for placement in an appropriate classroom setting. (Pass/Fail).

TE 478 ELEMENTARY SCHOOL STUDENT TEACHING—EARLY CHILDHOOD SPECIAL EDUCATION (1-15-8)(F/S). Supervised student teaching in an early childhood special education setting. Seminars required. PREREQ: Admission to Student Teaching; required coursework in early childhood special education and approval for placement in an early childhood special education classroom. (Pass/Fail).

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. (Graded 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. (Graded 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. Graded pass/fail.

TE 485 SENIOR HIGH SCHOOL STUDENT TEACHING: SINGLE OPTION (1-20-10)(F/S). Supervised student teaching in the senior high school. The student will be placed with a cooperating teacher for ten weeks (full-time) in his/her major/minor field under the supervision of University faculty. Seminars are required. PREREQ: Admission to student teaching.

TE 490 PRACTICUM IN EARLY CHILDHOOD SPECIAL EDUCATION (0-20-3). Students enrolling in this course shall be placed in an education program designed for the preschool handicapped. Specific needs of the individual student shall dictate placement and the type of experiential exposure. It is the intent of this course to develop a person with the skills required to teach the preschool handicapped. PREREQ: Admission to Teacher Education. PERM/INST.

Graduate

See *Graduate College Catalog* for course descriptions.

Department of Theatre Arts

Morrison Center, Room C-100
Telephone (208) 385-3957

Chair and Associate Professor: Stephen R. Buss; *Professors:* Lauterbach, Shankweiler; *Associate Professor:* Atlakson; *Assistant Professors:* Baltzell, Hansen, Hoste, Klautsch; *Special Lecturer:* Fee

Degrees Offered

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

Degree Requirements

THEATRE ARTS
Bachelor of Arts Degree

General University Requirements

1. Theatre Symposium TA 010, required each semester of every Theatre Arts Major.
2. Fitness Activity Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.) 2
3. Area I Credits 12
   - Intro to Theatre TA 107 3
   - Intro to Art or Music AR 103, MU 133 3
   - Dramatic Literature 3
   - Elective Literature Course 3
4. Area II Credits 12
   - History of Western Civilization HY 101, 102 6
5. The department recommends that Theatre Arts majors take one year of Foreign Language and Reading and Study Skills TE 108.

Major Subject Requirements

- Theatre Symposium TA 010 0
- Play Analysis TA 105 3
- Introduction to Theatre TA 107 3
- Technical Theatre TA 117-118 8
- Acting (Lower Division) TA 215 3
- Major Production Participation TA 231 2
- Stage Voice TA 233 2
- World Drama TA 341, 342 6
- Directing TA 401 3
- Theatre History TA 421, 422 6
- Contemporary Theatre TA 445 3

39

The above Theatre Arts basic courses will be required of all students. In addition the student will select one of the following options no later then the end of the Sophomore year:

I. PERFORMANCE OPTION

- Acting TA 216, TA 311 6
- Stage Voice TA 234, TA 335 4
- Movement & Dance Perform Artist TA 212, 412 3
- Major Production Participation TA 331 2

Total 15

II. DESIGN OPTION

- Elements of Scene Design TA 351 3
- Costume Design TA 352 3
- Stage Lighting Design TA 362 3
- Drawing AR 111 or Stage Make-up TA 162 ..... 2 or 3
- Major Production Participation TA 331 2

Total 13 or 14

III. PLAYWRITING/CRITICISM

- Playwriting TA 340 (Two Semesters) 6
- Acting TA 216 3
- Stage Voice TA 234 2
- Major Production Participation TA 331 2

Total 13

IV. DIRECTING

- Directing TA 402 3
- Acting TA 216 3
- Stage Voice TA 234 2
- Elements of Scene Design TA 351 3
- Major Production Participation TA 331 2

Total 13

THEATRE ARTS, SECONDARY EDUCATION

- Theatre Symposium TA 010 0
- Play Analysis TA 105 3
- Intro To Theatre TA 107 3
- Technical Theatre TA 117-118 8
- Acting TA 215-216 6
- Major Production Participation TA 231-331 4
- Stage Voice TA 233-234 4
- Movement & Dance for Performance Art TA 212 or 412 3
- Meth Teach Second School Theatre TA 318 2
- World Drama TA 341 3
- Elem of Scenic Design TA 351 3
- Directing TA 401-402 6
- Theatre History TA 421 or 422 3
- Theatre Management TA 440 3
- Shakespeare E 345 or 346 3
- *Theatre Art Elective 3

*Chosen from: TA 162, 352, or TA 362.

Recommended Program

THEATRE ARTS MAJOR
THEATRE EMPHASIS

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101-102	3	3
Theatre Symposium TA 010	0	0
Play Analysis TA 105	3	-
Introduction to Theatre TA 107	-	3
Technical Theatre TA 117-118	4	4
Acting TA 215	3	-
Stage Voice TA 233	2	-
Fitness Activity	-	1
Area III Core	-	4
	15	15
SOPHOMORE YEAR		
Theatre Symposium TA 010	0	0
TA Option TA 216 or TA 351	3	-
TA Option TA 234 or AR 111	2	-
Area III Core	4	-
Major Production Participation TA 231	1	1
Movement & Dance For Perform Artist TA 212/412	3	-
Intro Art or Music AR 103 or MU 133	-	3
History of Western Civilization HY 101, 102	3	3
Area I Core	-	3
Literature Elective Area I Core	-	3
Elective	-	3
	16	16
JUNIOR YEAR		
Theatre Symposium TA 010	0	0
World Drama TA 341-342	3	3

TA Option	3	3
TA Option (Stage Voice TA 335)	2	-
Area II Core	3	3
Area III Core	4	-
Dramatic Literature	-	3
Fitness Activity	1	-
Elective	*3	6

*If TA Option TA 335 is not used.1618

SENIOR YEAR

Theatre Symposium TA 010	0	0
Directing TA 401	3	-
Theatre History TA 421-422	3	3
Contemporary Theatre TA 445	-	3
Major Production Participation TA 331	1	1
TA Option	-	3
Upper Division Electives	3	3
Elective LD or UD	7	5
	17	15

SECONDARY EDUCATION EMPHASIS

	1st SEM	2nd SEM
FRESHMAN YEAR		
English Composition E 101-102	3	3
Theatre Symposium TA 010	0	0
Play Analysis TA 105	3	-
Introduction to Theatre TA 107	-	3
Technical Theatre TA 117-118	4	4
Acting TA 215	3	-
Stage Voice TA 233	2	-
Intro Secondary Teaching TE 172	-	1
Major Production Participation TA 231	1	-
	16	15
SOPHOMORE YEAR		
Theatre Symposium TA 010	0	0
Acting	3	-
Stage Voice TA 233	2	-
Area III Core	-	4
Major Production Participation TA 231	1	-
History of Western Civilization HY 101, 102	3	3
Area II Core	-	3
Literature Elective Area I Core	3	-
Foundations of Education TE 201	3	-
Major Production Participation TA 331	-	1
Methods of Teaching Secondary School Theatre	-	2
	15	16
JUNIOR YEAR		
Theatre Symposium TA 010	0	0
World Drama TA 341	3	-
Stage Movement TA 212 or 412	-	3
Scene Design TA 351	3	-
Educational Psychology TE 225	3	-
Educ Except Secondary Student TE 333	1	-
Read in Content Subjects TE 407	-	3
Area I Core	3	-
Area II Core	-	3
Shakespeare	-	3
Intro to Art or Music AR 103, MU 133	-	3
Major Production Participation TA 331	-	1
	17	16
SENIOR YEAR		
Theatre Symposium TA 010	0	0
Theatre History TA 421	3	-
Educational Technology TE 356	2	-
Secondary School Methods TE 381	3	-
Directing TA 401-402	3	3
Theatre Management TA 440	-	3
Secondary Student Teaching	-	10
Theatre Arts Electives	3	-
	17	16

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See the 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
Nonfiction Writing E 201	
Poetry Writing E 205	
Fiction Writing E 206	
Upper division electives other than English Department drama courses	6
*This requirement cannot be fulfilled by E 297, Special Topics courses.	18

Courses Applying to Both Disciplines

Shakespeare: Tragedies & Histories E 345	3
Shakespeare: Comedies and Romances E 346	3
	6
Total in English Minor for Theatre Arts Major	24

Course Offerings

See page 4 for definition of course numbering system

TA THEATRE ARTS

Lower Division

TA 010 THEATRE SYMPOSIUM (no credit)(F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.

TA 105 PLAY ANALYSIS (3-0-3)(F/S). Analysis of plays, both modern and historical to provide tools for the student to read a text critically and creatively for use in production.

TA 107 INTRODUCTION TO THEATRE (3-0-3)(AREA I). A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature and production techniques.

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

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

TA 210, 410 REPERTORY DANCE (0-3-1)(F/S). A beginning choreography class for the creatively inclined dance student. The class is designed to give the student an opportunity to work with a professional choreographer to learn methods of choreography, to rehearse and to prepare for performance. The student will be required to choreograph a dance piece during the semester. May be repeated once on each level for credit.

TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3). This course is designed to increase a student's capacity and versatility for movement that may be required in all types of theatrical productions. A large amount of material is covered including the basics of: body awareness, strengthening and stretching, partnership, tap, musical theatre, fight choreography, turning, Elizabethan dance, fencing, polkas, waltzes, mazurkas, working with props and movement studies reflecting character and situation.

TA 213 BALLET II (0-3-1)(F/S). An intermediate classical ballet technique class designed as a follow on to FA 121 Ballet I. May be repeated for a maximum of four credits. PREREQ: FA 121 or PERM/INST.

TA 215 ACTING I(3-0-3) (F/S). Beginning level exploration and development of the fundamental creative, physical and analytical skills of acting. Participation in numerous exercises focusing on the elements of the Method of Physical Action vocal and physical responsiveness, objectives, concentration of attention, the Magic "If," communion, sustaining truth and belief, adjusting to obstacles required. The study of basic acting terminology and theory will be augmented by writing assignments and selected reading. Concurrent enrollment in TA 233 required for Theatre Arts majors.

TA 216 ACTING II (3-0-3) (F). Intermediate acting study based on the continued exploration of the elements of physical action and their application to scene work. Class exercises and scenes will reinforce the development of basic acting tools learned in TA 215 and 233 and will introduce methods of analyzing dramatic events, actions, characters, relationships and environments. Preparation and performance of various scenes will be augmented by writing assignments and selected reading. Concurrent enrollment in TA 234 required for Theatre Arts majors. PREREQ: TA 105 and TA 215, or PERM/INST.

TA 220 CINEMA: HISTORY AND AESTHETICS (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form.

TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1). Significant participation in a major college production in some phases of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.

TA 233 STAGE VOICE I (2-1-2)(F/S). An exploration of basic vocal techniques. Students learn vocal anatomy, relaxation techniques and a series of exercises designed to improve breath control, resonance, energy and vocal range. These skills will be applied to a variety of texts to achieve an appreciation of the flexibility of the voice and its ability to respond to language and imagery.

TA 234 STAGE VOICE II (2-1-2)(F/S). Basics of articulation with work on the articulatory mechanisms and individual American-English speech sounds through the International Phonetic Alphabet. Work on specific interpretive techniques of operative word identification and scoring. Speech skills will be applied to works of various poets and playwrights. 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). Designed to offer continual "on-feet" scene study with particular emphasis upon characterization, the interaction of characters and the further exploration of circumstances, properties and environments. Scene projects will be drawn from the modern drama. Class projects will be augmented by writing assignments and selected reading, including play and character analysis. PREREQ: TA 215 and 216, or PERM/INST.

TA 314 BALLET III, ADVANCED TECHNIQUES (0-6-2)(F/S). An advanced classical ballet technique class designed as a follow-on to TA 213, Ballet II. The class is designed for the serious, advanced student and demands the most rigorous discipline. A comprehensive barre is followed by center work that covers adagio, pirouettes, petite allegro, grand allegro, etc. Admission to class by permission of instructor. May be repeated for a maximum of four credits. PREREQ: Two credits of TA 213, Ballet II or PERM/INST.

TA 318 METHODS OF TEACHING SECONDARY SCHOOL THEATRE (2-0-2)(S). Study of methods of teaching acting, play structure and theatre production at the secondary level. Twenty hours of directed observation required. PREREQ: TA 105, TA 216, TA 212 or TA 412.

TA 335 STAGE VOICE (2-0-2)(F/S). Advanced dialects and "character" voices. Interpretative work on vocal reaction in scene studies, verse drama and Shakespeare. Final overview and individual analysis. PREREQ: TA 234 or PERM/INST.

TA 340 PLAYWRITING (3-0-3)(F). Experience in creating a play script for the theatre, culminating in the construction and staged reading of an original one-act. May be repeated for credit.

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

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

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

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

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

TA 415 ACTING STYLES (3-0-3)(F/S). This studio course is a concentrated study in acting styles; scene work from Shakespeare, Restoration, Moliere and absurdists. PREREQ: TA 215, TA 216 and TA 311. May be repeated for credit.

TA 421-422, 421G-422G THEATRE HISTORY (3-0-3)(F/S). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through Elizabethan; the second semester from the Elizabethan period through mid 20th century.

TA 440 THEATRE MANAGEMENT (3-0-3)(S). Operational procedures for high school, university, community and professional theatre. Includes consideration of organization, personnel, budgeting, purchasing, accounting, ticket sales, publicity, audience development, house management and season development. (Even numbered years).

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

TA 491 SENIOR PROJECTS (0-6-3)(F/S). The student will prepare and execute a major creative task in theatre. The student will completely research, plan and execute a theatrical endeavor relative to his emphasis in theatre, culminating with a formally written evaluation of the entire experience. The project, upon completion, will be evaluated and graded by every appropriate faculty member. PREREQ: PERM/CHAIR.

Agricultural Equipment Technology—Nine Month Program

Technical Certificate
Instructors: Ted Brownfield, Chuck Tillman

The Agricultural Equipment Technology Program is designed to prepare students for employment in the repair of equipment used in the production and harvesting of agricultural products. Procedures from troubleshooting to shop overhaul on various types of equipment will be covered. Theory and principles of operation will be stressed including a strong emphasis on safety procedures.

Students will be offered entry into the Agricultural Equipment Technology program two times a school year during the fall and spring semesters, depending on available seating.

PREREQUISITE to entering the Agricultural Equipment Technology program is the basic core mechanics program or the equivalent.

This program is incorporated with the Heavy Duty Mechanics-Diesel Program which allows enhancement of skills.

A minimum grade of "C" is required in all course work to graduate with a technical certificate.

SUBJECTS

Core Block Mechanics CB	8

First Eight Week Block	Fall	Spring
*Engine Component Systems DM 157	5	-
*Power Take-Off & Drive Lines DM 161	2	-
*Engine Fuel Systems DM 158	2	-
Total	9	
Second Eight Week Block		
*Clutches & Transmissions DM 160	2	-
*Basic Hydraulics DM 165	1	-
*Diff, Power Div, Final Drv & Plan Sys DM 162	2	-
Advanced Hydraulics AE 170	1	-
Hydr Assist Transm & Hydrost Drives AE 175	2	-
Total	8	
Third Eight Week Block		
*Batteries, Switches, Relays & Solenoids, Starting & Charging Systems DM 164	-	4
Electrical Systems, Trouble Shooting AE 165	-	2
Air Conditioning Systems AE 150	-	2
Hay & Forage AE 160	-	1
Total		8

*See Heavy Duty Mechanics-Diesel Program for course descriptions.

Course Offerings

See page 4 for definition of course numbering system.

AE AGRICULTURAL EQUIPMENT TECHNOLOGY

AE 150 AIR CONDITIONING SYSTEMS (2-4-2)(F,S). This course covers the basics of air conditioning, refrigerants and oil, basic system how it works, service equipment, inspecting and diagnosing the system, testing and adjusting the system and preparing system for service. PREREQ: Core Block or PERM/INST.

AE 160 HAY AND FORAGE (1-3-1)(F,S). This course covers types, sizes, operation of balers and stack wagons, preliminary setting and adjustments and trouble shooting of field problems. PREREQ: Core Block or PERM/INST.

AE 165 ELECTRICAL SYSTEMS, TROUBLE SHOOTING (2-4-2)(F,S). This course covers the theory and repair procedures on the various types of electrical systems and trouble shooting of the electrical system. PREREQ: Core Block or PERM/INST.

AE 170 ADVANCED HYDRAULICS (2-4-2)(F,S). This course covers the diagnosis and repair procedures associated with open and closed-center hydraulic systems and tracing hydraulic flows through circuits. PREREQ: Core Block or PERM/INST.

AE 175 HYDRAULIC ASSIST TRANSMISSIONS AND HYDROSTATIC DRIVES (2-4-2)(F,S). This course covers the theory and repair procedures for overhaul of hydraulic assist transmissions and hydrostatic drive systems. PREREQ: Core Block or PERM/INST.

Apprenticeship Program

Associate of Applied Science

The associate of applied science degree for apprentices is a technical degree with emphasis on technical content and supervised, on-the-job experience. All related course work and on-the-job experience (except the General Education requirements) will be graded pass or fail.

Students interested in this program should contact the College of Technology Outreach Division.

Students must be registered with the Bureau of Apprenticeship and Training, U.S. Department of Labor (BAT) and the College of Technology to be eligible for this program. After documentation of completion of at least 640 hours in related course work and 8000 hours on-the-job instruction has been verified by the BAT and the College of Technology, a transcript listing course work and area of specialty will be forwarded to the Registrar; the information will be then listed on an official BSU transcript.

This program normally requires four years to complete. Special fees apply to this program.

Apprenticeship Training Technology AP 101
plus

General Education Requirements
2 Courses selected from: E 101-102, 202, CM 111, 221.
AND
2 Courses selected from: P 101, MM 201, 203, EC 205, 206.

Course Offerings

See page 4 for definition of course numbering system.

AP APPRENTICESHIP

AP 101 APPRENTICESHIP TRAINING TECHNOLOGY (V-V-56). This program provides the student with related instruction and supervised, on-the-job experience. Content of the related instruction provides the student with the technical support course work needed to function on-the-job. The on-the-job experience is located at work sites, union and non-union, approved by the Bureau of Apprenticeship and Training, U.S. Department of Labor. PREREQ: Registered with the College of Technology and the Bureau of Apprenticeship and Training.

Auto Body — Eleven Month Program

Technical Certificate
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, mild steel, wire feed), painting (lacquer, acrylic enamel, urethane, blending, matching), metal working (repair, replace, shrinking), frame alignment and repair, repair of new cars (UniCoupe Repair, UniCoupe Bench Systems). A technical certificate is issued upon satisfactorily 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 4 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, wire feed, oxyacetylene, basic metal roughing and finishing skills, metal grinding, applications of plastic bond 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, wire feed welding on car sheet metals, basic oxyacetylene, 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.

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/Metal Fabrication curriculums. **The required general education course work for the AAS Degree are CM 111 Fundamentals of Speech Communication (3 credits) and 6 credits from EC 205, 206, GB 101, P 101, GE 115, or SO 101.**

SUBJECTS	1st SEM	2nd 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

See Industrial Mechanics/Automation for detailed course descriptions.

SUBJECTS	Fall	Spring	Summer
Welding Laboratory W 106-107	5	5	-
Welding Lecture/Laboratory W 108	-	-	6
Blueprint Read & Layout W 125-126	3	7	-
Welding Communication W 111	3	-	-
Welding Theory W 155-156	4	1	-
Intro Microcomputers W 157	-	-	1
Occupational Relationships W 262	-	2	-
Total	15	15	7

See Welding & Metal Fabrication for detailed course description.

Automotive Technology—Nine Month or Two Year Program

Technical Certificate
Associate of Applied Science
Instructors: Ted Brownfield, Marlin Gaines, Lee Hall, Charles Mikesell

Boise State University's Automotive Technology program is the field of study dealing with diagnosis, service and repair of Automobiles and light trucks.

Students are offered entry into the Automotive Technology program fall and spring semesters, depending on available seating as determined by the instructor. Prerequisite to entering the Automotive Technology program is the Core Block Mechanics Program or the equivalent.

The Automotive Technology program is a two part program. The first year program involves a knowledge of general principles, as well as specific product information. Laboratory work emphasizes a hands-on orientation with extensive training on live functional vehicles. In all cases, courses are oriented toward high levels of technical understanding to provide the skills needed for employment. In addition to specific technical training, supporting courses provide for growth of interpersonal and other skills needed to advance within the automotive service industry. Students wanting only to complete the first year program can receive a technical certificate.

The second year program offers laboratory work in a practicum agreement with local dealerships, independent garages and specialty shops as well as advanced technical theory in the classroom. The automotive technology students will also be required to accumulate twelve (12) credit hours in General Education courses. Six (6) credit hours selected from the Communications or English department; and six (6) credit hours selected from the Psychology, Mid-management, or General Business departments to receive an associate of applied science degree.

The Automotive Technology Program is fully accredited by the National Automotive Technicians Education Foundation (NATEF) and the instructors are Master Technicians certified by Automotive Service Excellence (ASE).

SUBJECTS
Core Block Mechanics CB 8

	Fall	Spring
First Eight Week Block		
Automotive Brakes AM 220	3	
Two & Four Wheel Alignment AM 200	2	
*General Education Elective	3	
Total	8	
Second Eight Week Block		
Manual Trans & Differ AM 250		4
Engine Repair AM 245		4
Total		8
Third Eight Week Block		
Auto Electrical Systems AM 240		5
Emission Systems AM 225		1
*General Education Elective		3
Total		9
Fourth Eight Week Block		
Engine Performance AM 210		5
Automatic Trans/Transaxle AM 205		4
Total		9
Fifth Eight Week Block		
Advanced Engine Performance AM 230	2	
Suspension & Steering AM 215	2	
Automotive Heating & Air Conditioning AM 255	2	
**General Education Elective	3	
Total	9	
Sixth Eight Week Block		
Advanced Engine Repair AM 256		4
Advanced Auto Electronics AM 260		4
Total		8
Seventh Eight Week Block		
Advanced Automatic Transmission AM 258		4
Advanced Emission Systems AM 257		3
Advanced Wheel Alignment AM 259		4
**General Education Elective		3
Total		14

*General Education Elective chosen from: CM 111,CM 221, E 101-102, E 202.
**General Education Elective chosen from: P 101, EC 205, EC 206, MM 201, MM 203

Course Offerings

See page 4 for definition of course numbering system.

AM AUTO MECHANICS

AM 200 TWO AND FOUR WHEEL ALIGNMENT (2-4-2)(F/S). This course introduces the student to the theory and practice of two and four wheel alignment, wear identification and front end rebuilding. PREREQ: Core Block or PERM/INST.

AM 205 AUTOMATIC TRANSMISSION/TRANSAXLE (4-8-4)(F/S). This course teaches the fundamentals of automatic transmissions and transaxle design features including the function, servicing, diagnosis, troubleshooting and proper removal, adjustment, installation and testing procedures. PREREQ: Core Block or PERM/INST.

AM 210 ENGINE PERFORMANCE (2-12-5)(F/S). The student will be introduced to the design and repair of conventional and electronic ignition systems, fuel delivery systems, carburetor, fuel injection, computer controlled ignition and fuel systems. The use of scopes and testing equipment will be emphasized. PREREQ: Core Block or PERM/INST.

AM 215 SUSPENSION AND STEERING CONTROLS (2-4-2(F/S). Theory and operation of suspension and steering systems, including linkage, rack and pinion and power steering, leaf and coil springs, struts and control arms. PREREQ: Core Block or PERM/INST.

AM 220 AUTOMOTIVE BRAKE SYSTEMS (2-16-3(F/S). Theory and practice of Automotive Brake Systems inspection, maintenance and repair will be covered including shoe and pad replacement, drum and rotor machining and rebuilding of wheel, caliper and master cylinder and power brake units. PREREQ: Core Block or PERM/INST.

AM 225 EMISSION SYSTEMS (1-3-1)(F/S). This course prepares the student in the principles and laws of various automotive emissions systems to include the function, service and repair/replacement of components, diagnostic techniques and compliance with emission standards. PREREQ: Core Block or PERM/INST.

AM 230 ADVANCED ENGINE PERFORMANCE (2-6-2)(F/S). The student will be taught the use of advanced diagnostic equipment to troubleshoot and repair automobile performance, with emphasis placed on electrically related problems. PREREQ: Core Block or PERM/INST.

AM 240 AUTOMOTIVE ELECTRICAL SYSTEMS (4-12-5)(F/S). This course covers identification and use of basic automotive electronic test equipment, basic automotive electronic theory, testing, troubleshooting and rebuilding of starter motors, charging systems and electronic ignition systems. The theory and testing of computer command control systems will also be covered. PREREQ: Core Block or PERM/INST.

AM 245 ENGINE REPAIR (4-9-4)(F/S). This course covers engine design, engine disassembly, parts evaluation, parts repair and replacement and proper disassembly techniques, parts evaluation and proper assembly. PREREQ: Core Block or PERM/INST.

AM 250 MANUAL TRANSMISSION AND DIFFERENTIAL REPAIR (4-9-4)(F/S). This course introduces students to transmission and differential design, proper disassembly techniques, parts evaluation and proper assembly. PREREQ: Core Block or PERM/INST.

AM 255 AUTOMOTIVE HEATING AND AIR CONDITIONING (2-6-2)(F/S). This course introduces students to the principles and design of the heating and air conditioning system used in today's automobiles, and teaches the student troubleshooting and repair techniques. PREREQ: Core Block or PERM/INST.

AM 256 ADVANCED ENGINE REPAIR (4-8-4)(F/S). This course includes advanced engine repair principles and concepts in diagnosis, disassembly, inspection, repair and assembly of domestic and foreign car engines. PREREQ: PERM/INST.

AM 257 ADVANCED EMISSION SYSTEMS (3-9-3)(F/S). This course includes advanced principles and concepts in the diagnosis of problems and adjustment of vehicle emission control systems. PREREQ: PERM/INST.

AM 258 ADVANCED AUTOMATIC TRANSMISSIONS (4-8-4)(F/S). This course includes advanced automatic transmission principles and concepts in diagnosis, disassembly, inspection, repair and assembly of domestic and foreign car automatic transmissions. PREREQ: PERM/INST.

AM 259 ADVANCED ALIGNMENT SYSTEMS (4-8-4)(F/S). This course includes advanced wheel alignment principles and concepts in the diagnosis of problems and adjustment of two and four wheel drive vehicles utilizing computerized alignment equipment. PREREQ: PERM/INST.

AM 260 ADVANCED AUTO ELECTRICAL SYSTEMS (4-8-4)(F/S). This course includes advanced electrical systems principles and concepts in the diagnosis and repair of electrical problems utilizing computerized testing equipment. PREREQ: PERM/INST.

Broadcast Technology—Two Year Program

Associate of Applied Science Degree
Instructors: Ralph Hogan, Paul Kjellander, James Paluzzi

The A.A.S. in Broadcast Technology will prepare technicians to operate and maintain broadcast audio and video equipment in the context of broadcast station operations. Additionally, these technicians will develop competencies in multi-track recording technology, satellite uplink technology, studio facilities design and construction, electronic field production, video tape technology, broadcast operations, broadcast technology management, and broadcast equipment maintenance. Finally, through opportunities offered by internship programs, these technicians will develop a realistic understanding of professional work ethics under actual working conditions.

	1st SEM	2nd SEM
FRESHMAN		
English Composition E 101	3	-
Fund of Speech Communication CM 111	3	-
Intermediate Algebra M 108	4	-
Algebra & Trigonometry M 111	-	5
Computer Fund for Technology EN 102	-	3
Intro to Broadcast Technology BR 101	3	-
Broadcast Technology Regulation BR 103	-	3
Intro to Audio Technology BR 111	4	-
Intro to Video Technology BR 113	-	4
Broadcast Operations BR 121	-	4
Total	17	19
SOPHOMORE		
General Psychology P 101	3	-
Interpersonal Communication CM 221 or Public Speaking CM 231	3	-
Management & Organizational Theory MG 301	3	-
Broadcast Facilities Maintenance BR 221	4	-
Broadcast Systems Design BR 224	-	4
Advanced Audio Theory BR 211	4	-
Electronic Field Production BR 217	-	4
Television Lighting & Make-Up BR 215	-	4
Broadcast Technology Internship BR 293	-	4
Total	17	16

Course Offerings

See page 4 for definition of course numbering system.

BR BROADCAST TECHNOLOGY

BR 101 INTRODUCTION TO BROADCAST TECHNOLOGY (3-0-3) (F). Survey of the technology used to disseminate programming through telecommunications systems, including terrestrial and satellite transmissions systems, CATV, and production technology. Course includes an overview of broadcast technology professionals.

BR 103 BROADCAST TECHNOLOGY REGULATION (3-0-3)(S). Examination of the regulatory function of the Federal Communications Commission as it pertains to broadcast technology, including construction and licensing regulations, emergency broadcast systems, license renewal, public records, and adjudication procedures. Study of FCC technical parameters for broadcast operations.

BR 111 INTRODUCTION TO AUDIO TECHNOLOGY (3-4-4)(F). Study of audio theory and systems used in broadcasting, including acoustics, signal-to-noise rations, microphone design and utilization, audio console design and operation, tape and tape recorders, and editing.

BR 113 INTRODUCTION TO VIDEO TECHNOLOGY (3-4-4)(S). Study of video theory and systems used in broadcasting, including camera design and operation, studio design and lighting, video switchers, television graphics, telecine, videotape and recorders, video editing, and audio for television.

BR 121 BROADCAST OPERATIONS (3-4-4)(S). Theory and practice of master control operations for radio and television, including master control switching, character generators, audiotape and videotape recorder operations, time-based correction, camera operations, satellite and microwave operations, metering functions, and rf transmission systems.

BR 211 ADVANCED AUDIO TECHNOLOGY (3-4-4)(F). Advanced study of studio, field, and multi-track production technology. Laboratory experience to include practical experience in actual broadcast settings. PREREQ: BR 111.

BR 215 TELEVISION LIGHTING AND MAKEUP (3-4-4)(S). Study of physics of light, as it applies to studio and field-based television production. Makeup and setdesign considerations will be studied, along with consideration of the impact of set design on television lighting.

BR 217 ELECTRONIC FIELD PRODUCTION (3-4-4)(S). Study of techniques and utilization of broadcast equipment in the field including audio and video recording systems, remote satellite and microwave technology.

BR 221 BROADCAST FACILITIES MAINTENANCE (3-4-4)(F). Management of preventive maintenance programs for both studio and field-based broadcast systems; procedures for routine repair of basic broadcast equipment. Development of conceptual knowledge of electronic components within broadcast systems.

BR 224 BROADCAST SYSTEMS DESIGN (3-4-4)(S). Theory and practice in designing broadcast studios, master control and production control facilities, transmission systems and networks. Topics include construction management, computer-assisted drafting, structural design, signal processing and routing systems, and acoustics.

BR 293 BROADCAST TECHNOLOGY INTERNSHIP (0-12-4)(S). Practical experience within a professional broadcast environment.

Business & Office Education

Nine Month or Two Year Program
Technical Certificate
Instructors: Karen Bounds, Doris Butler, Janet Carlton, Wanda Metzgar, Dona Orr Theresa TenEyck, Marjorie Williamson

The Business and Office Education program prepares students with the strong basic skills, understanding of the business environment, technical skills, knowledge, and attitudes required for successful employment in a variety of business offices in private industry and government. Upon enrolling in the program, students may pursue a one-year technical certificate or a two-year associate of applied science degree in Bookkeeping, Legal Secretary, or Word Processing.

The Business and Office Education program is competency-based, specifying student performance objectives required for employment. Previous training or experience may be substituted for course work by successful competency testing with permission of the Program Head and Instructor.

Students may begin the Business and Office Education program either fall or spring semester. Students beginning in the fall semester can complete core requirements for a technical certificate in two semesters and the associate of applied science degree in four semesters. Students beginning in spring semester can also complete core requirements for a technical certificate in two semesters; however, they should plan on five semesters to complete the associate of applied science degree.

Technical Certificate
Business and Office Education

The technical certificate program is designed to provide students with the basic skills necessary to work in an office environment in entry level positions such as receptionist, office assistant, or information processing assistant.

Upon successful completion of the program, students will be able to perform routine office tasks such as filling, record keeping, and answering the telephone, as well as use microcomputers for word processing and basic business applications. Emphasis is placed on developing communication skills in addition to technical skills.

A technical certificate is awarded upon successful completion of the core freshman classes. All credits earned for a technical certificate may be applied toward associate of applied science programs.

CORE FRESHMAN CLASSES	1st SEM	2nd SEM
Business Math OF 105	3	-
Business English OF 109	4	-
Keyboarding OF 126	2	-
Keyboarding Skill Development OF 128	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
Machine Transcription I OF 158	-	2
Record Keeping OF 155	-	3
Job Seeking Skills/Career Planning OF 153	-	2
Total	17	17

Associate of Applied Science Degree
Business and Office Education (Bookkeeping)

The Bookkeeping option is designed to provide students with a basic knowledge of bookkeeping processes for entry level employment as accounting clerks, payroll clerks, bookkeepers, and accounting associates.

Upon successful completion of the program, students will be able to record day-to-day financial transactions and prepare summary statements of business conditions for a small business, or assist with the bookkeeping and accounting functions of a larger business or government agency. Emphasis is placed on using microcomputers to perform routine bookkeeping functions and prepare reports.

As a capstone training experience, students will complete a one-semester internship in a bookkeeping trainee position. This allows students to apply competencies previously learned to on-the-job situations.

SOPHOMORE YEAR	1st SEM	2nd SEM
Bookkeeping I OF 108	3	-
Spreadsheet I OF 201	2	-
Intro Data Base Management OF 202	2	-
Applied Business Communications OF 252	3	-
Legal Environment of Business GB 202	3	-
Production Typing OF 141	2	-
**Electives	3	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
*Technical Support Courses	-	3
Total	18	17

Associate of Applied Science Degree
Business and Office Education (Legal Secretary)

The Legal Secretary option is designed to provide students with the technical skills and knowledge for entry level employment in a legal office as a legal secretary or world processor.

Upon successful completion of the program, students will be able to perform a variety of administrative and technical duties necessary for efficient operation of the legal office. Specialized training is provided in legal terminology and transcription, legal office procedures, and legal document preparation. Emphasis is placed on using microcomputers and business application software to perform advanced information processing functions. Problem-solving and decision-making abilities are developed in addition to technical skills.

As a capstone training experience, students will complete a one-semester internship in a legal secretary trainee position. This allows students to apply competencies previously learned to on-the-job situations.

SOPHOMORE YEAR	1st SEM	2nd SEM
Applied Business Communications OF 252	3	-
Production Typing OF 141	2	-
Legal Office Technology I OF 212	3	-
Legal Terminology & Transcription OF 221	3	-
Spreadsheet I OF 201	2	-
Intro Data Base Management OF 202	2	-
*Electives	3	3
Word Processing Production OF 277	-	2
Advanced Word Processing Production OF 278	-	2

Fundamentals of Supervision OF 256	-	2
Legal Documentation OF 224	-	3
Legal Office Technology OF 213	-	3
Business & Office Internship OF 293	-	3
Total	18	18

Associate of Applied Science Degree
Business and Office Education (Word Processing)

The Word Processing option is designed to provide students with the technical skills and knowledge for employment in a variety of office positions requiring word processing skills.

Upon successful completion of the program, students will be able to perform administrative office functions as well as use microcomputers and business application software to perform advanced information processing functions. Emphasis is placed on developing problem-solving and decision-making abilities in addition to technical skills.

As a capstone training experience, students will complete a one-semester internship in a word processing trainee position. This allows students to apply competencies previously learned to on-the-job situations.

SOPHOMORE YEAR	1st SEM	2nd SEM
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 Production OF 277	-	2
Advanced Word Processing Production OF 278	-	2
Machine Transcription II OF 169	-	2
Fundamentals of Supervision OF 256	-	2
Model Office Simulation OF 257	-	3
Records Management Procedures OF 251	-	2
Spreadsheet II OF 254	-	2
Total	17	18

***APPROVED TECHNICAL SUPPORT COURSES**

Machine Transcription II OF 169	2
Bus & Off Education Internship OF 293	3
Word Processing Production OF 277	2
Advanced Word Processing Production OF 278	2
Model Office Simulation OF 257	3

****APPROVED GENERAL EDUCATION ELECTIVES**

Fund of Speech Communication CM 111	3
Listening CM 131	3
Interpersonal Communications CM 221	3
Assertiveness Training GE 116	3
General Psychology P 101	3
Intro to Business GB 101	3
Legal Environment of Business GB 202	3

Course Offerings

See page 4 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 and OF 155.

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.

OF 119 PROOFREADING AND SPELLING (3-2-3)(F/S). Emphasis on learning proofreading techniques with practical applications. Spelling rules and patterns will be covered and applied. PREREQ: OF 109.

OF 126 KEYBOARDING (2-4-2)(F/S). Beginning class introducing the alphabetic and numeric keyboard and basic typing skills. Eight-week course.

OF 128 KEYBOARDING SKILL DEVELOPMENT (2-4-2)(F/S). A diagnostic approach to improve speed and accuracy on microcomputers. This course will include an introduction to basic word processing/formatting skills. 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 using automated office systems. Proofreading skills are stressed. PREREQ: OF 128 and a 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 131 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 132 and keyboarding speed of at least 45 wpm. Eight-week course.

OF 142 TECHNICAL TYPING (2-4-2)(F/S). Development of technical competence using automated office systems to prepare technical, medical, legal and governmental documents. Emphasis on high-quality work and development of ability to make decisions without direct supervision. PREREQ: OF 132 and keyboarding speed of at least 45 wpm. Eight-week course.

OF 150 LEADERSHIP DEVELOPMENT (2-0-2) (F/S). Course furthers professional development of students in business and office education fields. Emphasis on leadership skills, parliamentary procedures, interpersonal communication and occupational skill enhancement through business-oriented community and campus projects and state and national competition and leadership conferences. Course may be repeated once for credit. (Pass/Fail).

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 basic clerical record keeping to the introduction of elementary double-entry bookkeeping concepts. Develops skills and knowledge that students can use in positions which require keeping. 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 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). Presents concepts of spreadsheets software; understanding the work sheet elements; the command menu; entering numbers, formulas and labels, specifying ranges; entering simple formulas; editing and printing. PREREQ: OF 155 and OF 161. An eight-week course.

OF 202 INTRO TO DATA BASE MANAGEMENT (2-4-2)(F/S). Emphasis will be on creating files, data entry; edit data; how to search for data; create, run and print reports. PREREQ: OF 162. 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 212 LEGAL OFFICE TECHNOLOGY I (3-2-3)(F/S). Students will become acquainted with basic office procedures in a legal office. Emphasis on the formatting and transcription of legal correspondence and documents using automated office systems.

OF 213 LEGAL OFFICE TECHNOLOGY II (3-2-3)(F/S). This course is designed to cover advanced legal office procedures and problems. Emphasis on legal terminology and preparation of specialized legal documents. PREREQ: OF 212.

OF 221 LEGAL TERMINOLOGY AND TRANSCRIPTION (3-2-3)(F/S). This course will be a basic introduction to legal vocabulary, the preparation of legal documents and transcription of dictated legal material. PREREQ: OF 158 and OF 159.

OF 224 LEGAL DOCUMENTATION (3-2-3)(F/S). This course is designed as a capstone training experience applying previously learned skills. Emphasis on records management, use of legal references and problem-solving techniques in a law office. PREREQ: OF 212 and OF 221.

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 108. 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, 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, payroll. PREREQ: OF 201. 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/responsibilities of the supervisor; problem-solving and time management; and assertiveness and conflict management. Eight-week course.

OF 257 MODEL OFFICE SIMULATION (3-2-3)(F/S). Students are "employed" in a classroom simulated office environment. This course will be a capstone training experience allowing students to apply previously learned skills and develop advanced skills in word processing, spreadsheets, data base management and desktop publishing. PREREQ: OF 201, OF 202, OF 277.

OF 277 WORD PROCESSING PRODUCTION (2-4-2)(F/S). This course will focus on word processing production applications with an emphasis on fonts, columns, reports with table of contents and indexes, merge and outline. PREREQ: OF 141. Eight-week course.

OF 278 ADVANCED WORD PROCESSING PRODUCTION (2-4-2)(F/S). This course will focus on advanced word processing production applications with an emphasis on macros, styles, line draw, graphics and sort/select. PREREQ: OF 277. Eight-week course.

OF 293 BUSINESS AND OFFICE INTERNSHIP (0-12-3)(F/S). A practical application of technical knowledge and skills in supervised business and office settings. Individual contract arrangement involving student, instructor and employer to gain practical work experience. Monitored and evaluated by appropriate faculty in consultation with the business site supervisor. PREREQ: Permission of Internship Coordinator and Division Manager.

Business Systems and Computer Repair—Two Year Program

Technical Certificate
Associate of Applied Science Degree
Instructors: Dan Cadwell, Paul Jansson, Don Jones

Photocopy Technology-Nine Month Program-Technical Certificate
This nine month option is designed to give the student the basic knowledge and skills in mechanics, xerography and electronics to perform as an entry level Photocopier Technician.

Business Systems and Computer Repair-Two Year Program
The program in Business Systems and Computer Repair has been developed to give the student the basic knowledge and skills to perform as an entry level Field Service Technician. Upon successful completion the student will be qualified to make electronic and mechanical adjustments and repairs as they relate to computers, computer peripheral devices, xerography and other electromechanical devices. Completion of the Photocopy Technician program is a prerequisite to the Business Systems and Computer Repair program.

Photocopy Technology

FRESHMAN

First Eight Week Block
- Business Systems Mechanical Principles BC 155 5
- Xerography and Photocopier Theory BC 156 3

Second Eight Week Block
- Communication Skills BC 111 3
- Basic Electronic Theory BC 157 4
- Basic Electronic Lab BC 158 2

Third Eight Week Block
- Customer Relations BC 113 3
- Electronics Lab BC 103 2
- Semiconductor Electronics Theory BC 159 4

Fourth Eight Week Block
- Electronics Lab BC 104 2
- Digital Electronics Theory BC 171 6

Business Systems and Computer Repair

SOPHOMORE YEAR

Fifth Eight Week Block
- **General Education Communication Skills elective 3
- Intro Computer Technology BC 255 5
- Computer Tech Lab I BC 256 2

Sixth Eight Week Block
- Computer Repair BC 257 5
- Computer Tech Lab II BC 258 2

Seventh Eight Week Block
- *General Education Elective in Econ or Ind/Hum Relations 3
- Computer Peripheral Repair BC 260 2
- Business Equipment Repair I BC 261 3
- Business Tech Lab III BC 262 2

Eighth Eight Week Block
- Business Equipment Repair III BC 263 5
- Business Equipment Lab IV BC 264 2
- Business Systems Sales Techniques BC 265 1

*Chosen from: CM 111, 221, E 101-102, 202 or MM 209.
**Chosen from: EC 205, 206, GE, 115, GB 101, P 101, SO 101.

Course Offerings

See page 4 for definition of course numbering system.

BC BUSINESS SYSTEMS AND COMPUTER REPAIR

BC 103 ELECTRONICS LAB (0-16-2)(F/S). Experiments and troubleshooting exercises in semiconductor electronic circuits and systems.

BC 104 ELECTRONICS LAB (0-18-2)(F/S). Experiments and troubleshooting exercises in digital electronic circuits and systems.

BC 111 COMMUNICATION SKILLS (6-0-3)(F/S). Develops abilities which enable students to use language effectively as a tool for the Office System Technician: i.e., effective writing and verbal communication for sales, technical repair, job applications and resumes.

BC 113 CUSTOMER RELATIONS (6-0-3)(F/S). Directed toward developing skills necessary to effectively deal with customers in the business equipment repair field.

BC 155 BUSINESS SYSTEM MECHANICAL PRINCIPLES (8-10-5)(F/S). This is a hands on theory/lab course in which the student is taught troubleshooting methods on mechanical systems. The student is introduced to the tools, test equipment and mechanical devices used in conjunction with electronic devices.

BC 156 XEROGRAPHY AND PHOTOCOPIER THEORY (4-8-3)(F/S). Prepares students for entry level employment in the photocopier repair field. Students will develop skills through theory and lab classes directed at troubleshooting and preventive maintenance techniques.

BC 157 BASIC ELECTRONIC THEORY (8-0-4)(F/S). Students gain experience through theory and hands on experiments which assist student understanding of DC circuits, OHMS law, magnetism and properties of electronic components.

BC 158 BASIC ELECTRONIC LAB I (0-20-2)(F/S). Students gain experience through hands on experiments which assist students understanding of DC Circuits, OHMS law, magnetism and properties of electronic components.

BC 159 SEMICONDUCTOR ELECTRONICS THEORY (8-0-4)(F/S). Study of semiconductor electronic devices and circuits with emphasis on analyzing the relationship of components in circuits and troubleshooting malfunctioning circuits. PREREQ: BC 157.

BC 171 DIGITAL ELECTRONICS THEORY (12-0-6)(F/S). Study of digital electronic circuits and microprocessor systems with emphasis on circuit analysis and troubleshooting. PREREQ: BC 159.

BC 255 INTRODUCTION TO COMPUTER TECHNOLOGY (10-0-5)(F). Directed toward developing skills toward computer repair. Training in the areas of computer operating systems and software with emphasis on ability to analyze problems in systems and software.

BC 256 COMPUTER TECHNOLOGY LAB I (0-20-2)(F). A hands on lab where the principals taught in BC 255 can be studies and analyzed as they apply to a computer.

BC 257 COMPUTER REPAIR (10-0-5)(F). Prepares students for entry level employment into the computer repair field. Concepts in logic, circuitry, troubleshooting and component replacement procedures are taught.

BC 258 COMPUTER TECHNOLOGY LAB II (0-20-2)(F). A hands on lab where the principals taught in BC 257 can be studied and analyzed as they apply to a computer and the computer peripheral.

BC 260 COMPUTER PERIPHERAL REPAIR (10-0-2)(S). This course deals with the maintenance, repair and troubleshooting of computer peripheral. Concepts in the different types of printers, modems, disk drives and etc. with methods of repair and maintenance. This is a four week block.

BC 261 BUSINESS EQUIPMENT REPAIR I (12-2-3)(S). This course deals with the maintenance, repair and troubleshooting of electronic word processors. This is a four week block.

BC 262 BUSINESS TECHNOLOGY LAB III (0-20-2)(S). A hands on lab where the principals taught in BC 261 can be studied and analyzed as they apply to a computer and its peripheral.

BC 263 BUSINESS EQUIPMENT REPAIR II (10-0-5)(S). This course deals with the maintenance, repair and troubleshooting of electronic cash registers and electronic calculators.

BC 264 BUSINESS TECHNOLOGY LAB IV (0-20-2)(S). A hands on lab where the principals taught in BC 263 can be studied and analyzed as they apply to a computer and its peripheral.

BC 265 BUSINESS SYSTEMS SALES TECHNIQUES (2-0-1)(S). This course deals with sales techniques of maintenance contracts and office equipment.

Child Care and Development

Day Care Assistant—Nine Month Program
Technical Certificate
Instructors: Connie Martinsen, Bonnie Noonan, Bonnie Sumter

This program is intended for people interested in working with children as an assistant in child care centers, nursery schools, private kindergartens, child development centers and recreation programs for young children.

Day Care Supervisor—Nine Month or Two Year Program
Associate of Applied Science Degree

Students are trained to teach in or operate a preschool program which provides for care and education for infants through five years old.

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 schools and child 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
Health and Care of the Young Child CC 141	3	-
Curriculum of the Young Child CC 171-172	3	3
Child Care Laboratory CC 181-182	3	3
Contract Field Exper in Early Child Prg CC 125-126	1	1
Plan and Evaluation of Laboratory Experience CC 135-136	2	2
Infant/Child CPR & First Aid CC 185	1	-
Intro Computer Applications Occupational Relat CC 261	-	2
*Approved Elective	-	3
Total	16	17

Day Care Supervisor	1st SEM	2nd SEM
Advanced Child Care CC 255	3	-
Intro to Kindergarten Curriculum CC 256	2	-
Infant & Toddler Care CC 257	-	2
Child Care Center Management CC 232	-	3
Family & Community Involvement with Child CC 252	3	-
Child Care Center Supervision CC 201-202	4	4
Contract Pract in Early Child Supervision CC 225-226	2	2
Nutrition for Young Children CC 241	3	-
*Approved Elective	-	3
**Approved Elective	-	3
Total	17	17

*Chosen from: CM 111, CM 131, CM 221, CM 251.
**Chosen from: P 101 or SO 101.

Course Offerings

See page 4 for definition of course numbering system.

CC CHILD CARE

CC 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-0-3)(F/S). Course content includes basic principles of child growth and development, the individual needs of preschool children, their language development, understanding their behavior and techniques of guidance and discipline.

CC 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD 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, sanitation, safe environment, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Also includes maintenance of teachers health.

CC 171-172 CURRICULUM OF THE YOUNG CHILD (3-0-3)(F/S). Curricula media suitable for preschool children. Includes theories of teaching curriculum subjects; the need for a curriculum in 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 185 INFANT/CHILD CPR AND FIRST AID (1-0-1)(F). Instruction in infant and child CPR and First Aid leading to certification of the student.

CC 201-202 CHILD CARE CENTER SUPERVISION (1-12-4)(F/S). With instructor supervision, students will assume responsibility of lab preschool and plan curriculum activities, supervise staff, plan daily and weekly schedules and study techniques for child evaluations and parent conferences. Emphasis is placed on child guidance techniques and curriculum development. PREREQ: CC 181-182.

CC 225-226 CONTRACTED PRACTICUM IN EARLY CHILDHOOD PROGRAMS (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 child care programs.

CC 241 NUTRITION FOR YOUNG CHILDREN IN CHILD CARE CENTERS (3-0-3)(F). Nutritional requirements of preschool children. Students plan, purchase, prepare and serve nutritious snacks and meals. Emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes.

CC 252 FAMILY AND COMMUNITY INVOLVEMENT WITH CHILDREN (3-0-3)(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)(F). Kindergarten curriculum theory and practices are presented so that the student has a working knowledge of the kindergarten classroom.

CC 257 INFANT AND TODDLER CARE (2-0-2)(S). Care and education of infants and toddlers in group day care homes and centers. Besides physical care emphasis is also placed on the emotional and social nurturing and intellectual development of infants and toddlers. PREREQ: CC 101-151.

CC 261 INTRO COMPUTER APPLICATIONS TO OCCUPATIONAL RELATIONS (2-0-2)(S). A study of dealing effectively with people, job seeking skills, written communications and hands on use of computers to complete personal data packet.

Core Block Courses

Core Block classes are PREREQUISITES for Automotive Technology (AM), Agricultural Equipment Technology (AE), and Heavy Duty Mechanics-Diesel (DM).

Course Offerings

See page 4 for definition of course numbering system

CB CORE BLOCK

CB 101 INTRODUCTION TO MECHANICS (1-3-1)(F,S). Basic principles of mechanics, including orientation, mechanical careers, certification, personal and shop safety, study skills, basic hand tools, power tools and equipment, using service manuals, fasteners, lines and fittings, taps, dies, heli-coil, measuring and drills, gaskets, seals, and sealants.

CB 105 INTRODUCTION TO ENGINES (1-3-1)(F,S). Theory and principles operation, classifications and identification. The use of shop math and measuring instruments for precision parts measuring.

CB 109 BASIC ELECTRICITY AND ELECTRONICS (1-3-1)(F,S). Principles of electricity and electric circuits. Compare voltage, current and resistance. Principles of magnetism and magnetic fields, battery testing and service, using symbols and wiring diagrams. Perform fundamental electrical tests, and soldering skills.

CB 113 CHASSIS AND EXHAUST SYSTEMS (1-3-1)(F,S). This course covers tire, wheel, hub, shock and wheel bearing fundamentals and service. Exhaust system identification of basic parts and design differences. Perform exhaust system repairs.

CB 117 VEHICLE AND EQUIPMENT MAINTENANCE (1-3-1)(F,S). This course covers lubrication, cooling system, air supply system, and fuel system service procedures and repairs.

CB 121 BASIC WELDING AND METAL WORK (1-3-1)(F,S). This course covers basic oxyacetylene, arc, m.i.g. and t.i.g. welding processes. Oxyacetylene torch cutting techniques, measuring, marking and bending metal properly and welding safety.

CB 125 OCCUPATIONAL RELATIONS (2-0-1)(F,S). This course teaches proper techniques in completing a job application form, job keeping skills, and writing a resume.

CB 129 INTRODUCTION TO MICROCOMPUTERS (2-0-1)(F,S). Introduces the student to microcomputer skills related to the mechanical technology service field, including DOS and basic word processing.

Culinary Arts Program—Nine Month or Two Year Program

Technical Certificate - 1 Year
Associate of Applied Science - 2 Years
Instructors: Vernon Hickman, CCE, CWC, Julie Kulm, CCE, CWC, Manley Slough, CCE, CEC, Bonnie Sumter

The purpose of the Culinary Arts Program is to provide basic training and education for cooks, apprentice chefs and managers.

The curriculum offers students an opportunity to:

- Learn and effectively practice basic and advanced technical skills in food preparation and service.
- Understand the principles of food identification, nutrition and food and beverage composition.
- Acquire basic supervisory skills to better utilize human and physical resources in food service operations.
- Gain experience in the proper use and maintenance of professional food service equipment.
- Become familiar with the layout and work flow of professional kitchens and bakeshops. Gain appreciation for the history, evolution and international diversity of the culinary arts.
- Develop a personal sense of professionalism necessary for working successfully in the food service industry.

The core of the Culinary Arts Program curriculum at Boise State University is the hands-on teaching of cooking and baking skills as well as the theoretical knowledge that must underlie competency in both fields.

The objective is to not only teach students to work in the kitchen, but how it functions. Related to our mission of professional training are the courses that complete a food service education: table service, wines, menu, facilities planning, cost controls, supervisory development, storeroom and stewardship.

Upon enrollment in the program, the student will have the opportunity to pursue a one-year technical certificate, 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 technical certificate or an associate of applied science degree.

The program is fully accredited by the American Culinary Foundation Educational Institute.

FIRST SEMESTER	Credit Hours
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 205 Principles of Microeconomics	3
CM 112 Reasoned Discourse	3
MM 250 Intro Microcomputers in Retailing	3
Totals	19

Course Offerings

See page 4 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, 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 guerdon service is explained.

CA 116 MEAT IDENTIFICATION AND FABRICATION (1-0-1)(F/S). Instructors illustrate 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, galantines and ballotines.

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. Stewardship functions and responsibilities of personnel scheduling, cleaning scheduling and purchasing.

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.

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.

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, terrines, tallow and ice carving, aspics, mousses, cold sauces, vegetable carving and food decoration are prepared and served.

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 Table Top A La Carte cooking menu as student 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). Course work emphasizes an understanding of the complexities of controlling the primary resources of hospitality operations-food, beverage, labor and sales income. Control systems development 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 of 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 food service 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

Technical Certificate
Instructors: Terrie Beckman, Dr. Richard Gunnell, Bonnie Imbs

The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and a Clinical Experience. Boise State University works with a 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 references. Typing is a prerequisite. The dental assistant courses are taught by dental assistant instructors, dentists and guest dental lecturers.

The program in Dental Assisting is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. Students are eligible to take the Certification Examination upon completion of this course.

	1st SEM	2nd SEM
Dental Laboratory DA 101-102	4	5
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	3	-
Dental Theory DA 151-152	6	6
Intro Computer Applications Occup Relat DA 180	-	1
Professional & Legal Concepts DA 181	-	1
Fundamentals of Speech CM 111	3	-
Standard First Aid and CPR PE 121	-	1
Total	24	18

Course Offerings

See page 4 for definition of course numbering system.

DA DENTAL ASSISTING

DA 101 DENTAL LABORATORY (2-10-4)(F). Provides practical laboratory experience in handling dental materials, instruments and chair side assisting.

DA 102 DENTAL LABORATORY (2-12-5)(S). Provides practical laboratory experience to clinical competency in chair side skills and expanded dental assisting functions.

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 COMMUNICATION SKILLS (3-0-3)(F). Enables the students to use English and Dental terminology effectively as a tool for logical thinking, problem solving, technical writing and speaking required in the field of dental assisting.

DA 151-152 DENTAL THEORY (6-0-6)(F),(6-0-6)(S). Lectures cover the basic dental sciences and dental specialties.

DA 180 INTRODUCTION OF COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (1-0-1)(S). A study of job seeking skills, communications and hands on use of computer technology to complete a personal data portfolio.

DA 181 PROFESSIONAL AND LEGAL CONCEPTS (1-0-1)(S). To enable a student to become skilled in dealing effectively with people and practice the ethics and legal responsibilities of dental practice.

Drafting Technology—Two Year Program

Associate of Applied Science Degree
Instructors: Danny Benton, Ralph Burkey

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

Machine Drafting Lab and Lecture DT 101	4
Fund Computer-Aided Drafting & Design DT 109	2
Computer Fundamentals for Technology EN 102	3
Intermediate Algebra M 108	4
English Composition E 101	3
Total	16

SECOND SEMESTER

Architectural Drafting Lab and Lecture DT 102	4
Fund of Speech Communication CM 111	3
Fundamentals of Computer Drafting DT 110	2
Engineering Measurement EN 216	3
Technical Physics MN 231	4
Technical Report Writing DT 222	2
Total	18

THIRD SEMESTER

Civil Drafting Lab and Lecture DT 201	4
Applied Mathematics DT 231	3
Descriptive Geometry DT 221	3
Statics DT 241	4
Occupational Relations DT 262	3
Total	17

FOURTH SEMESTER

Structural Drafting Lab and Lecture DT 202	4
Applied Mathematics DT 232	3
Strength of Materials DT 242	4
Technical Illustration DT 264	3
*Elective (from approved list)	3
Total	17

All courses require a minimum 'C' grade to receive the associate's degree.

Approved General Electives List

*Electives chosen from following course offerings to fulfill Occupational Area Core requirements. These selections are also chosen with the intent of fulfilling the general education requirements for the associate of applied science degree.

Principles Microeconomics EC 205	3
Principles Macroeconomics EC 206	3
Introduction to Business GB 101	3
General Psychology P 101	3
Career Life Planning GE 115	3
Introduction to Sociology SO 101	3

Course Offerings

See page 4 for definition of course numbering system.

DT DRAFTING TECHNOLOGY

DT 101 DRAFTING LABORATORY AND LECTURE (2-4-4)(F/S). 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 (2-4-4)(F/S). Architectural drafting includes facility planning, remodeling and details for commercial buildings. PREREQ: DT 101.

DT 109 FUNDAMENTALS OF COMPUTER-AIDED DRAFTING AND DESIGN (2-1-2)(F/S). This course is an introduction to Computer-Aided Drafting and Design Systems. It will prepare students 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. Problems will be assigned in conjunction with the lab DT 101. COREQ: Familiarity with basic drafting procedures and standards.

DT 110 ADVANCED COMPUTER-AIDED DRAFTING AND DESIGN (2-1-2)(F/S). This course provides the student with skills in three dimensional CAD drafting, developing shape files and menu's, developing slide shows, digitalizing, and illustrations. Problems will be assigned in conjunction with the lab DT 102. PREREQ: DT 109.

DT 201 CIVIL DRAFTING LABORATORY AND LECTURE (2-4-4)(F). Civil drafting, mapping, highway curves and earthwork using conventional and computer drafting techniques. PREREQ: DT 102, M 108, EN 216.

DT 202 STRUCTURAL DRAFTING LABORATORY AND LECTURE (2-4-4) (S). Structural drafting terminology, structural and reinforcing steel specifications and drawing practice with manual and computerized methods. PREREQ: DT 201.

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 M 108 Intermediate Algebra. PREREQ: M 108.

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: M 108.

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: M 108.

DT 262 OCCUPATIONAL RELATIONS (3-0-3)(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. Emphasis in developing a portfolio.

DT 264 TECHNICAL ILLUSTRATION (3-1-3)(S). An intensive study of axonometric, perspective and rendering as used in industrial illustration, architectural rendering a civil engineering, including mechanical and electronic methods. (open to non-drafting technology majors, space permitting.)

Electrical Lineworker—Nine Month Program

Technical Certificate
Instructor: Thomas Cantrell

The Electrical Lineworker Program provides the student with the best and most complete basic preparation possible in overhead and underground construction and maintenance procedures. Centering around a basic program of performance based objectives, instructional materials and field experiences, the program provides the student with the necessary skills and knowledge needed as a firm foundation in this rapidly advancing field.

In the laboratory experience with equipment such as transformers, oil circuit breakers, switches, materials and pole line hardware, hot line tools, test equipment, line truck, 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. Students are required to obtain a class A commercial driver's license before graduation.

SUBJECTS	1st SEM	2nd SEM
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 4 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, 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, over current 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 designing and construction techniques, transformer theory, design of transformers and their construction and transmission networks.

EL 262 OCCUPATIONAL RELATIONS (2-0-2)(S). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

Electronics Service Technology—Two Year Program

Associate of Applied Science Degree
Instructors: Robert Dodson, Bob Jull, Joe Schreffler, Stan Sluder, James Stack

A graduate of this program will be prepared for entry level placement with industry and will possess a broad-based general knowledge in electronic concepts, circuits, and equipment repair, maintenance, and interfacing. The graduate will gain experience in the areas of analog and digital electronics with major emphasis in the fields of digital electronics, and telecommunication and electromechanical systems.

FRESHMAN YEAR	1st SEM	2nd SEM
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
Electromechanical Systems ES 281	-	3
Telecommunication Systems II ES 285	-	4
Total	18	19

Course Offerings

See page 4 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.

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. 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. 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. Trigonometric functions, vectors and phaser computations. Device curve plotting. Solution of quadratic equations. Complex number system and use in circuit calculations. 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 and ES 281. Lab will stress hands-on exposure to circuits and equipment and will provide various trouble-shooting techniques.

ES 214 DIGITAL SYSTEMS II (3-0-3)(F/S). Implementation of sequential logic. Flip-flops, shift registers, ring counters, binary and decade counters, modulus counters and state generators. PREREQ: ES 163.

ES 232 TELECOMMUNICATION SYSTEMS I (2-0-2)(F/S). Introduction to electronic communication systems. Amplitude modulation and detection, percentage of modulation, bandwidth of AM signals, RF power calculations. Radio frequency transmitter and receiver systems.

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 differentialors, 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. Digital signal processing basics. 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, microprocessor instruction codes, central processor unit structure and interfacing. PREREQ: ES 214.

ES 281 ELECTROMECHANICAL SYSTEMS (3-0-3)(F/S). Electronic measurement and detection through the use of electronic transducers. Mechanical control through the use of electromechanical actuator 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. FM signal systems, frequency modulation and detection, single sideband communications, television 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, ES 277, ES 232, 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 Industry. PREREQ: Minimum of two years employment as an Electronic Service Technician, or PERM/INST.

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.

Electronics Technology—Two Year Program

Associate of Applied Science Degree
Instructors: Robert Dodson, Bob Jull, Joe Schreffler, Stan Sluder, James Stack

The Electronics Technology Program prepares students as entry level electronic engineering technicians. These individuals are prepared to work as individuals or team members together with scientists, engineers and manufacturing or research specialists. The graduate of this program will obtain broad-based experience in areas of digital electronics systems, electronic communications systems, and electronic measurement and control systems.

FRESHMAN YEAR	1st SEM	2nd SEM
Found of Physical Science PS 100	4	-
English Composition E 101	3	-
Computer Fund for Technology EN 102	3	-
Intermediate Algebra M 108	4	-
Electronic Theory ET 151	3	-
Electronics Laboratory ET 101	2	-
Fund of Speech Communication CM 111	-	3
Algebra & Trigonometry M 111	-	5
Electronic Theory ET 152	-	2
Electronics Laboratory ET 102	-	1
Digital Systems I ET 162	-	3
Digital Systems Lab I ET 163	-	1
Solid State Devices I ET 172	-	3
Solid State Devices Lab I ET 173	-	1
Total	19	19
SOPHOMORE YEAR		
Technical Writing ET 221	3	-
Calculus I ET 231	3	-
Linear Systems ET 251	5	-
Linear Systems Lab ET 201	2	-
Digital Systems II ET 264	4	-
Digital Systems Lab II ET 265	1	-
Instrumentation ET 241	-	3
Instrumentation Lab ET 242	-	1
Telecommunications Systems ET 252	-	3
Telecommunications Lab ET 202	-	1
Digital Systems III ET 275	-	3
Digital Systems Lab III ET 276	-	1
Microprocessor Systems ET 277	-	3
Microprocessor Systems Lab ET 278	-	1
*Occupational Elective	-	3
Total	18	19

Total Number of Credit Hours: 75
* Elective chosen from: GB 101, EC 205, or EC 206

Semiconductor Technology—Two Year Program

Associate of Applied Science Degree

The semiconductor technology program prepares students as entry level semiconductor processing technicians. These individuals work in the semiconductor manufacturing industry to prepare and process semiconductor wafer products including discrete semiconductor devices, integrated circuits and integrated transducer products.

FRESHMAN YEAR	1st SEM	2nd SEM
English Composition E 101	3	-
Computer Fundamentals for Technology EN 102	3	-
Intermediate Algebra M 108	4	-
DC Electronic Theory ET 151	3	-
DC Electronics Laboratory ET 101	2	-
College Chemistry C 131	3	-
Lab for College Chemistry C 132	1	-
Fundamentals of Speech Communication CM 111	-	3
Algebra and Trigonometry M 111	-	5
AC Electronic Theory ET 152	-	2
AC Electronics Laboratory E 102	-	1
Digital Systems I ET 162	-	3
Digital Systems I Lab ET 163	-	1
Solid State Devices ET 172	-	3
Solid State Devices Lab 173	-	1
Total	19	19
SOPHOMORE YEAR		
Technical Writing ET 221	3	-
Digital Systems II ET 264	4	-
Digital Systems II Lab ET 265	1	-
General Physics PH 101	4	-
Integrated Circuit Processing I SC 181	4	-
Integrated Circuit Processing Lab I SC 182	3	-
Quality Assurance and Statistical Proc Control MN 201	-	4
Integrated Circuit Processing II SC 183	-	4
Integrated Circuit Processing Lab II SC 184	-	3
General Physics PH 102	-	3
Elective chosen from GB 101, 202, EC 205 or 206	-	3
Total	19	18

Total number of credit hours: 75

Course Offerings

See page 4 for Definition of course numbering system

ET ELECTRONIC TECHNOLOGY

ET 101 DC ELECTRONICS LABORATORY (0-10-2)(F/S). Experiments in direct current electronics. Study of resistance, dc circuit behavior, dc applications of capacitors and inductors, characteristics and use of dc test equipment. COREQ: ET 151.

ET 102 AC ELECTRONICS LABORATORY II (0-5-1)(F/S). Experiments in alternating current electronics. Study of reactance, impedance, transformer devices, and ac circuit behavior. Characteristics and use of ac test equipment. PREREQ: ET 101. COREQ: ET 152.

ET 151 DC ELECTRONIC THEORY (5-0-3)(F/S). Theory of direct current electricity, its behavior in dc circuits. Resistance, dc power and energy, dc voltage and current laws, dc circuit analysis, dc circuit calculations and interpretation. This course includes 2 hours per week of non-credit study session. COREQ: M 108 or PERM/INST.

ET 152 AC ELECTRONIC THEORY (2-0-2)(F/S). Theory of alternating current electricity, its behavior in ac circuits. Reactance and impedance, ac circuit analysis, resonance and tuned circuits, mutual inductance and transformers. PREREQ: ET 151, M 108. PREREQ or COREQ: M 111.

ET 162 DIGITAL SYSTEMS I (3-0-3)(F/S). Introductory digital concepts, the binary and hexadecimal number systems, Boolean functions and operations, basic logic gates and combinational logic.

ET 163 DIGITAL SYSTEMS I LAB (0-5-1)(F/S). Laboratory exercises in combinational logic to complement ET 162. See ET 162 course description. COREQ: ET 162.

ET 172 SOLID STATE DEVICES (3-0-3)(F/S). AC and DC properties of diodes and transistors. Bipolar and field effect transistor biasing and circuit implementation. Amplifier analysis and construction using transistor devices. PREREQ: ET 151, M 108.

ET 173 SOLID STATE DEVICES LAB (0-5-1)(F/S). Laboratory exercises dealing with solid state devices including diodes, bipolar and field effect transistors to complement ET 172. See ET 172 course description. COREQ: ET 172.

ET 201 LINEAR SYSTEMS LAB (0-10-2)(F/S). Laboratory exercises dealing with linear amplification and signal processing circuits to complement ET 251. See ET 251 course description. COREQ: ET 251.

ET 202 TELECOMMUNICATIONS SYSTEM LAB (0-4-1)(F/S). Laboratory exercises dealing with radio frequency generation and measurements, communication signal processing circuits and fiber optic systems to complement ET 252. See ET 252 course description. COREQ: ET 252.

ET 221 TECHNICAL WRITING (3-0-3)(F/S). Writing skills in technical reports, resume preparation and job applications. Improvement of writing and report preparation style and writing for effectiveness and clarity. COREQ: ET 201 or ET 265.

ET 231 ELECTRONIC CALCULUS (3-0-3)(F/S). Differentiation and integration with electronic system applications. Use of electronic differentiation and integration in electronic control. PREREQ: M 108.

ET 241 INSTRUMENTATION (3-0-3)(F/S). Electronic measurement and control through the use of sensors, transducers, detectors and actuators. Open and closed loop control systems. Position, force, pressure, temperature, flow, level, light and radiation sensors. Signal conditioning and processing. PREREQ: ET 152 or PERM/INST.

ET 242 INSTRUMENTATION LAB (0-4-1)(F/S). Laboratory exercises with various sensors and measurement systems to complement ET 241. See ET 241 course description. COREQ: ET 241.

ET 251 LINEAR SYSTEMS (5-0-5)(F/S). Linear circuit signal amplification and processing using discrete and monolithic integrated circuits. Operational amplifier circuits including comparators, oscillators, active filters and instrumentation amplifiers. PREREQ: ET 152, ET 172.

ET 252 TELECOMMUNICATIONS SYSTEMS (3-0-3)(F/S). Radio and light-wave communications. Amplitude modulation, frequency modulation, pulse modulation and video systems. PREREQ: ET 172 or PERM/INST.

ET 264 DIGITAL SYSTEMS II (4-0-4)(F/S). Sequential logic concepts including flip-flops, shift registers and counters. Memory systems including ROM, SRAM, DRAM, FIFO, EPROM, EEPROM and video memory devices. PREREQ: ET 162 OR PERM/INST.

ET 265 DIGITAL SYSTEMS II LAB (0-5-1)(F/S). Laboratory exercises dealing with combinational and sequential digital devices to complement ET 264. See ET 264 course description. COREQ: ET 264 or PERM/INST.

ET 275 DIGITAL SYSTEMS III (3-0-3)(F/S). Analog-to-digital and digital-to-analog conversion, sampling, digital data transmission and reception. Data communication standards, protocols and conventions. Local area networks. PREREQ: ET 264.

ET 276 DIGITAL SYSTEMS III LAB (0-4-1)(F/S). Laboratory exercises dealing with data transmission and processing systems to complement ET 275. See ET 275 course description. COREQ: ET 275.

ET 277 MICROPROCESSOR SYSTEMS (3-0-3)(F/S). Study of micro-processor and microcontroller functions and operations. Microprocessor basics, addressing, instruction sets, input/output operations, interfacing and programming. PREREQ: ET 275 or PERM/INST.

ET 278 MICROPROCESSOR SYSTEMS LAB (0-4-1)(F/S). Laboratory exercises in microprocessor and/or microcontroller operations to complement ET 277. See ET 277 course description. COREQ: ET 277.

SC SEMI CONDUCTOR TECHNOLOGY

SC 181 INTEGRATED CIRCUIT PROCESSING I (4-0-4) (F). Study of the manufacturing processes involved in wafer fabrication of discrete and integrated circuit devices. Wafer manufacture and pre-process preparation. Materials safety and clean room practices. Photoresist coating, development and wet etching processes. Photomask preparation and alignment. Oxide growing processes and measurements. Basic doping processes. COREQ: SC 182.

SC 182 INTEGRATED CIRCUIT PROCESSING I LAB (0-9-3) (F). Laboratory to accompany SC 181. Laboratory safety. Photoresist preparation and spinning, oxide and metal etching, oxide growth and measurements, diffusion doping, aligner operation. COREQ: SC 181.

SC 183 INTEGRATED CIRCUIT PROCESSING II (4-0-4) (S). Further study of integrated circuit manufacturing processes. Doping levels, alignment integrity, ion implantation processes. Dry etching techniques and procedures. Metalization and vacuum system operation. Safety practices. Statistical process control applied to wafer fabrication. COREQ: SC 184.

SC 184 INTEGRATED CIRCUIT PROCESSING II LAB (0-9-3) (S). Laboratory to accompany SC 183. Vacuum systems, dry etching and metalization. Gas handling systems and safety. COREQ: SC 183.

EXTENDED PROGRAMS OFFERINGS

The following offerings are not required in the Electronic Technology AAS degree program. These courses are designed for technical upgrading of individuals working in industry and are to be offered apart from regular degree program offerings on a demand basis.

ET 290 LASER SYSTEMS (3-0-3). Course in LASER mechanics and optics. Coherent light, monochromaticity and polarization. Diffraction, refraction and reflection. Types of LASER devices and principles of operation. Safety considerations and BRH ratings. Applications of LASER devices including precision positioning and gaging, interferometric distance measurements, diffraction pattern analysis, LASER welding and communications and holography. PERM/INST.

ET 295 INTRODUCTORY FIBER OPTIC SYSTEMS (3-0-3). Basic electronics overview including voltage, current and power. Introductory digital electronics overview including the binary number system, pulse code modulation, sampling, analog-to-digital and digital-to-analog conversions and data transmission. Optical fiber qualities and use. Electrical-to-optical and optical-to-electrical conversion. Time division multiplexing of signals. Course designed for non-electronic technology majors.

ET 296 FIBER OPTIC SYSTEMS (3-0-3). Fiber optic systems for electronic technology majors. Properties of fiber material. Propagation of pulses in optical fiber, refraction laws and optical principles, propagation modes, temporal and chromatic dispersion, path loss calculations. Optical sources and detectors. Analog and digital transmission using optical fiber. Time, frequency and wavelength division multiplexing. Coherent heterodyne multiplexing techniques. Splicing techniques and safety considerations. PREREQ: ET 252 or PERM/INST.

Farm Business Management

Post Secondary Vocational Certificate

This ongoing program (the courses are offered concurrently) is designed to help farm business and family goals through improved management, organization and efficiency of their farming operations. IBM compatible computers are provided by the university for in class use. Students will have the opportunity to apply the classroom information and if that is the desire, they will need IBM compatible computers at home to do so.

Participants will meet on campus for the classroom portion of the program. They will also be assisted in their own operations, at their individual locations, by the instructor. Emphasis during the first year is on setting up the farming operations records system.

This program is not a production agricultural program but instead emphasizes the business and management skills needed to operate a successful farming operation during a widely fluctuating economic cycle. The use of the computer in this program is to aid the farm manager in making sound management decisions. The program also provides a solid background in record-keeping and accounting.

SUBJECTS	1st YR	2nd YR	3rd YR
Farm Business Records and Accounting FM 175	5		
Farm Business Analysis and Evaluation FM 178		5	
Fundamental Financial Management FM 181			5
Total			15

Course Offerings

See page 4 for definition of course numbering system.

FM Farm Business Management

FM 175 FARM BUSINESS RECORDS AND ACCOUNTING (2-8-5)(F,S). First year participants will study the fundamentals of farm accounting with a systematic approach to keeping accurate farm records. This course offers the opportunity of placing these records on microcomputer for general farm use. This course is designed for both experienced and inexperienced computer users and includes farm accounting procedures, account structure, enterprise accounting, balance sheet and income statements. Students will implement the principles learned in class in their own operations and will have a full year of instructor support to do so.

FM 178 FARM BUSINESS ANALYSIS AND EVALUATION (2-8-5) (F,S). Second year participants will learn financial statement analysis. This will involve the interpretation of business sheets, income statements and statements of cash flow. Ratio relationships between the financial statements will be explored. Short term (less than one year) and long term (up to five years) computerized budgeting, using electronic spreadsheets, will also be explored. Students will implement principles learned in class in their own operations and will have a full year of instructor support to do so.

FM 181 FUNDAMENTAL FINANCIAL MANAGEMENT (2-8-5)(F,S). Third year participants will study fundamental financial management. This will include calculating interest, analyzing the cost of using funds, determining impact of depreciation on investments, projecting returns on investments and evaluating lease and/or purchase decisions. Students will implement the principles learned in class in their own operations and will have a full year of instructor support to do so.

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 all phases of fire fighting. The intent of this program is to provide fire fighters with the latest technology needed to save lives and protect property in a safe and efficient manner. No previous fire fighting experience is required to begin this program; however, it is recommended that participants be members of paid or volunteer fire departments because specific activities in these courses require access to facilities and equipment located at fire departments. Courses are delivered through local fire departments, on demand, when sufficient enrollment is secured.

Students are required to complete at least 1440 hours of course work, 300 hours of practicum and four **General Education courses to complete the associate of applied science degree requirements. Special fees apply to this program. Students interested in this program should contact the College of Technology Outreach Division.

Following is a list of recommended course work and approximate hours of instruction.

TECHNICAL COURSE WORK HOURS

Orientation	120
Ladder	30
Hose	60
Fire Streams	60
Forcible Entry	30
Ventilation	30
Self-Contained Breathing Apparatus	90
Salvage & Overhaul	30
First Aid	90
Safety	90
Water Supplies	60
Building Construction	60
Fire Prevention	90
Hazardous Materials	60
Rescue	60
Fire Cause Determination	60
Fire Ground Management	60
Practicum/Work Experience	300

TECHNICAL SUPPORT COURSE WORK

Fund of Fire Mathematics	60
Fund of Fire Physics	120
Fund of Fire Chemistry	120

****GENERAL EDUCATION**

Two courses selected from: CM 11, 221, E 101-102	6
Two courses selected from: P 101, MM 201, 203, EC 205, 206	6

Course Offerings

See page 4 for definition of course numbering system.

FR FIRE SERVICE TECHNOLOGY

FR 100 FIRE TRAINING TECHNOLOGY (V-V-56). This program is designed to upgrade paid and volunteer fire fighters in the latest fire fighting and life saving techniques. The course work listed (except General Education requirements) for the Idaho State Fire Fighters certification, associate of applied science degree program, is delivered through statewide fire departments. All courses except General Education requirements will be graded Pass/Fail. PREREQ: PERM/INST.

Heavy Duty Mechanics—Diesel—Eleven Month Program

Technical Certificate
Instructors: Ted Brownfield, Chuck Tillman

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.

Student will be offered entry into the Heavy Duty MechanicsDiesel program two times per school year, in the fall and in the spring semester, depending on available seating.

NOTE: The PREREQUISITE for entering the Heavy Duty Mechanics Diesel program is the Core Block Mechanics program or the equivalent.

This program is incorporated with the Agricultural Equipment Technology program which allows enhancement of skills. A minimum grade of 'C' is required in all course work to graduate with a technical certificate.

SUBJECTS

	1st SEM	2nd SEM
Core Block Mechanics CB	8	
First Eight Week Block		
Engine Component Systems DM 157	5	-
Engine Brakes DM 169	1	-
Engine Fuel Systems DM 158	2	-
Total	8	-
Second Eight Week Block		
Clutches & Transmissions DM 160	2	-
Power Take-off & Drive Lines DM 161	2	-
Diff, Power Dividers, Final Drive & Planet Sys DM 162	2	-
Hydraulic Assist Trans & Hydrostatic Drives AE 175	2	-
Total	8	-
Third Eight Week Block		
Batt, Switch, Relays & Solen, Start & Charg Syst DM 164	-	5
Basic Hydraulics DM 165	-	1
Electrical Systems, Trouble Shooting AE 165	-	2
Total	-	8
Fourth Eight Week Block		
Air Conditioning Systems AE 150	-	2
Air Brake Systems DM 166	-	2
Hydraulic Brakes DM 167	-	2
Steering & Suspension Systems DM 168	-	2
Total	-	8
Summer Session		
Selected course work from Fall or Spring offerings with PERM/INST.		

Course Offerings

See page 4 for definition of course numbering system.

DM HEAVY DUTY MECHANICS—DIESEL

DM 157 ENGINE COMPONENT SYSTEMS (4-12-5). Theory and principles of operation. Engine disassembly rebuild and repair and assembly procedures. Intake and exhaust systems, lubrication systems, cooling systems, repairing cylinder heads, theory and principles of turbo chargers and super chargers, timing of various types of engines and injection systems. PREREQ: Core Block or PERM/INST.

DM 158 ENGINE FUEL SYSTEMS (2-4-2). This course covers the theory and principles of the major types of diesel fuel injection pumps, injection nozzle testing procedures, gasoline fuel systems, carburetors, fuel filters, fuel lines and fuel transfer pumps. PREREQ: Core Block or PERM/INST.

DM 160 CLUTCHES AND TRANSMISSIONS (2-4-2). Covers complete disassembly and assembly of heavy duty single and double disk clutches and theory and operation of heavy duty manual transmission with complete disassembly and assembly procedures to factory specifications. PREREQ: Core Block or PERM/INST.

DM 161 POWER TAKE-OFF AND DRIVE LINES (2-4-2). Will cover power take-off and drive line disassembly and assembly to factory specifications. PREREQ: Core Block or PERM/INST.

DM 162 DIFFERENTIAL, POWER DIVIDERS, FINAL DRIVE AND PLANETARY SYSTEMS (2-4-2). Includes complete disassembly and assembly of differentials, power dividers, theory of final drive systems, and planetary systems in heavy duty equipment. PREREQ: Core Block or PERM/INST.

DM 164 BATTERIES, SWITCHES, RELAYS AND SOLENOIDS, STARTING & CHARGING SYSTEMS (4-12-5). Introduction to batteries, switches, relays and solenoids, starter and charging systems used in electrical circuits of heavy duty equipment. PREREQ: Core Block or PERM/INST.

DM 165 BASIC HYDRAULICS (2-1-1). Introduction to basic hydraulic theory and practices of hydraulic systems, lines, fittings, accumulators, oil coolers, circuits, valves, pumps and motors. PREREQ: Core Block or PERM/INST.

DM 166 AIR BRAKE SYSTEM (2-4-2). Air compressors, air brakes, parking brakes, air cans, spring brake cans, slack adjustors, brake shoes, air tanks and air piping. PREREQ: Core Block or PERM/INST.

DM 167 HYDRAULIC BRAKES (2-4-2). System components and functions of brake systems including brake shoes, drums, wheel bearings, wheel spindles, seals, brake adjustments. PREREQ: Core Block or PERM/INST.

DM 168 STEERING AND SUSPENSION SYSTEMS (2-4-2). Suspension system including torsion bars, springs, air suspensions, wheels, tires, frames. PREREQ: Core Block or PERM/INST.

DM 169 ENGINE BRAKES (1-4-1). Jacobs and Cummins compression brake components and operation, retarders, construction and operation. PREREQ: Core Block or PERM/INST.

Horticulture Service Technician—Two Year Program

(Landscape Construction and Maintenance)
Associate of Applied Science Degree
Instructors: Leslie Blackburn, Gary Moen, Bonnie Sumter

The objective of the Horticulture Program is to prepare students for employment in the Landscape, Nursery, Floral, Greenhouse and Fruit and Vegetable industries. This includes the production, sales and service areas of these major fields. The program stresses the design of landscapes, their interpretation and construction including costs, production of nursery plants, plant propagation and landscape planting. Graduates of the Horticulture program qualify for positions in Nursery and Floral establishments as well as in Parks, Grounds, Maintenance and Highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields.

	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
Elements of Marketing MM 201	-	3
Salesmanship MM 101	3	-
Total	18	19

Course Offerings

See page 4 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.

HO 141-142 RELATED BASIC SCIENCE (2-0-2). First semester: developing comprehension of the scientific principles utilized in plant identification, plant growth and development, limiting factors, development which aid plant propagation. Second semester: developing comprehension of the scientific principles utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides, soils and fertility.

HO 151-152 HORTICULTURE THEORY (7-0-7). First semester: developing comprehension, analysis and evaluation of: introduction to the field of horticulture, plant classification and growth, climate and other growth limiting factors, soil and soil amendments. Second semester: developing comprehension, analysis and evaluation of: plant propagation; growing containers; insect and disease control; and pesticide application, 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, arbor 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 course work for the A.A.S. 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 technical certificate that is available for each respective program is retained. The A.A.S. degree program is an option beyond the technical certificate.

SUBJECTS	1st SEM	2nd SEM
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
Electromechanical Systems IM 114	3	-
Electromechanical 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
Fund of Speech Communication CM 111		3
Interpersonal Communication CM 221		3
General Psychology P 101		3
Brain, Mind & Behavior P 125		1
Total		10

*IM 262 OR RH 262 required for A.A.S. degree.

Industrial Mechanics/Automation—Nine Month Program

Technical Certificate
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 work place today. Preventive maintenance techniques and job safety are stressed.

SUBJECTS	1st SEM	2nd SEM
Maintenance Welding Technology IM 101	3	-
Maintenance Machine Fundamentals IM 102	-	3
Electromechanical Systems IM 114	3	-
Electromechanical 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 4 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 lay-out 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 ELECTROMECHANICAL 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 ELECTROMECHANICAL 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). 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 Tool Technology—Nine Month or Two Year Program

Technical Certificate
Associate of Applied Science Degree
Instructor: John Berreth, Don Wertman

Boise State University offers a specialized Machine Tool Technology 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.

Upon enrollment in the Machine Tool Technology program, the student will have the opportunity to pursue a one-year technical certificate in Machine Tool Technology, by taking all classes listed under Freshman Year, or a two-year associate of applied science degree in Machine Tool Technology.

A minimum grade of 'C' is required in all course work to receive a technical certificate or an associate of applied science degree.

FRESHMAN YEAR	1st SEM	2nd SEM
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 Communication 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 4 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)(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 principals 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 and 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 machine 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 control 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
Instructors: Ed Lonsdale, Tom Murray, Larry Thatcher

The Manufacturing Technology Program is designed to prepare entry level technicians to plan, organize and control manufacturing processes. Graduates from this program will be prepared to participate in a modern manufacturing environment with a technical understanding of how each particular function integrates into a complete manufacturing system. In addition, they will be prepared to utilize the current techniques of computer integrated manufacturing.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Material & Process Manufacturing MN 100	2	-
Computer Fund for Technology EN 102	3	-
Industrial Organization & Intro CIM MN 102	3	-
Intermediate Algebra M 108	4	-
Intro to Machining Processes I MN 141	3	-
English Composition E 101	3	-
Engineering Graphics EN 108	-	2
Industrial Safety MN 112	-	2
AC/DC Theory MN 121	-	3
Advanced Machining Processes II MN 180	-	3
Technical Physics MN 231	-	4
Fund Speech Communication CM 111	-	3
Total	18	17
SOPHOMORE YEAR		
Prin of Microeconomics EC 205	3	-
Quality Assurance & Statistical Process Control MN 201	4	-
Robotics & Automated Machine Tool Programming MN 211	2	-
Material Control MN 240	3	-
Jig, Fixture & Tool Design MN 261	3	-
Computer Aided Design/Comp Aided Manufacturing MN 212	3	-
Manufacturing Plan & Facility Design/Modification MN 202	-	3
Manufacturing Cost Analysis MN 250	-	3
Interpersonal Communication CM 221	-	3
Hazardous Waste Material Handling MN 232	-	2
Manufacturing Project MN 280	-	4
Total	18	15

Course Offerings

See page 4 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 overview of the production and general properties of com-mon 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 102 INDUSTRIAL ORGANIZATION & INTRO TO CIM (3-0-3)(F/S). The exploration of dynamic industrial relationships and organizational theories. An overview of both internal and external factors that impact industry. An in-depth introduction to CIMComputer Integrated Manufacturing.

MN 112 INDUSTRIAL SAFETY (2-0-2)(F/S). Federal, state and local safety codes applying to materials, material handling and equipment.

MN 121 AC/DC THEORY (3-2-3)(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 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: M 108 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. PREREQ: MN 180 or equivalent.

MN 231 TECHNICAL 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 technologiesthose 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: M 108 or equivalent. (May be taken in either the Freshman or Sophomore year.)

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 240 MATERIAL CONTROL (3-0-3)(F/S). The integration of the materials function into a CIM environment. A study of inventory control, material requirement planning, master scheduling, capacity planning, material movement and shop floor control. PREREQ: M 108.

MN 250 MANUFACTURING COST ANALYSIS (3-0-3)(F/S). A study of the methodologies used in recording and reporting product cost. The application of manufacturing engineering technology skills to lower and/ or maintain product cost. PREREQ: MN 240.

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: M 108, COREQ: MN 212.

MN 280 MANUFACTURING PROJECT (2-6-4)(F/S). A capstone course utilizing all the skills attained to design and simulate a manufacturing operation for an assigned product. Students will work individually and in small teams. PREREQ: MN 261, COREQ: MN 202.

Mechanical Welding Technician—Two Year Program

This double major option combines the Welding/Metal Fabrication and Heavy Duty Mechanics Curricula. Additional general education course work for this associate of applied science degree is 3 credits in Communications selected from CM 111, CM 221 or MM 101 AND 6 credits selected from P 101, EC 205, EC 206, MM 201, MM 203.

Detailed course descriptions for Welding/Metal Fabrication, Core Block Mechanics and Heavy Duty Mechanics (Diesel) can be found under those programs in the Boise State University Catalog.

Technical certificates are available for each individual program. The A.A.S. degree program is an option beyond the technical certificate level.

SUBJECTS

Core Block Mechanics CB 8

	1st SEM	2nd SEM
First Eight Week Block		
*Engine Component Systems DM 157	5	-
*Power Take-Off & Drive Lines DM 161	2	-
*Engine Fuel Systems DM 158	2	-
Total	9	
Second Eight Week Block		
*Clutches & Transmissions DM 160	2	-
*Basic Hydraulics DM 165	1	-
*Diff, Pwr Div, Final Drv & Plan Sys DM 162	2	-
Advanced Hydraulics AE 170	1	-
Hydr Assist Transm & Hydrost Drives AE 175	2	-
Total	8	
Third Eight Week Block		
*Batteries, Switches, Relays & Solenoids, Starting & Charging Systems DM 164	-	4
Electrical Systems, Trouble Shooting AE 165	-	2
Air Conditioning Systems AE 150	-	2
Hay & Forage AE 160	-	1
Total		9

*See Heavy Duty Mechanics-Diesel Program for course descriptions.

SUBJECTS	1st SEM	2nd SEM	Summer
Welding Lab W 106-107	5	5	-
Welding Lec/Lab W 108	-	-	6
Blueprint Reading & Layout W 125-126	3	7	-
Welding Communication W 111	3	-	-
Welding Theory W 155-156	4	1	-
Intro Microcomputers W 157	-	-	1
Occupational Relations W 262	-	2	-
*Communications	3	-	-
**General Education	6	-	-
Total	24	15	7

*Chosen from: CM 111, CM 221 OR MM 101.
**Chosen from: P 101, EC 205, EC 206, MM 201, MM 203.

Mid-Management—Two Year Program

Associate of Applied Science
Instructors: Starla Haislip, Richard Lane

The Mid-Management program is designed to provide students with basic skills, an understanding of the business environment, and technical skills and knowledge needed for employment in supervisory or management-trainee positions in retail, finance, or service-oriented businesses, or to prepare for small business ownership.

Upon successful completion of the program, students will have skills in sales strategies, retail merchandising, marketing and management principles and techniques, communication, and computer applications. Emphasis is placed on developing problem-solving and decision-making abilities in addition to technical skills.

As a complement to their technical education, students will complete two semesters of supervised internship in local businesses. This experience will enable students to apply marketing and management skills learned in the classroom to on-the-job business situations.

	1st SEM	2nd SEM
FRESHMAN YEAR		
Salesmanship MM 101	3	-
Elements of Marketing MM 201	3	-
Business Math OF 105	3	-
Intro Information Processing OF 162	2	-
Intro to Microcomputers OF 161	2	-
Introduction to Business GB 101	3	-
Intro to Microcomputer Appl Retailing MM 250	-	3
Fundamentals of Supervision OF 256	-	2
English Composition E 101	-	3
Fund of Speech Communication CM 111	-	3
Introduction to Financial Accounting AC 205	-	3
*Electives	-	2
Total	16	16
SOPHOMORE YEAR		
Principles of Promotion MM 203	3	-
Retail Merchandising MM 204	3	-
English Composition E 102	3	-
Principles Microeconomics EC 205	3	-
Mid-Management Internship MM 293	3	3
*Electives	3	3
Report Writing MM 209	-	3
Elements of Management MM 257	-	3
Display & Promotion MM 212	-	3
Legal Environment of Business GB 202	-	3
Total	18	18

*Approved Electives General Psychology P 101, Prin of Macroeconomics EC 206, Job Seeking Skills/Career Planning OF 153, Spreadsheet I OF 201, Intro Data Base Management OF 202, Spreadsheet II OF 254, Leadership Development MM 104, Mid- Management Internship MM 293.

NOTE: Students are required to take 6 credits of the Mid-Management Internship. Three additional internship credits may count toward departmental elective requirements.

Course Offerings

See page 4 for definition of course numbering system.

MM MID-MANAGEMENT

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. Includes analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques.

MM 104 LEADERSHIP DEVELOPMENT (2-0-2)(F/S). This course will further the professional development of students in business. Students will be evaluated on leadership skill development, parliamentary procedure, interpersonal communication, business-related skill enhancement through state and national leadership conferences and business-oriented community and campus projects. This course may be repeated once for credit.

MM 201 ELEMENTS OF 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 PROMOTION (3-0-3)(F/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/S). Prepares the student to write reports and other types of business communication. Emphasis is on the planning, organization, analysis and writing of reports and related business communication. Research methods and the use of verbal and visual materials will also be included. Mid-Management majors only.

MM 212 DISPLAY AND PROMOTION (3-0-3)(F/S). This course will cover practical applications of the various forms of promotion used by business today. Students will be required to organize and construct promotional plans applying strategies and theories learned in MM 203. PREREQ: MM 203.

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

MM 257 ELEMENTS OF MANAGEMENT (3-0-3)(F/S). Principles of management related to the functions of planning, organizing, staffing, directing and controlling. Focus on practical applications of job design and analysis, employee training and development, motivation, leadership, art of negotiation, improving team performance and productivity and creative problem-solving as they relate to retail, service and wholesale fields. PREREQ: OF 256. Mid-Management majors only.

MM 293 MID-MANAGEMENT INTERNSHIP (1-8-3)(F/S). For students enrolled in the mid-management program this provides actual experience in retail, wholesale, or service fields as a paid employee. Student is evaluated by both the employer and the program coordinator. Students will learn the basic attitudes and knowledge needed to keep a job and adjust to situations encountered on the job. Students are required to take 6 credits of internship but may earn a maximum of 9 credits (3 credits of elective).

Practical Nursing—Eleven Month Program

Technical Certificate
Instructors: Mary Hammond, Karla Jones, Dessa Lagerstrom, Hilary Lopez, Mary Noreen, Mary Ann Towle

The Practical Nursing program, in cooperation with area hospitals, area 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 motivative 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 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 Practical Nursing 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 Computer Appl Occupational Relat PN 180	1
Total	58

Course Offerings

See page 4 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 (0-28-7). Clinical experience for PN 121-122.

PN 105 NUTRITION AND DIET THERAPY (2-0-2). An introduction to nutrition and identification of body nutritional needs in health and illness, including the study of diet therapy.

PN 106 EMERGENCY NURSING CONCEPTS (2-0-2). A study of assessment and immediate and temporary treatment of persons involved in accidents or other emergency situations.

PN 107 PHARMACOLOGY FOR PRACTICAL NURSING (3-0-3). A study of drug classification, modes of administration and principles of mathematics essential to drug administration.

PN 108 PHARMACOLOGY CLINICAL (0-4-1). Clinical experience for PN 107. PREREQ: PN 107.

PN 109 GERIATRIC NURSING (1-0-1). A study of the health needs and problems particular to the elderly patient.

PN 110 GERIATRIC CLINICAL (0-4-1). Clinical experience for PN 109. PREREQ: PN 109.

PN 112 MATERNAL AND INFANT CLINICAL (0-4-1). 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

Postsecondary Vocational Certificate
Instructors: Bob Castleberry, Jerry Hibbard, Leon Morrison, Ray Reeves, Larry Ridenour

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 postsecondary vocational certificate is issued upon satisfactory completion of the program. All students must meet the Department of Transportation's physical standards, have a Department of Motor Vehicles driver's record check and successfully pass the state commercial driver's license exam.

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 4 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.

Recreational and Small Engine Repair Technology—Nine Month Program

Technical Certificate
Instructor: Jeff Schroeder

The Recreational and Small Engine Repair Technology Program will include classroom, lab and shop experiences directed to maintaining and repairing of a variety of two and four cycle engines used on recreational vehicles, e.g., snowmobiles, motorcycles, four-wheelers, watercraft and portable power equipment, e.g., lawn mowers, chain saws, rotary tillers. The instructional units will emphasize the complete repair of various types of small engines and the equipment related to it's use.

SUBJECTS	1st SEM	2nd SEM
Small Engine Laboratory SE 101-102	8	8
Small Engine Theory SE 141-142	6	6
Intro Microcomputers SE 129	-	1
Occupational Relationships SE 181	-	1
Total	14	16

Course Offerings

See page 4 for definition of course numbering system.

SE RECREATIONAL AND 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 129 INTRODUCTION TO MICROCOMPUTERS (2-0-1)(S). Introduces the student to microcomputer skills related to the mechanical technology service field, including DOS and basic word processing.

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.

Refrigeration, Heating and Air Conditioning—Nine Month Program

Technical Certificate
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	1st SEM	2nd SEM
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 4 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

Technical Certificate
Instructors: David Nuerenberg, B.S.RRT; Charles Reed, M.D.; Vera McCrink, B.S.RRT-CPFT

The Respiratory Therapy Technician program is designed to provide students with the necessary theory and skills to become employed as a Respiratory Therapy Technician upon graduation and be eligible to write the Certified Respiratory Therapy Technician National Examination. The program includes the study of anatomy, physiology, microbiology, pharmacology, pathology and specialized subjects related to respiratory therapy.

Clinical experience consists of supervised, acute and long term care experience in treatment of respiratory disease. The various acute and long term care facilities provide a vastly diversified experience in cardiopulmonary care.

The program is fully accredited by the Council on Allied Health Education and Accreditation of the American Medical Association.

A technical certificate is awarded upon completion of the program.

FIRST SUMMER SEMESTER

Anatomy & Physiology RS 111	4
Medical Terminology RS 109	1
Basic Airway Management RS 108	1
Total	6

FALL SEMESTER

Basic Science RS 112	2
Communications RS 117	1
Microbiology RS 119	1
Pharmacology RS 120	3
Clinical Assessment RS 113	2
Advanced Airway Management RS 150	1
Hyperinflation Therapy RS 122	1
Gas Therapy Lab RS 115	1
Gas Therapy Theory RS 114	3
Electrocardiography RS 153	1
Clinical Practicum I RS 121	2
Total	18

SPRING SEMESTER

Cardiopulmonary Pathophysiology RS 151	4
Mechanical Ventilation Theory RS 154	4
Mechanical Ventilation Lab RS 155	3
Pulmonary Function Theory RS 156	1
Clinical Practicum II RS 158	4
Pediatrics and Neonatology RS 159	1
Total	17

SUMMER SEMESTER

Clinical Lecture Series RS 175	3
Respiratory Care Review RS 176	4
Clinical Practicum III RS 179	8
Total	15

Course Offerings

See page 4 for definition of course numbering system.

RS RESPIRATORY THERAPY TECHNICIAN

RS 108 BASIC AIRWAY MANAGEMENT (1-0-1)(SU). An introduction to basic airway management and the resuscitation instruction and application to the adult, child and infant within the medical facility. PREREQ: PERM/INST.

RS 109 MEDICAL TERMINOLOGY (1-0-1)(SU). A study of the language of medicine organized into basic work structure (prefixes, roots, suffixes) and terms pertaining to the body systems. PREREQ: PERM/INST.

RS 111 ANATOMY AND PHYSIOLOGY (4-0-4)(SU). 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 (3-0-3)(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 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 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 122 HYPERINFLATION THERAPY (1-0-1)(F). A study of the theory and application of intermittent positive pressure breathing (IPPB) and incentive spirometry (IS). PREREQ: PERM/INST.

RS 150 ADVANCED AIRWAY MANAGEMENT (1-0-1)(F). A study of the placement, use and care of artificial airways including intubation, extubation, manual ventilation and suctioning. 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 153 ELECTROCARDIOGRAPHY (1-0-1)(F). 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 (4-0-4)(S). A comprehensive study of ventilators, original through current models, 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 (0-12-3)(S). Lab practice with original through current models of ventilators, including special techniques and augmented by clinical experience. PREREQ: PERM/INST.

RS 156 PULMONARY FUNCTION THEORY (1-0-1)(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 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 159 PEDIATRICS AND NEONATOLOGY (1-0-1)(S). A study of the development of the respiratory system during gestation, infancy, early childhood and common complication and equipment used. 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 (4-0-4)(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 (0-32-8)(SU). The student will obtain clinical experience under direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

Surgical Technology—Nine Month Program

Technical Certificate
Instructor: Sharon GollicK, Bonnie Sumter

The Surgical Technology Program, in cooperation with three area hospitals, is 9 months in length and consists of competency-based classroom, laboratory and clinical instruction. The program is accredited by the American Medical Association, Committee on Allied Health and Education and Accreditation. A technical certificate is awarded upon graduation from the program. Students are then eligible to take the National Certification Exam for Surgical Technologists.

Classroom and laboratory work includes instruction and practice in operating room techniques, infection: process, prevention and control, care of surgical patient and human anatomy and physiology.

Clinical experience is supervised hands-on hospital experience in scrubbing for a variety of surgical procedures. Failure to meet both the theory and clinical areas may result in termination from the program.

Classes begin Fall Semester only.	1st SEM	2nd SEM
Introduction & Basic Sciences ST 100	3	-
Operating Room Techniques ST 101	4	-
Sterilization & Disinfection ST 102	-	1
Preparation of Surgical Patient ST 110	3	-
Surgical Procedures ST 111	-	7
Peri Operative Care Surgical Patient ST 116	-	1
Surgery Clinical Practice ST 132	-	9
Anatomy & Physiology for Surgical Technology ST	6	-
Intro Computer Appl Occupational Relations ST 262	2	-
Total	18	18

Course Offerings

See page 4 for definition of course numbering system.

ST SURGICAL TECHNOLOGY

ST 100 INTRODUCTION AND BASIC SCIENCES (3-0-3)(F). The study of: (1) The Health Care Team and its Language; (2) The Evolution of Asepsis; (3) Ethical Moral and Legal responsibilities; (4) The Operating Room Suite, (5) Principles of Asepsis; (6) Introduction to Pharmacology; (7) Introduction to Oncology; (8) Disease Conditions; (9) Diagnostic Procedures; (10) Communication in Surgical Technology, including introduction to computers.

ST 101 OPERATING ROOM TECHNIQUES (3-3-4)(F). The study of: (1) Safety and Economy in the Operating Room; (2) Duties of the Scrub and Circulating Technician; (3) Surgical Hand Scrub, Gown and Glove Procedures; (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). The study of: (1) Introduction to MicrobiologyThe Microbe; (2) Introduction to MicrobiologyThe Body's Defenses; (3) Injury, Wound Healing and Hemostatic; (4) InfectionThe Process, Prevention and Control; (5) Sterilization and Disinfection Methods.

ST 110 PREPARATION OF THE SURGICAL PATIENT (2-4-3)(F). The study and practice designed to enable the student to become skilled in assisting with the preparation, transportation, positioning and anesthesia of the surgical patient.

ST 111 SURGICAL PROCEDURES (6-4-7)(S). The study of: (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 116 PERI OPERATIVE CARE OF SURGICAL PATIENT (1-2-1)(S). The study of patient care in recovery room, outpatient surgery, emergency room procedures.

ST 132 SURGERY CLINICAL PRACTICE (0-36-9)(S). Clinical experience in surgery, scrubbing and orientation to circulating.

ST 140 ANATOMY AND PHYSIOLOGY FOR SURGICAL TECHNOLOGY (6-0-6)(F). A study of the normal structure and function of the body cells, tissues, organs and systems, including interrelationship of body systems.

ST 262 INTRODUCTION COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (2-0-2)(F). A study of job seeking skills, written communication, interpersonal relations and hands-on use of computer technology to complete personal data packet.

Water/Wastewater Environmental Technology—Eleven Month Program

Technical Certificate
Instructor: Gerald Dennis

The Water/Wastewater Environmental Technology Program is designed to prepare a student for employment as an entry level water or wastewater treatment plant operator. The program covers the entire phase of basic treatment plant operations, related math and sciences, maintenance, public relations, communications and report writing. "Hands-on" experience is provided in the classroom and when the student works at area water and/or wastewater facilities during practicum.

SUBJECTS	1st SEM	2nd SEM	Summer
First eight modules - each in one/two week units:			
Drinking Water Regulations WW 108	2	-	-
Source Water Management WW 109	2	-	-
Disinfection WW 112	2	-	-
Coagulation and Flocculation WW 113	2	-	-
Water Plant Operation WW 114	2	-	-
Water Distribution WW 115	2	-	-
Pump Operation WW 116	2	-	-
Occupational Relations WW 262	1	-	-
Total	15	-	-
Second eight modules - each in one/two week units:			
Collection Systems WW 122	-	2	-
Primary Wastewater Treatment WW 123	-	2	-
Wastewater Operations I WW 124	-	2	-
Secondary Wastewater Treatment WW 125	-	2	-
Wastewater Operations II WW 126	-	2	-
Wastewater Mechanics Lab WW 127	-	2	-
Wastewater Sludge Handling WW 128	-	2	-
Occupational Relations WW 262	-	1	-
Total	-	15	-
Third module - eight weeks:			
Water/Wastewater In Plant Practicum WW 161	-	-	4
Total	-	-	4

Course Offerings

See page 4 for definition of course numbering system.

WW WASTEWATER ENVIRONMENTAL TECHNOLOGY

WW 108 DRINKING WATER REGULATIONS (30-30-2)(F). This course is designed to teach the student the rules and regulations that govern the water supply industry. It focuses on existing and upcoming state EPA requirements, what drinking purveyors must comply with, and the standards of operations that must be maintained. Students will be familiarized with the most recent standards for water purveyors and water treatment plant operations. This unit will introduce the student to basic chem-lab equipment and operator's math.

WW 109 WATER SOURCE MANAGEMENT (30-30-2)(F). This course is designed to provide the basic knowledge of surface and ground water delivery. The requirements to manage a water intake system and to protect a wellhead and recharge area will be covered. The student will learn about reservoir management, what causes taste and odor problems and how to control their effects. Well water operation, standby power source, math and various water supply requirements will be discussed and practiced.

WW 112 DISINFECTION (30-30-2)(F). The student will learn about disinfecting water and maintaining a safe water distribution system through the use of back-flow prevention. Chlorine and other oxidizers will be discussed with emphasis on safety, math, chemistry and laboratory techniques to monitor and control disinfection. The use of emergency equipment will be discussed and practiced. Record keeping of chemical usages will also be studied.

WW 113 COAGULATION AND FLOCCULATION (30-30-2)(F). The student will learn about the initial stages and operation of a water treatment plant including the necessary equipment to treat surface water. Operator's math will be discussed and used to determine feed rates, detention times and flow rates.

WW 114 WATER PLANT OPERATION (30-30-2)(F). The operation of a water filtration plant will be discussed. Students will practice math, chemistry and operational techniques. Also reference logs and record keeping will be covered.

WW 115 WATER DISTRIBUTION (30-30-2)(F). This course covers how water storage and distribution systems are constructed and operated. Specific topics to be covered are hydraulics, maintenance of systems, fire protection and service connections.

WW 116 PUMP OPERATION (30-30-2)(F). Pump construction and operation will be covered. Different types of pumps, particularly centrifugal pumps, will be discussed. The student will learn the dynamics of pumping and how to replace packing and select mechanical seals. Operation of pumps, fundamentals used to move water, and other requirements involving pumping will also be covered. Operation techniques and mechanical requirements will be discussed and practiced in this unit.

WW 122 COLLECTION SYSTEMS (30-30-2)(S). This unit focuses on how and why wastewater collection systems are managed, maintained and repaired. Techniques will be presented to locate infiltration and exfiltration in a sewer line including methods for locating unauthorized or illegal connections. This unit will introduce the student to basic chem-lab equipment and operator's math.

WW 123 PRIMARY WASTEWATER TREATMENT (30-30-2)(S). This course will cover the need for wastewater treatment and how primary treatment removes solids. There will be discussions on, and practice in, operator's math as related to detention time, surface loading and solids pumping.

WW 124 WASTEWATER OPERATIONS I (30-30-2)(S). The student will learn about gravity thickeners and other solids handling equipment. Chem-lab and wastewater math will be discussed and practiced.

WW 125 SECONDARY WASTEWATER TREATMENT (30-30-2)(S). The student will learn about biological control of trickling filters, rotating biological contractors and bio-towers. Math and chem-lab will be discussed and practiced.

WW 126 WASTEWATER OPERATIONS II (30-30-2)(S). This unit supplements other units and introduces activated sludge treatment and techniques. The student will learn what is required to maintain a healthy biota for the reduction of bio-chemical oxygen demand and the operational requirements needed to maintain a balance in the activated sludge system. Math and chem-lab will be discussed and practiced.

WW 127 WASTEWATER MECH-LAB (30-30-2)(S). This course will cover operation and maintenance of mechanical equipment such as pumps, chemical feeders, flow controlling devices and tanks. Math, chem-lab and operation techniques will be continued from previous units.

WW 128 WASTEWATER SLUDGE HANDLING (30-30-2)(S). The student will learn about sewage sludge. Various types of sludge management equipment will be discussed including digesters, incinerators and drying processes. Also covered will be sludge management and the rules and regulations that wastewater plant operators must comply with. Math and chemical analysis of sludge will be discussed.

WW 161 WATER/WASTEWATER IN PLANT PRACTICUM II (0-280-4)(SU). The student will complete a supervised practicum at both a water and wastewater treatment facility and gain experience in the different phases of treatment and water production as well as the operational techniques used in wastewater treatment plants. Appropriate course work must be completed prior to starting the practicum.

WW 262 OCCUPATIONAL RELATIONS (15-15-1)(F/S). This course is designed to enable a student to deal effectively with people, and to advance in the water/wastewater profession. It also involves an examination of occupational requirements and focuses on job seeking skills, employer and employee relations, as well as legalities of the work place. May be repeated once for credit.

Welding and Metals Fabrication—Eleven Month Program

Technical Certificate
Instructor: Gary Arambarri, Ron Baldner

The Welding and Metal Fabrication Program provides the student with instruction, practical experience and related theory in Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux-cored Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW), manual and automatic Oxyacetylene Burning, Brazing, Soldering, Air Carbon Arc Gouging and Plasma Arc Gouging and Cutting.

The student will also learn Blueprint reading and Layout skills and apply them by using common hand layout tools, mechanical metal shears, mechanical metal bending and performing equipment, hole punching in plate and structural shapes, drilling equipment, precision automated Oxyacetylene burning equipment, Computer Numerical Controlled (CNC) Plasma cutting, Precision CNC metal shearing, Precision CNC Oxyacetylene shape cutting equipment, CNC assisted metal bending (pressbrake) and other tools of the trade.

SUBJECTS	1st SEM	2nd SEM	Summer
Welding Lab W 106-107	5	5	-
Welding Lecture/Lab W 108	-	-	6
Blueprint Reading & Layout W 125-126	3	7	-
Welding Communication W 111	3	-	-
Welding Theory W 155-156	4	1	-
Intro Microcomputers W 157	-	-	1
Occupational Relations W 262	-	2	-
Total	15	15	7

Course Offerings

See page 4 for definition of course numbering system

W WELDING

W 106 WELDING LABORATORY (0-20-5)(F). This course will allow the student to apply and practice those skills discussed in the WELDING THEORY and BLUEPRINT READING AND LAYOUT courses. Emphasis will be on acquiring new skills in a number of areas related to the occupation including shielded metal arc welding (SMAW) (stick welding); Oxyacetylene Burning (manual and automatic); Oxyacetylene Brazing, soldering and welding (OAW); Gas Metal Arc Welding (GMAW)(MIG); Flux cored Arc Welding (FCAW); Material Identification; Electrode selection; and Layout and Fabrication Skill.

W 107 WELDING LABORATORY (0-20-5)(S). This course will allow the student to apply and practice those skills discussed in the WELDING THEORY and BLUEPRINT READING AND LAYOUT courses. Emphasis will be on acquiring job entry level skills in the following areas: Shielded metal arc welding (SMAW); Oxyacetylene Burning (manual and automatic); Oxyacetylene Brazing, soldering and welding (OAW); Gas Metal Arc Welding (GMAW)(MIG); Flux Cored Arc Welding (FCAW); Material Identification; Electrode selection; Layout and Fabrication Skill; Air Arc Gouging; Welder Qualification tests. PREREQ: W 106 or PERM/INST.

W 108 WELDING LECTURE/LABORATORY (6-24-6)(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. PREREQ: W 107 or PERM/INST.

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. PREREQ: W 106 or PERM/INST.

W 125 BLUEPRINT READING AND LAYOUT (3-0-3)(F). This course will include the basics of Orthographic drawing, layout and fabrication techniques for plate and gauge material developments or rectangular and triangular shapes, flat pattern development of rectangular shapes and the related math required to accomplish the above listed developments.

W 126 BLUEPRINT READING AND LAYOUT (7-0-7)(S). This course involves using advanced blueprint reading and layout techniques to develop triangular constructions, rectangle to rectangle transitions, round to round transitions, circles and rolled shapes as well as the related math. Also included will be structural detailing, layout and fabrication of structural shapes and the related symbols, abbreviations and ordering information. PREREQ: W 125 or PERM/INST.

W 155 WELDING THEORY (4-0-4)(F). The purpose of this course is to provide the student with a practical working knowledge of the following topics: 1. Basic Welding Theory, 2. Oxyacetylene Burning, 3. Electrode Selection, 4. Continuous Wire feed Welding processes, 5. Oxyacetylene Brazing, Soldering and Welding, 6. Properties of Materials, 7. Material Identification and Basic Metallurgy

W 156 WELDING THEORY (1-0-1)(S). The purpose of this course is to provide the student with a practical working knowledge of the following topics: 1. Welding Sheet metal with the SMAW and GMAW processes 2. Control of Arc blow and Weldment Distortion, 3. Air Arc Gouging, 4. Weldor Qualification testing. PREREQ: W 155 or PERM/INST.

W 157 INTRODUCTION TO MICROCOMPUTERS (2-0-1)(SU). This course introduces the student to microcomputer skills related to the welding field, including Disk Operating System and basic word processing.

W 262 OCCUPATIONAL RELATIONSHIPS (2-0-2)(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, Cardiac Pulmonary Resuscitation and First Aid.

NOTE: The date in parentheses is the year of first appointment.

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Clara W. Wood, Custodian, Physical Plant (1970-1984)

Listed below are terms commonly used at colleges or universities or terms used specifically at Boise State University. This section is designed to provide a brief definition of usage. To obtain detailed information about policies or programs, please refer to the appropriate section of this catalog.

Academic Advising: The process between a student and an academic advisor in which the student forms educational goals and plans ways to achieve them. Students who want to register for eight or more credits are required to obtain an advisor's signature on their official advising/registration form.
Academic Advisor: A faculty or professional staff member who assists students in the development of an academic plan and in the selection of appropriate courses for registration.
Accreditation: Accredited programs and institutions meet certain standards set for it by a professional or government organization. Normally accreditation lasts for a certain number of years, after which the program or institution is re-evaluated to make sure it still meets the standard criteria. Boise State University is accredited by the Northwest Association of Schools and Colleges. Specific departments and majors are also accredited by a variety or organizations and agencies.
ACT: American College Test. This, or the SAT (Scholastic Aptitude Test), is required for all undergraduate students applying for admission to Boise State University.
Adjunct Faculty: A qualified person who teaches or consults at the university on a part-time basis.
Admission: The process of being admitted to the university. This usually requires submission and evaluation of test scores, high school and college transcripts and evaluation of those to determine eligibility for admission.
Advanced Placement (AP): A method of receiving college credit by taking a test administered by the College Entrance Examination Board.
Alumni: Those who have attended or graduated from a school, college or university. "Alumni" is the plural form; the feminine singular is "alumna" and the masculine singular is "alumnus."
AP: See Advanced Placement.
Associate degree: A two-year degree.
Associated Students of Boise State University (ASBSU): BSU's student governing body. Elections are held in the fall for the Student Senate and in the spring for officers.
Area Requirements: (See Core).
Arbiter: The student newspaper published weekly during the academic year.
Audit: Enrollment without grade or credit. Allowed on a space-available basis and instructor may require exams and class participation. Course fees are the same for audit or credit.
Baccalaureate degree: The same as a bachelor's degree.
Bachelor's degree: The degree received after four or more years of full-time study at a college or university that complies with established requirements.
Bluebook: An examination booklet some instructors require students to use when they take essay tests. These are available in the Bookstore.
Board of Education: A nine-member governing body appointed by the Governor of Idaho. The Board meets bi-monthly to decide on matters affecting the University and higher education in Idaho.
Certification, teacher: The state of Idaho sets certain standards that all teachers employed in the state must meet.
Challenge: The ability to obtain credit for a course through examination or other validation process.
Chair: The head of an academic department.
Change of schedule: See Drop/Add.
Class schedule: (1) A guide to the classes offered each semester, published by the Registrar's Office. It lists the courses to be offered, meeting days, times, instructors, etc. Also called "Directory of Classes". (2) A schedule of classes which can be printed for each student listing the courses registered for in a current or future semester.
CLEP: College Level Examination Program; a way to earn credit by taking tests.
Closed: Most courses have a limit on how many students can enroll. If a course is closed, it cannot accommodate any more students.
Collation: A listing of courses from other colleges or universities a student has attended that BSU has accepted as equivalent to BSU courses or accepted as non-equivalent electives.
Continuing education: A program of credit or non-credit courses, usually offered off-campus to meet professional and community needs.
Co-requisite: Co-requisite courses must be taken together, usually a lecture and a lab. If a course has a co-requisite, it is so indicated in the Directory of Classes.
Core: General education requirements required of all students who earn a baccalaureate degree from Boise State University. Also called Area Requirements.
Correspondence Study: Courses taken by mail. Idaho has a consortium of Correspondence courses offered by various institutions.
Course Description: A short statement describing a course.
Course number: A three-digit number that follows a departmental abbreviation used to identify a course: E 101, Z 111, etc. The course number is an indication of the course level: 100- and 200-level courses are lower division courses primarily for freshman and sophomore level students; 300- and 400-level are upper division courses for juniors and seniors, 500- and above are for graduate students.
Credit Hour: The unit used to measure course work. The number of semester hours assigned to a course is usually based upon the number of hours per week the class meets. For example, a three-hour course might meet three times a week for 50 minutes. In laboratory and studio courses, one semester hour is usually assigned for every two or three hours spent in studio or laboratory.
Credit for Life Experience: See Experiential Learning.
Credit for Prerequisites Not Taken: With permission, qualified students may take certain courses without having completed the listed pre-requisite and obtain credit for the pre-requisite after successful completion of the higher level course.
Cum laude: Latin for "with praise"; indicates graduation with exceptionally high grades (at BSU, with a grade point average of 3.50 to 3.74). See also Magna cum laude, Summa cum laude.
Cumulative GPA: Grade point average over all semesters enrolled. Sometimes shortened to "cum" (for cumulative average).
CWSP: Federal College Work-Study Program. See Work-Study.
Dean: The head of a division, such as the Dean of the College of Arts and Science. BSU also has administrative deans, e.g., Dean of Student Special Services and Dean of Admissions.
Dean's List: A roster of students who have received very high grades (3.50-4.0) for a semester of full-time enrollment (12 gradeable credits or more).
Deferred Fees: Paying fees in three installments during the semester.
Department: A group of faculty in the same discipline; for example the department of marketing, the department of English.
Directory of Classes: See Class Schedule.
Discipline: A major field of study. "Interdisciplinary" refers to a program that includes several areas of study.
Dismissal, academic: Action taken as a result of continued poor academic performance. See Grading and Academic Progress Standards of this catalog for more information.
Dismissal, conduct: A result of the most serious violations of university rules. See Code of Conduct section of the Student Handbook.
Dissertation: A work of original research required of graduate students working for a doctorate (Ph.D. or Ed.D.).
Division: A sub-unit of a College, e.g., Division of Sciences within the College of Arts and Sciences.
Doctorate (e.g., Ph.D. or Doctor of Philosophy, or Ed.D. Doctor of Education). The highest degree attainable in most academic fields. To earn a doctorate, you take several years of class work, pass a set of comprehensive examinations and write a dissertation.
Drop/Add: To drop or add a class; to change sections or to change from credit to audit or audit to credit.
Ed.D.: see Doctorate
Emeritus: A retired faculty or staff member who has served the University at least 15 years. Female: ermita, plural: ermeriti.
Endorsement: Course work in specific areas of study that are recognized in the state of Idaho for teaching specialization.

Elective: A course that does not meet any set of requirements. Each major at BSU allows electives so students have the opportunity to take courses of their choice outside their requirements.
Experiential Learning: All forms of non-traditional credit such as CLEP, AP, Prior Learning Portfolio, Challenge, Credit for Prerequisites Not Taken, military credit, etc.
FAFSA: See Free Application for Federal Student Aid.
Fitness Activity: Physical Education Activity courses for general interest such as tennis, bowling, kayaking, aerobics, etc. Offered for Pass/Fail.
Fraternity: There are three types of fraternities at BSU: honorary, with membership based upon academic and leadership achievement; service, formed to provide various services to the university and the surrounding community; and social, which are for men only. Four social fraternities at BSU maintain houses near the campus.
Free Application for Federal Student Aid: Application form for federal, state and BSU-funded financial aid. See section on financial aid in this catalog.
Freshman: A student who has completed fewer than 26 semester hours.
Full-time, part-time student: These are classifications based upon how many credit hours a student is taking. A part-time undergraduate student is one taking fewer than 12 credit hours in a semester; a full-time student is one taking 12 or more. For the purposes of enrollment verification for Pell Grants, student loans, veteran's benefits and other verifications to outside agencies, undergraduate students must be enrolled in 12 credits to be considered full-time. See full-fee paying student.
Full-fee paying student: A full-fee paying student is enrolled in eight credit hours or more and pays the full-fees rather than the per-credit hour cost. Full-fee paying students are entitled to athletic tickets, use of the health center, health insurance and ability to participate in all on-campus activities. A full-fee paying student must be enrolled for 12 credits to be considered "full-time". See Full-Time Student.
Good standing: The status of a student who is not on academic probation, one who has a cumulative grade point average higher than that required for the number of credit hours earned.
GPA: Grade point average, figured according to how many hours you have taken and the grades you have received. BSU grades on a 4.0 scale.
Graduate assistant (G.A.): A student working for a graduate degree who also teaches, conducts research or works in a university office part-time. In exchange for their work, graduate assistants may receive a small salary and tuition waiver.
Grant: A financial aid award based upon need that does not require repayment.
Honors Program: A program of courses supplemental to the student's individual major designed for promising, motivated students who have been admitted to the program.
Hold: An unpaid financial obligation or academic dismissal that prevents a student from registering until the obligation is paid or dismissal is cleared.
Hour: See Semester Hour or Credit Hour.
Hyphenated courses: Course number separated by a hyphen (as in E 111-112) must be taken in numerical order and the first is pre-requisite to the other).
Identification (ID) card: Issued to each student, the ID card has student's picture and other information. Required for checking books out of the library, admission to campus events, cashing checks, eligibility for meal service and other purposes.
Incomplete: With instructor permission, an "incomplete" grade can be assigned to students passing a course within the last three weeks of the semester but who cannot finish all the work required by the end of a semester. Work must be completed by midterm of the next semester of enrollment.
Independent study: If a student has a special interest in an area not covered by a regular class, he or she can arrange to take an independent study with a faculty member.
Intercollegiate athletics: A program of sports teams that compete with other colleges and universities. Besides intercollegiate athletics, Boise State has intramural sports (in which BSU teams compete with each other).
Interdisciplinary: Encompassing several fields of study, as in BSU's Department of Interdisciplinary Humanities. A bachelor's degree and master's degree are offered in Interdisciplinary Studies.
Internship: On-the-job experience in an area of interest or major for academic credit.
Intramural sports: A program of sports in which BSU teams compete with each other.
Junior: A student who has earned 58 to 89 semester hours.
Lab: Short for laboratory. Listed after each course title are a set of numbers (for example 3-4-5) to indicate how many hours are required each week in lecture and how many in laboratory. The final number shows total credit hours for the course. Labs are usually co-requisite to lectures.
Late Registration: Registration after the first week of class. Requires special permission from University Appeals Committee.
Lecture: The standard format in which most courses are taught. Listed after each course title are a set of numbers (for example 3-4-5) to indicate how many hours are required each week in lecture and how many in laboratory.
Lower Division: 100 and 200 level courses
Magna cum laude: Latin for "with great praise"; indicates graduation with exceptionally high grades. At BSU, you must have a 3.75 to 3.94 grade point average to graduate Magna cum laude. See also Cum laude, Summa cum laude.
Major: A primary field of study, such as accounting, philosophy, elementary education, biology.
Master's degree: A degree beyond the bachelor's, but below the doctorate. A master's degree usually requires about 30 semester hours of graduate courses and may require a thesis (a research paper).
Matriculate: To complete all admissions requirements to enroll at a college or university.
Mentor: A faculty or staff member or fellow student who provides extra time to a student to guide and support educational and personal growth.
Minor: An optional field of study that can be taken along with a major.
National Direct Student Loan (NDSL): The former name of a federally regulated student loan program. See Perkins Loan.
Non-Degree Seeking Student: A student who wishes to take courses for personal interest or job advancement with no plans to pursue a degree program. These students are not required to supply transcripts or test scores but are limited to seven credits each semester and are ineligible for financial aid.
Non-Traditional Student: Any new or returning student who is not attending college immediately following high school.
NSE: National Student Exchange. A consortia program that allows students to attend other participating institutions for a semester or a year at in-state rates.
Open course: A course that still has seats remaining during registration.
Pass/Fail: Courses that are offered for Pass/Fail rather than letter grades of A,B,C,D. These courses are set up by the offering department for this option at the time the course is approved. Examples of Pass/Fail courses are Fitness Activity, Student Teaching, selected internships, etc. BSU does not allow students to select Pass/Fail as a grading option for their courses.
Pell Grant: Formerly the Basic Educational Opportunity Grant (BEOG), the Federal Pell Grant program is a federally administered program of financial aid.
Perkins Loan: Formerly the National Direct Student Loan (NDSL), the Federal Perkins Loan program is a federally regulated program of financial aid, offering deferred-payment loans at low interest.
Ph.D.: Doctor of Philosophy. See Doctorate.
Placement examination: A test to measure a student's knowledge in some area, usually used to determine level of study student is prepared. Placement tests at BSU are offered in English, mathematics for students without ACT or SAT scores and in some foreign languages.
Prerequisite: Before taking an advanced course, it is sometimes necessary to complete another course (a prerequisite) which gives the necessary background. Prerequisites are indicated at the end of the course description.
Probation, academic: Action taken when grades fall below an acceptable level. See Grading and Academic Progress Standards for GPA requirements.
Probation, conduct: This results from a violation of University rules designed to preserve order and protect the rights of others. See the section on Code of Conduct in the Student Handbook.

Quarter: See semester.
R.A.: See Resident assistant.
Rank, academic: All members of the faculty have academic rank, which usually indicates level of education and years of service to BSU. The most common ranks are, from lowest to highest: lecturer, assistant professor, associate professor, professor.
Reasonable Academic Progress: Federally required standard to assure financial aid recipients progress toward the completion of a degree or certificate.
Refund: A reimbursement of tuition and fees paid if withdrawal occurs within the first 10 days of the semester.
Registration: Process of enrolling in courses prior to the beginning of each semester.
Repeat: Taking a course a second time to improve a grade.
Reserve (library): A collection of books and articles set aside for use by a certain group of students.
Residence hall: A dormitory; a unit of student housing.
Resident assistant (R.A.): A specially trained student living in a residence hall to assist the students there. Generally, there is one R.A. for each floor in the hall.
Resident Director: A paid university staff member overseeing the daily operation and supervision of the residents of a residence hall.
Residency (for fees): To pay in-state fees, a student must be a resident of the state of Idaho.
Residency (for graduation): The minimum credit requirements to earn a degree from an institution. The last 30 credits must be completed at Boise State University to earn a baccalaureate degree (15 are required for an associate degree).
ROTC: Reserve Officers Training Corps, a program through which a student completes certain military science courses along with his or her regular university courses. Upon graduation, students in ROTC are commissioned as officers in the armed forces.
Sabbatical: A period of paid release time (a semester or academic year) provided to faculty for the purpose of devoting time to writing, research or scholarship.
SAT: Scholastic Aptitude Test. This, or the ACT (American College Test), is required of all students applying for admission to BSU.
Scholarship: A financial award that may be given on the basis of generally high grades or achievement in a certain area (such as music).
Section: Courses that enroll large numbers of students are divided into individual classes called sections. Sections are defined by numbers: 002, 070, etc. Every course has at least one section. Sections numbers 400 and higher indicate continuing education courses.
Semester: A 16-week term and the basis for BSU's academic calendar. Some colleges and universities use the quarter system (with three 10-week quarters per academic year). To convert quarter hours to semester hours, multiply by .66.
Semester Hour: See Credit Hour.
Seminar: A small class, usually one that examines a particular topic. Seminars are typically discussion-oriented and are most commonly offered at the junior, senior or graduate level.
Senior: A student who has earned 90 or more semester hours.
SEOG: See Supplemental Educational Opportunity Grant.
Sophomore: A student who has completed 26-57 semester hours.
Sorority: An organization of women, usually for fellowship or other social purposes. Social sororities at BSU do not have houses.
Special collections: A set of library materials of special value that generally do not circulate, but may be used for research. The Boise State University library houses the Senator Frank Church papers among others.
Special Topics: Courses numbered 297, 497 or 597 that are offered in areas of special interest or to test a new course. These courses are listed each semester in the Directory of Classes.
Stafford Loan: A low interest federal loan program through lending institutions (formerly called the GSL program).
Student Handbook: A University publication that includes rules and regulations, student rights and responsibilities, grievance procedures, motor vehicle regulations and other official policies of the University. It is available from the Office of Student Special Services.
Student Programs Board (SPB): A student organization that plans special programs: movies, dances, workshops, etc.
Student Senate: An elected body of student representatives and officers—part of BSU's Associated Student Government.
Student Union: BSU's student center or student union, with a cafeteria, residence dining room, snack bar, lounges, the BSU Bookstore, a game room, bowling alley, office of student organizations, meeting rooms and other facilities.
Summa cum laude: Latin for "with the greatest praise"; indicating graduation with exceptionally high grades (at BSU, at 3.95 grade point average). The highest graduation honor one can receive. See also Cum laude, Magna cum laude.
SUB: See Student Union.
Supplemental Educational Opportunity Grant (SEOG): A federal financial aid grant program for students with exceptional need.
Suspension, academic: See Dismissal, academic.
Suspension, conduct: See Dismissal, conduct.
Syllabus: A handout given by an instructor to his or her students at the beginning of the semester. It usually lists course assignments, required texts, office hours and other information the students will need.
Telecourse: Courses offered for credit on public television. Telecourse offerings are listed in the Directory of Classes each semester.
Tenure: The purpose of tenure is to assure academic freedom and job security for a university's faculty.
Thesis: An extensive research paper that may be required for upper-division research courses or for a master's degree.
Time conflict: Registration for two classes meeting at the same time. During registration the computer checks for time conflicts and will not allow registration for the courses without the permission of the instructors.
Transcript: A record of all the courses you have taken, their credit hours and the grades you received. The Registrar's Office keeps transcripts for all students at BSU. Students may obtain copies of their transcripts for advising or other purposes. Advising transcripts for on-campus use are free. Official Transcripts can be obtained for $2.
Transfer student: One who has registered for courses at another college or university besides BSU.
Tuition: The fee charged to students for their instruction. At BSU, only non-resident students pay tuition. Resident students pay fees.
Undeclared Major: Students who have not as yet selected a major may be "undeclared" for a period of time. Also called "undecided," pre-major or general major.
Undergraduate: A student working on an associate or bachelor's degree, as opposed to a graduate student, who is one working for a master's or a doctorate.
University: An educational institution made up of several undergraduate colleges and/or schools and usually with a graduate college.
University Requirement: The name for the series of courses every BSU student working for a baccalaureate degree must take.
Upper class students: Students who are classified as juniors or seniors.
Upper Division: 300 and 400 level courses.
Variable credit hour: A range of credit hours for which some courses are offered (usually independent study, special topics, thesis hours, etc.). Credits are established for each course prior to registration.
Withdrawal: Leaving school while classes are in session. To be considered official, students must inform the institution when they leave. Unofficial withdrawals will result in failing grades.
Work-Study: A program of financial aid funded by either the state or federal government in which students work part-time to help pay for their education.
Workshop: A short course conducted by outstanding leaders or qualified faculty in a particular field.
WUE: Western Undergraduate Exchange is a program that reduces nonresident tuition for select students from certain western states who enroll in certain programs.

Notes