The purpose of the Boise State University Bulletin, Catalog Issue is to provide current, articulate and accurate information about Boise State University for the 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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.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 or handicap in accordance with Title VI 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.

Cover design:
Selected from proposals submitted by students in Advertising Design classes.
PARKING CODE:

- **Reserved**
- **Open**

All Campus Roads - Open
(All decals)

Stadium Lot - Public Parking
(No decal required)

1. Towers Dormitory
2. Health Science Building
3. Visitors Center/
   New Student Information
   University Admissions Counseling
4. Allied Health Facilities
5. Multi-Cultural Center /
   University Day Care Center
6. Radio KBSU
7. Political Science Center
8. University Courts
9. University Heights
10. University Manor
11. Science-Education Building
11a. Education Building
12. Campus School
13. Student Health Center
14. Mail Room
15. Science Building
16. Business Building
17. Administration Building
18. Library-Learning Center
18a. KAIID-TV
19. Liberal Arts Building
20. Music Building
21. Heating Plant
22. Student Union Building
23. Special Events Center
24. Music-Drama Building
25. Driscoll Hall
26. Morrison Hall
27. Chaffee Hall
28. Gymnasium
29. Auxiliary Gymnasium (Pool)
30. Vocational-Education Center
31. Mechanical Technology Bldg.
32. Technical-Education Center
33. Maintenance Building
34. Food Technology Building
35. Heavy Duty Mechanical Bldg.
36. Physical Plant-Central Receiving
37. Archeology
38. Music
39. Art-Ceramic & Photo
40. Developmental Writing
41. Art Annex
42. R.O.T.C.
42a. R.S.V.P.
43. Developmental Writing
44. Art Annex
45. Varsity Center
46. Bronco Stadium
47. Christ Chapel

BOISE STATE UNIVERSITY
CAMPUS GUIDE
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CALENDAR

BOISE STATE UNIVERSITY

CALENDAR 1980-81

SUMMER SESSION 1980

June 7, Saturday ........................................ Registration in Gymnasium, 8:00 a.m. - 12:00 Noon
June 9, Monday .......................................... Foreign Language Placement Examination, LA-206, 2:00 p.m.
June 20, Friday ......................................... Last day to file with department for admission to candidacy for Masters Degree - Departmental Office.
July 4, Friday .............................................. Holiday
July 11, Friday .......................................... First 5-week session ends.
July 11, Friday .......................................... Registration for second 5-week session, Student Union.
July 14, Monday ......................................... Last day to file with department for second 5-week session.
July 25, Friday .......................................... Last day for final oral and project/thesis defense.
August 1, Friday ........................................ End of 8-week session.
August 15, Friday ....................................... End of 10-week session and second 5-week session. Last day to submit final signed copy of Masters project/thesis with department.

FALL SEMESTER 1980

June 19-21, Thursday ................................. Student summer orientation and registration. To be eligible to participate, a student must submit an application and be accepted by BSU no later than June 12, 1980 - Student Union.
July 14, Monday ......................................... Classes begin for second 5-week session.
August 8, Friday ........................................ Last day for pre-registered students to complete financial arrangements and pay fees for Fall Semester.
August 22, Friday ........................................ Last day to submit application for Fall Semester to be assured of prepared registration materials at the Open Registration (August 29). Students submitting applications after this date will not be assured of prepared registration materials but may register at Open Registration.
August 25, Monday ....................................... Faculty responsibilities begin with meetings and course preparation activities.
August 27, Wednesday .................................. Residence halls open (Noon).
August 28, Thursday ..................................... Student advising for returning students (all day).
August 29, Friday ......................................... New Student Orientation, 9:00 a.m. - Student Union.
September 1, Monday ................................. Student advising (all day).
September 2, Tuesday ................................... Drop/add for pre-registered students, 1:00-6:00 p.m. - Gymnasium.
September 3, Wednesday ......................... Open Registration in Gymnasium (see class schedule for registration times).
September 12, Friday ..................................... Classes Begin.
September 14, Wednesday .............................. Late Registration for evening classes only: 6:30-8:00 p.m. - Administration Building.
October 10, Friday ...................................... Last day to file with department for admission to candidacy for Masters Degree - Departmental Office.
October 17, Friday ...................................... Last day to file application for graduation for Masters, Baccalaureate and Two-year or less degrees, diplomas, and certificates - Registrar’s Office.
October 20, Monday ..................................... Second 8-week block begins.
October 25, Saturday .................................. Homecoming
October 31, Friday ...................................... Last day to withdraw, drop classes, change from credit to audit or audit to credit.
November 5, Wednesday .............................. Last day to add classes or register by petition.
November 5-14, Wednesday - Friday ............... Advising period for continuing students.
November 12, Wednesday .............................. Pre-registration period for students who have been advised.
November 14, Friday ................................... Pre-registration materials available in Administration Building.
November 15, Saturday .................................. Last day to drop/add for second 8-week block.
November 26, Wednesday ................................ Final written exam for Masters Degree.
November 27-30, Thursday through Sunday ..... Last day for final oral and project/thesis defense.

Bills will be mailed to students pre-registered for Fall Semester.

Student advising (all day).
Drop/add for pre-registered students, 1:00-6:00 p.m. - Gymnasium.
Foreign Language Placement Examination, 2:00 p.m. - LA-206.

Open Registration in Gymnasium (see class schedule for registration times).

Classes Begin.

Late Registration for evening classes only: 6:30-8:00 p.m. - Administration Building.
Late Registration and drop/add begins. Administration Building, 9:00 a.m. -4:00 p.m. (Monday-Friday) and 6:30-8:00 p.m. (Monday-Thursday).
Last day to register late, except by petition.
Last day to add new courses for credit or to change from audit to credit except with consent of instructor (4:00 p.m. close).
Last day to drop/add classes in first 8-week block.
Last day to file with department for admission to candidacy for Masters Degree - Departmental Office.
Last day to file application for graduation for Masters, Baccalaureate and Two-year or less degrees, diplomas, and certificates - Registrar’s Office.
Mid-semester grades submitted. Notification of incompletes from previous semester.

Last day to file application with department for final Masters written exam.

Mid-semester grades submitted. Notification of incompletes from previous semester.

Thanksgiving (Holiday).
### CALENDAR

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>December 1, Monday</td>
<td>Classes resume.</td>
</tr>
<tr>
<td>December 12, Friday</td>
<td>Last day to submit final signed copy of Masters project/thesis with department.</td>
</tr>
<tr>
<td>December 15-18, Monday</td>
<td>Classroom instruction ends.</td>
</tr>
<tr>
<td>December 19, Friday</td>
<td>Final Semester Examinations.</td>
</tr>
<tr>
<td>December 22, Monday</td>
<td>Residence halls close (Noon).</td>
</tr>
<tr>
<td>December 22, Monday</td>
<td>Grade reports due to Registrar (Noon).</td>
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</tbody>
</table>

### SPRING SEMESTER 1981

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 2, Friday</td>
<td>Last day for pre-registered students to complete financial arrangements and pay fees for Spring Semester.</td>
</tr>
<tr>
<td>January 9, Friday</td>
<td>Last day to submit application for Spring Semester to be assured of prepared registration materials at the Open Registration (January 16). Students submitting applications after this date will not be assured of prepared registration materials but may register at Open Registration.</td>
</tr>
<tr>
<td>January 14, Wednesday</td>
<td>Residence halls open (Noon).</td>
</tr>
<tr>
<td>January 15, Thursday</td>
<td>Faculty responsibilities begin with meetings and course preparation activities.</td>
</tr>
<tr>
<td>January 16, Friday</td>
<td>Open Registration in Gymnasium.</td>
</tr>
<tr>
<td>January 19, Monday</td>
<td>Classes begin.</td>
</tr>
<tr>
<td>January 20, Tuesday</td>
<td>Late Registration and drop/add begins, Administration Building, 9:00 a.m. - 4:00 p.m. (Monday-Friday) and 6:30-8:00 p.m. (Monday-Thursday).</td>
</tr>
<tr>
<td>January 30, Friday</td>
<td>Late Registration ends, except by petition. Last day to add new courses for credit or to change from audit to credit except with consent of instructor (4:00 p.m. close).</td>
</tr>
<tr>
<td>February 13, Friday</td>
<td>Last day to drop/add for first 8-week block. Last day to file with department for admission to candidacy for Masters Degree - Departmental office. Last day to file application for graduation for Masters, Baccalaureate, and Two-year or less degrees, diplomas, and certificates - Registrar's Office.</td>
</tr>
<tr>
<td>February 16, Monday</td>
<td>George Washington's Birthday (Holiday).</td>
</tr>
<tr>
<td>March 13, Friday</td>
<td>Mid-semester grades submitted. Notification of incompletes from previous semester. Last day to file application with department for final Masters written exam.</td>
</tr>
<tr>
<td>March 16, Monday</td>
<td>Second 8-week block begins.</td>
</tr>
<tr>
<td>March 23-29, Monday</td>
<td>Spring vacation.</td>
</tr>
<tr>
<td>March 30, Monday</td>
<td>Classes resume.</td>
</tr>
<tr>
<td>April 1, Wednesday</td>
<td>Last day to withdraw, drop classes, change from credit to audit or audit to credit. Last day to add classes or register by petition.</td>
</tr>
<tr>
<td>April 4, Saturday</td>
<td>Final written exam for Masters Degree.</td>
</tr>
<tr>
<td>April 6, Monday</td>
<td>Foreign Language Placement Examination, 3:00 p.m., LA-206.</td>
</tr>
<tr>
<td>April 10, Monday</td>
<td>Advising period for continuing students.</td>
</tr>
<tr>
<td>April 17, Friday</td>
<td>Pre-registration period for students who have been advised.</td>
</tr>
<tr>
<td>May 1, Friday</td>
<td>Last day to drop/add for second 8-week block. Last day for final oral and project/thesis defense.</td>
</tr>
<tr>
<td>May 5, Friday</td>
<td>Classroom instruction ends.</td>
</tr>
<tr>
<td>May 11-14, Monday</td>
<td>Final Semester Examinations.</td>
</tr>
<tr>
<td>May 15, Friday</td>
<td>Residence halls close (Noon).</td>
</tr>
<tr>
<td>May 17, Sunday</td>
<td>Commencement.</td>
</tr>
<tr>
<td>May 18, Monday</td>
<td>Grade reports due to Registrar (Noon).</td>
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### SUMMER SESSION 1981

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>June 6, Saturday</td>
<td>Registration in Gymnasium, 8:00 a.m. - 12:00 Noon. Foreign Language Placement Examination, LA-206, 2:00 p.m.</td>
</tr>
<tr>
<td>June 8, Monday</td>
<td>Classes begin for 8-week, 10-week, and first 5-week sessions.</td>
</tr>
<tr>
<td>July 10, Friday</td>
<td>First 5-week session ends.</td>
</tr>
<tr>
<td>July 10, Friday</td>
<td>Registration for second 5-week session. 12:00 Noon - 3:00 p.m.</td>
</tr>
<tr>
<td>July 13, Monday</td>
<td>Classes begin for second 5-week session.</td>
</tr>
<tr>
<td>July 31, Friday</td>
<td>End of 8-week session.</td>
</tr>
<tr>
<td>August 14, Friday</td>
<td>End of 10-week session and second 5-week session.</td>
</tr>
</tbody>
</table>
General Information and Admissions

The foundation for Boise State was laid in 1932. The institution advanced for many years as a public institution financed by a local tax district. Since 1969, when Boise State entered the state system of higher education, significant progress has been made in the development of the campus facilities for instruction, research, and service to Idaho publics.

Boise State is organized into six schools: the School of Arts and Sciences, the School of Business, the School of Education, the School of Health Sciences, the Vocational-Technical Education School, and the Graduate School. Undergraduate degrees are offered in many fields, and graduate degrees are offered in elementary and secondary education, business administration and public administration and accounting.

The university has an extensive late afternoon, evening and weekend program which provides educational opportunity for full-time students who need to schedule classes at that time and for part-time students who are pursuing a degree while they are employed. The university provides many opportunities for professional and technical upgrading and retraining to the citizens of the Treasure Valley.
INSTITUTIONAL MISSION AND OBJECTIVES

The paramount role of a university was set long ago. It is to educate the individual, to ensure his development, and to enlarge his opportunity. We must rededicate ourselves to these goals and thereby strengthen them in a world of restless political, social, technological and economic change.

We believe that every university student needs a broad education to equip him for mobility in employment, in social life, in community, state and national citizenry, and that each student deserves an environment that contributes to his total growth as an individual. Therefore, the university should help to create an intellectual atmosphere that encourages students to develop a scientific spirit of investigation that becomes a life-long approach to issues and problems — in essence, to provide the opportunity for a sound, liberal education for all of its students through formal classes and informal avenues of learning and, hopefully, to liberate their minds from stereotyped thought and shallow decision making.

The university should provide a range of opportunities for student-faculty dialogue in other than a classroom situation, as well as provide educational opportunities to its students through self-government and other student activities that enhance self-growth, and various individual services that correlate with instruction, such as counseling, guidance, placement, testing and health services.

We also believe strongly in the development of special educational areas to equip students with the professional or technical skills and knowledge necessary for entrance into employment upon graduation. In addition, we seek to help students gain respect for excellence of performance and to provide educational programs that prepare them to become workers and leaders in the professions, in business, in governmental positions, in teaching and in industrial occupations.

We further believe that a state university must recognize its responsibility to the public it serves and should, therefore assist in the state’s growth and development by always making its resources available for solving problems, by making a variety of cultural, vocational and occupational experiences available through its publications, workshops, concerts, plays, speakers, conferences, evening course offerings and sports events, and by offering educational training and retraining programs needed by education, industry and business.

In essence, then, the prime purpose of this state university is influencing the thought and behavior of its students and its public, and the prime recognition is that both teaching and learning are best accomplished when a variety of techniques and skills are aptly employed.

ACCREDITATION AND AFFILIATION

Boise State University is fully accredited with membership in the Northwest Association for Schools and Colleges. Boise State holds permanent membership in the College Entrance Examination Board and the College Scholarship Service Assembly, is on the approved list of the American Association of University Women and is a member of NCAA Division 2A in all sports.

Professional accreditations include the following:

The School of Business undergraduate program is accredited by the American Assembly of Collegiate Schools of Business (AACSB.)

The School of Education has been accredited by the National Council for Accreditation of Teacher Education and by the National Association of State Directors of Teacher Education and Certification.

Associate Degree Nursing Program by the National League for Nursing and by the Idaho State Board of Nursing.

Baccalaureate Degree Nursing Program by the Idaho State Board of Nursing. Application for accreditation by the National League for Nursing is pending.

Dental Assistant Program by the Council of Dental Education and the American Dental Assistant Association.

Medical Record Technician Program by the Council on Medical Education of the American Medical Association in collaboration with the American Medical Record Association.

Respiratory Therapy Program by the American Medical Association Council on Medical Education in collaboration with the Joint Review Committee for Respiratory Therapy Education.

Department of Music is a member of the National Association of Schools of Music.

Social Work Department by the Council on Social Work Education.

Practical Nurse Program accredited by the Idaho State Board for Nursing.

Surgical Technology Program accredited by the American Medical Association Council on Allied Health Education.

Radiologic Technology Program (Associate Degree) Preliminary accreditation by the Council on Medical Education of the American Medical Association in collaboration with the Joint Review Committee on Education in Radiologic Technology, the American Society of Radiologic Technologists and the American College of Radiology.

UNIVERSITY ADMISSIONS COUNSELING/VISITORS CENTER

The Director of University Admissions Counseling is responsible for design, coordination, development, supervision, and implementation of programs which transmit to any and all agencies the educational opportunities and advantages available at Boise State University. This also includes coordination of high school visitation and the follow up with high schools and junior colleges throughout the state of Idaho.

Counseling and advising services are provided for all interested prospective students concerning the various aspects of entering college.

The Visitors Center is open from 9-5 Monday through Friday offering information and campus tours.
REQUIREMENTS FOR ADMISSION TO THE UNIVERSITY

GENERAL INFORMATION AND ADMISSIONS

ADMISSIONS OFFICE

All matters relating to admission to the University are administered by this office. In addition to admissions, this office has general administrative responsibility for providing general information, foreign student admissions and advising, maintenance of student academic records, and enforcement of academic dismissals and readmissions.

Students applying for admission to Boise State University may be granted admission as matriculated students, may be granted admission as non-matriculated students, or may be denied admission. Students enrolling for 7 or fewer hours may elect to remain non-matriculated, but students enrolling for 8 or more hours must fully matriculate early in their first semester in order to remain in good standing.

Undergraduate (have not earned B.A. or higher degree)

I. Students wishing to enter B.S.U. as full-time (8 or more semester hours), fully matriculated undergraduate academic students must be at least 16 years of age and submit prior to the deadline date:

A. If NEW FRESHMAN (no prior post-high school credits earned):
   1. A completed application.
   2. A $10 matriculation fee (The matriculation fee may be waived by the Admissions Office in documented cases of financial need and/or scholastic excellence).
   3. An official high school transcript showing date of graduation or a GED certificate showing acceptable test scores.
   4. ACT, SAT, WPC, or TSW test scores.

B. If TRANSFER STUDENT (prior enrollment at one or more post-high school institutions):**
   1. A completed application
   2. A $10 matriculation fee
   3. Evidence of high school graduation or a GED certificate showing acceptable test scores
   4. ACT, SAT, WPC, or TSW test scores, or evidence of successful completion of English Composition sequence.
   5. Official transcripts from all previously attended colleges showing good academic standing as defined by the Academic Probation and Disqualification policy.

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

D. If FORMER FULL-TIME B.S.U. STUDENT (has attended no post-high school institution since last B.S.U. attendance):
   1. Same requirements as A above

II. Undergraduate students wishing to enter B.S.U. part-time (7 or fewer hours) must submit:
   1. A completed application
   2. The V.A. requires B.S.U. to credit all veterans for prior training. Therefore veterans who will request G.I. benefits must submit official transcripts from all previously attended colleges.

III. Students wishing to enter B.S.U. in the Summer School Program must submit:
   1. Only a completed application

IV. Students wishing to enter B.S.U. in the Vocational-Technical School must submit prior to the deadline date:
   1. A completed application

2. A $10 matriculation fee (Students entering LPN program exempt)
3. GATB scores or high school transcripts with DAT scores
4. Personal interview with Vocational-Technical Counselor

Caution. A personal interview and a $75 advanced security registration deposit must be submitted prior to being accepted into the limited enrollment Vocational-Technical programs. You will not be guaranteed a seat in the program until both the interview is completed and the security deposit is received.

Admission by B.S.U. does not imply acceptance into special programs. Admission into such programs as the Vocational-Technical Programs, Registered Nursing, Respiratory Therapy, Medical Records Technology, or Radiological Technology is contingent upon acceptance by Program Director.

See page 128 for admission requirements of the Graduate School.

Graduate (have earned B.A. or higher degree)

I. Graduate students wishing to enter B.S.U. on a full-time basis (8 or more semester hours) or wishing to be admitted to the GRADUATE SCHOOL at B.S.U. with PROGRAM STATUS (Regular or Provisional) must be fully matriculated and must, therefore, submit prior to the deadline date:
   1. A completed GRADUATE application
   2. A $10 matriculation fee (Full-time graduate students who received their undergraduate degree at B.S.U. are exempt from the $10 fee, UNLESS they are pursuing a Master’s degree.)
   3. Official transcripts from all post-high school institutions attended

NOTE: A PREREQUISITE DATA form must be on file before the Graduate Admissions Committee will act upon an application for admission to the Graduate School in the MPA or MBA Programs. Passing GMAT scores are also required for the School of Business.

II. Graduate students wishing to enter B.S.U. part time with UNCLASSIFIED STATUS (non-program, admitted to B.S.U. but not admitted to the GRADUATE SCHOOL) must submit:
   1. Only a completed application; except graduate students wishing to earn a second B.A. degree and/or qualify for Idaho Teacher Certification. These students must also submit to the Graduate Admissions Office complete, official transcripts from all post-high school institutions attended.

Application forms may be obtained upon request from the Admissions Office. High school and college records should be furnished on the transcript blanks of the institution at which the work was taken. Prompt attention to these details will avoid delay in registration.

Certificate of Admission — Applicants for admission whose credentials have been accepted will be given permission to register at Priority Registration for the following semester. Students should plan to have all credentials submitted one month before registration to settle any questions that may arise and to receive by mail before registration a Certificate of Admission.

*Permission to enroll full time (8 or more hours) is contingent upon satisfaction of all matriculation, academic, and financial requirements set by Boise State University.

**Credit from non-accredited institutions will be accepted on the basis of the practice as reported in Transfer Credit Practices of Selected Educational Institutions by the American Association of Collegiate Registrars and Admissions Officers. Specifically, students requesting acceptance of such credit will furnish the Admissions Office of Boise State University complete official transcripts and catalog course descriptions. After earning not less than 15 semester hours credit from BSU with not less than 2.00 cumulative GPA, the student may petition the appropriate Department Chairman for acceptance of all such credit. Credit denied on the basis of such practice may be sought by examination.

***See page 23 for information on veterans.

An "official" transcript is one certified by the issuing institution and mailed by that institution directly to the B.S.U. admissions office.
GENERAL INFORMATION AND ADMISSIONS

A. ADMISSION AS REGULAR STUDENTS

DOCUMENTATION REQUIRED

Admission to the University is based upon credentials showing graduation from an accredited high school. High School Equivalency Certificates or acceptable GED scores (35 or above on all five tests with an average of 45 or above for all tests) will be accepted in lieu of a high school transcript provided that the applicant has been away from high school for at least one year preceding his application and providing the applicant is at least 18 years of age.

VOCATIONAL-TECHNICAL STUDENTS

The School of Vocational-Technical Education normally admits applicants to regular full-time preparatory programs who are high school graduates or who have successfully completed the G.E.D. tests. Any person who is interested in becoming a skilled craftsman or technician will be admitted to these courses if he complies with all admission requirements and meets the qualifications for the designated program. Graduation from high school is not necessary provided the student has been out of high school at least one complete semester. Certain prerequisite courses are required for various programs, such as one year of high school algebra and one year of high school geometry for entrance to the Drafting or Electronics Technology programs. The University does not admit applicants under eighteen years of age who are attending high school at the time of application. In rare instances, however, a high school student may be admitted provided his high school principal requests his admission. Students in the Vocational-Technical program who plan to enter certain extracurricular activities must meet regular entrance requirements. (See eligibility requirements). Credits in Vocational or Technical programs are not normally transferable toward an academic degree.

TRANSFER STUDENTS

A transfer student, whether resident or non-resident, must have a minimum GPA of 2.00 or above on all prior collegiate work completed or have cleared the probationary provision outlined under Section H, page 20, ACADEMIC PROBATION AND DISQUALIFICATION. All decisions relating to admission of foreign students will, however, be made by the Foreign Student Admissions Officer.

HIGH SCHOOL STUDENTS

Any currently enrolled high school student may enroll part time at Boise State University if he has met the appropriate prerequisite and if his application for admission has been approved by the Dean of Admissions. Registration at B.S.U. must be determined to be in the best interests of the student and must not interfere with progress toward high school graduation.

FOREIGN STUDENTS

Boise State University accepts qualified students from foreign countries to the extent that space is available. Foreign applicants are expected to meet the requirements for admission from high school or from other colleges or universities as outlined above under Admission Requirements to the University.

Credentials: Official transcripts and/or certified copies of the certificate, diploma, or government examination report received on completion of secondary school work and the degree, license, or diploma received on completion of any college or university, must be sent by the certifying agency directly to the Admissions Officer and must be translated into ENGLISH.

English Proficiency: All foreign applicants are required to take and receive a minimum score of 460 on TOEFL (Test of English as a Foreign Language) or satisfactory scores on other examinations acceptable to Boise State University. Arrangements to take the TOEFL examination may be made by writing directly to TOEFL, Educational Testing Service, P.O. Box 992, Princeton, New Jersey 08540, U.S.A. The test must be taken and the scores received by the University prior to a decision on admission of the applicant.

Admitted Students: Upon arrival at the University, foreign students will be examined again with the Comprehensive English Language Test (CELT). Results achieved will determine their placement level in the English as a Second Language program.

Academic Advising: Advising in academic matters is provided to foreign students by the Foreign Student Admissions Office until such time as English language requirements for degree program have been met.

Financial Statement: All foreign students must present to the Foreign Student Admissions Office satisfactory statements of finances and adequate proof of financial responsibility or sponsorship by a reputable American citizen or organization for all financial obligations while attending Boise State University.

Health and Accident Insurance: Boise State University requires that all full-time students be covered by health and accident insurance. Such insurance is included as a part of general registration fees paid by all full-time students.

Admission to Graduate School: Foreign students applying for admission to the Graduate School must submit all of the previously mentioned admission materials. Those wishing to major in Business Administration must submit GMAT scores (Graduate Management Admissions Test). The score on the GMAT is considered together with the GPA to determine admissibility of the student to the MBA Program. A TOEFL score of at least 525 must be achieved.

Deadline for Application for Admissions: All foreign applicants must apply for admission (to include the taking of all tests and filings of all required application forms and credentials) by the following dates:

- For fall semester: 1 June
- For spring semester: 1 September
- For summer session: 1 January

Upon completion of all requirements and when final acceptance is granted to the applicant, an I-20 form will be issued to the applicant by the Foreign Student Admissions Officer.

B. ADMISSION AS SPECIAL UNDERGRADUATE STUDENT

Persons who are unable to meet requirements as regular students and desire to take special studies may be admitted on special status upon presentation of satisfactory evidence that they are qualified to do college-level work. Normally, special status will not be granted to anyone less than 18 years of age unless, following a personal interview with the Dean of Admissions, it is deemed in the best interests of the student. Students admitted on special status are encouraged to complete matriculation requirements within the first semester of attendance. A special student is not eligible to become a candidate for graduation until he has satisfactorily met entrance requirements or until he has completed 32 semester hours of work in the University with a grade point of 2.0 or better.

C. ADMISSION AS GRADUATE STUDENT

See page 128 for specific requirements.

D. ADMISSION WITH ADVANCED STANDING

Students entering from other colleges must present proof of honorable dismissal and official transcripts mailed directly to the Dean of Admissions. Students entering from other institutions must comply with the same scholarship regulations as are applied to students previously enrolled in the university. After evaluation of transcripts students are classified as Freshmen, Sophomores, Juniors, Seniors or Graduates.

In accordance with Idaho statutes as approved by the State Board of Education, the acceptance of credits from Junior College is uniform for both certification and transfer purposes and no more than 64 semester hours or ½ the total hour requirement of the specific curriculum is established as the uniform maximum limit effective September 1, 1950.

E. ADMISSION REQUIREMENTS TO UPPER DIVISION

JUNIOR STANDING — A student must have earned 57 acceptable semester credit hours of college-level work before he is classified a junior.
UPPER DIVISION COURSES — Upper Division courses are open to a student who:
1. Has completed stated course prerequisites and
2. Has completed 57 semester credits of college work. Lower Division students who have a G.P.A. of 2.0 or better may take Upper Division Courses if:
   1. The Upper Division course is required during the Sophomore year in a specific curriculum in which the student is majoring, or
   2. The student has the written permission of the Chairman of the Department in which the course is offered and concurrence of his advisor.

ACCEPTANCE INTO THE PROGRAM
A student must declare his major upon entering the upper division. The Registrar will evaluate the student's transcripts for acceptance into the university. The student will be sent to an advisor for assistance in formulating a program to fulfill all requirements for his declared major. The student is ultimately responsible for the selection of courses for his major and the degree.

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

I. RESIDENCY REQUIREMENTS FOR FEE PURPOSES
The legal residence of a student for fee purposes is determined at the time of initial application and will be reconsidered, thereafter, upon appeal by the student. Appeal affidavits can be acquired in the Admission's Office. Section 33-3717, Idaho Code, specifies that a resident student shall be:
(a) Any student whose parents or court-appointed guardians are domiciled in the state of Idaho and provide more than fifty percent (50%) of his support. Domicile means an individual's true, fixed and permanent home and place of habitation. It is the place in which he intends to remain, and to which he expects to return when he leaves without intending to establish a new domicile elsewhere. To qualify under this section the parents or guardian must be residing in the state at the opening day of the term for which the student matriculates.
(b) Any student, who receives less than fifty percent (50%) of his support from parents or legal guardians who are not residents of this state for voting purposes and who has continuously resided in the state of Idaho for twelve (12) months next preceding the opening day of the period of instruction during which he proposes to attend the college or university.
(c) Any student who is a graduate of an accredited secondary school in the state of Idaho, and who matriculates at a college or university in the state of Idaho during the term immediately following such graduation regardless of the residence of his parent or guardian.
(d) The spouse of a person who is classified, or is eligible for classification, as a resident of the state of Idaho for the purpose of attending a college or university.
(e) A member of the armed forces of the United States, stationed in the state of Idaho on military orders.
(f) Any student who parent or guardian is a member of the armed forces and stationed in the state of Idaho on military orders and who receives fifty percent (50%) or more of support from parents or legal guardians. The student, while in continuous attendance, shall not lose his residence when his parent or guardian is transferred on military orders.

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

(h) 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 from less than one (1) calendar year and who has not established legal residence elsewhere provided a twelve (12) month period of continuous residence has been established immediately prior to departure.

Regulations adopted by the State Board of Education and Board of Regents for the University of Idaho:
In compliance with Section 33-3717, Idaho Code, the State Board of Education and Board of Regents of the University of Idaho meeting in regular session June 9, 1970, adopts the following uniform and standard rules and regulations applicable to all state colleges and universities now or hereafter established to determine residence status of any student and to establish procedures for review of that status. To Wit:
1. A student is deemed to be "attending" an institution of higher education when he is paying regular fees required of a full-time student at the institution concerned. (See (b) above)
2. The State Board of Education and Board of Regents of the University of Idaho shall deny resident status to any student who is not a citizen of the United States, unless he complies with the definition of a permanent resident established by the United States Immigration and Naturalization Service. A foreign student whose sole purpose for being in the state of Idaho is attendance at a higher education institution, shall not be classified as a resident student.
3. Any student classified as a resident for purposes of higher education by any institution shall be so classified by all other institutions in the state under the jurisdiction of the State Board of Education and Board of Regents for the University of Idaho.

SCHEDULES OF FEES AND CHARGES
All of the fees, tuition, and other charges are due and payable at the time of registration each semester. Board and room charges may be paid in advance for the year or arrangements may be made to pay in advance on a partial payment basis by consulting the Director of Student Residential Life (See section under Student Housing).
GENERAL INFORMATION AND ADMISSIONS

TUITION AND FEE SCHEDULE

Eight or more hours made up of any combination of credit, audit, equivalent, and-or retake hours will be considered a full schedule for purposes of calculating charges.

All fees, tuition and other charges are subject to change at any time by the State Board of Education acting as the Board of Trustees for Boise State University.

<table>
<thead>
<tr>
<th>Full Time</th>
<th>Idaho Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition (per semester)</td>
<td>$239.00</td>
<td>$750.00</td>
</tr>
<tr>
<td>Institutional Fees</td>
<td>239.00</td>
<td>239.00</td>
</tr>
<tr>
<td>TOTAL TUITION AND FEES</td>
<td>$239.00</td>
<td>$989.00**</td>
</tr>
</tbody>
</table>

*Legal voting age is defined to be 18 years of age or older.
**Non-Resident Aliens add $50.00 per semester.

OTHER FEES

- Part-time: $30.00 per semester hour
- Summer: $30.00 per semester hour
- Audit: $25.00 per semester hour
- Registration Fee for Part time: $1.50
- Application Processing Fee (Non-Refundable): $10.00
- Testing Fee:
  - Students who have not taken an ACT, SAT, or WAC test on a regular national testing date may take the T.S.W.E. during registration week: $3.00
- Graduate Student Fees:
  - Full-time graduate students add $25.00 per semester.
  - Part-time graduate students add $2.50 per semester hour.
- Duplicate Activity Card Fee: $5.00
- Music, Performance: PER SEMESTER
  - All private music lessons: 2 credits: $55.00
  - 4 credits: $110.00

Fee waivers will be granted to all full-time music majors (8 hours or more) for all required private performance study leading to a B.A. or B.M. degree. Students receiving a fee waiver must be concurrently enrolled for credit in a major ensemble and in Concert Class. Students must be receiving a grade of C or better in the ensemble and a grade of S in Concert Class. Unsatisfactory grades at mid-term will result in cancellation of the fee waiver for the entire semester.

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

Students receiving a fee waiver on an instrument leading to a B.A. or B.M. degree. Students receiving a fee waiver must be concurrently enrolled for credit in a major ensemble and in Concert Class. Students must be receiving a grade of C or better in the ensemble and a grade of S in Concert Class. Unsatisfactory grades at mid-term will result in cancellation of the fee waiver for the entire semester.

Students receiving Social Security benefits will not be certified as full-time unless they are enrolled for at least 12 undergraduate or 9 graduate credit hours for an entire semester.

For the purposes of student enrollment verification to banks, the Social Security Administration, BEOG, Federal and State

Grants-in-Aid, scholarships, other universities, etc., the following schedule will be used.

Undergraduate:
- Full-time - 12 or more undergraduate semester hours
- ¾ time - 9-11 undergraduate semester hours
- ½ time - 6-8 undergraduate semester hours
- Less than ½ time - 5 or less undergraduate semester hours

Graduate:
- Full-time - 9 or more graduate semester hours
- ¾ time - 6-8 graduate semester hours
- ½ time - 4-5 graduate semester hours
- Less than ½ time - 3 or less graduate semester hours

RESIDENCE HALLS:

- Meal Options:
  - Option A: 19 meals per week (breakfast, lunch, dinner, Monday through Friday; brunch, dinner, Saturday and Sunday)
  - Option B: 14 meals per week
  - Option C: 10 meals per week
- Rates:
  - A
  - B
  - C

Morrison and Driscoll
- Double: $1690
- Single: $1930

Towers
- Double: $1960
- Single: $1930

Chaffee
- Double: $1690
- Single: $1930

University Courts
- Small One Bedroom: $110
- Large One Bedroom: $148
- Two Bedroom: $169

University Heights
- One Bedroom: $169
- Two Bedroom: $197

University Manor
- One Bedroom: $169
- Two Bedroom: $197

Prices are subject to change.

REFUND POLICY

General fees — When regularly enrolled student withdraws from Boise State University a refund of registration charges, including nonresident fees, computed from the regularly scheduled registration day will be on the following basis:

Before classes begin: 100%
- Full-time students will be charged a $15.00 administrative fee, plus the $1.50 Registration fee.
- During first 2 weeks of classes: 75%
- During 3rd and 4th weeks: 50%
- After 4th week: NO REFUNDS
This policy also pertains to part-time students, including special evening classes. No special consideration is to be given to late registrants in extending the refund policy. The college reserves the right to deduct from the refund any outstanding bills. An itemized statement of deductions will be forwarded with the refund check. Upon completion of the withdrawal process, a refund check will be prepared and issued in approximately two to three weeks from date of withdrawal.

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

No music private lesson refunds will be allowed after the second week of classes of any semester.

ADMINISTRATIVE WITHDRAWAL
B.S.U. POLICY 4102-D

A student’s registration may be cancelled, after proper notification, for Delinquent Financial Accounts, i.e., bad checks, library fines, overdue loans, bookstore, or housing accounts; Incomplete Admissions File, i.e., failure to submit transcripts, or test scores; failure to respond to an official summons; falsification of Admissions Application or other University Records; and Exhibiting Behavior which constitutes a clear and present danger to one’s self and others.

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

AUDITING OF ACCOUNTS

All funds for public purposes within the University and subject to the jurisdiction of either the University or the Associated Student Body and which are contributed to or collected by any student or faculty member shall be deposited with the Controller, subject to withdrawal upon written approval of the proper authorities. An accounting of all receipts and expenditures in the funds shall be made by those responsible for their collection immediately after they shall have been disbursed, this accounting to be audited by the Controller.

INSURANCE COVERAGE

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

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

PARKING

LIMITED PARKING is available on campus for faculty, staff and students. All persons parking on campus are required to register their vehicles with the Parking Control Office and obtain a parking decal.

The City of Boise administers the parking control program as adopted by the University, and all tickets are payable to the City of Boise.
ACADEMIC INFORMATION

ADVANCED PLACEMENT AND SPECIAL EDUCATIONAL OPPORTUNITIES AT BOISE STATE UNIVERSITY

Today improved and accelerated public school programs help increasing numbers of students to enter American colleges and universities with skills traditionally expected after college-level work. To assure each student the opportunity to develop at his own pace and bypass material already mastered, Boise State University offers several options for educational advancement.

Individual cases might allow several approaches to determining relative placement. Following are the general alternatives available. Further details may be obtained from Dr. William P. Mech, phone 385-1122, or from the BSU Administrative Handbook:

- Advanced Placement
- Credit by Examination
- CLEP
- Credit for Prerequisites Not Taken
- Independent Study
- Second BA and/or Double Major
- Student Advisement Consideration
- Honors Program
- Servicemen's Opportunity College Program
- Internship
- W.I.C.H.E.
- Studies Abroad Programs

ADVANCED PLACEMENT

The Advanced Placement Examinations offered through the College Board are generally accepted by the appropriate department when a score of three or higher is attained; in some cases the essay or problem portion is requested for review.

The English Department will grant three credits, in place of English Composition 101, to a student who receives a score of 3 or above on the English Advanced Placement Examination. A student may receive an additional three credits in place of English 102 based upon the Department Chairman's evaluation of the essay part of the exam.

If an academic department prefers to use a specific form of advanced placement, that department has the option of using its own examination, a standard test, recommendations from high school instructors, or past experience. In this instance, the gathering of materials upon which the granting of credit will be determined may begin during the student's last semester in high school. Contact: Director, Honors Program.

CREDIT BY EXAMINATION (CHALLENGE)

Any student may challenge a BSU course offering, subject to department determination of appropriate courses, when he feels confident that he has acquired sufficient knowledge (as the result of previous background, education, or experience) to pass an examination which covers the content of the course.

The specific details and examination are determined by the course, level, and occasionally, the student's individual situation. Some courses are challenged through a standardized (CLEP) examination, while others employ a departmental test. Contact: Department Chairman.

The application for challenge must be completed by the student and submitted to the Registrar's Office prior to taking the examination and no later than the final deadline for class changes.
### ACADEMIC INFORMATION

#### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The present policy at BSU for awarding credit on the basis of CLEP examinations is as follows:

**CLEP SUBJECT MATTER EXAM**

Boise State will accept CLEP Subject Matter Examination scores at a Department-determined percentile score for equivalent courses. The student who submits official CLEP Subject Matter Examination scores must make application and enroll at Boise State, or be enrolled at Boise State at the time of submission of CLEP scores.

If the scores submitted are at or above the percentile scores indicated by the Departments, the student will receive credit for the equivalent courses so designated. The entries on the transcript will show the specific Boise State course number, title, and credits with no letter grade. The heading will show CLEP SCORES on the transcript. The credit awarded will count toward the graduation requirements at Boise State and will reduce, by the number of credits awarded, the number of credits still required to graduate.

CLEP Subject Matter Examinations will not be officially released on a Boise State transcript to other agencies or institutions unless the student has successfully completed 15 academic credit hours with Boise State.

Boise State currently accepts tests scores of CLEP in the following subject matter areas. (Minimum passing scores are indicated after each examination title):

<table>
<thead>
<tr>
<th>CLEP EXAMINATION TITLE</th>
<th>BSU EQUIVALENT COURSE AND NUMBER OF CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>E-101, English Composition (3)</td>
</tr>
<tr>
<td>Biology</td>
<td>B-100, Concepts of Biology (4)</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>B-101 + 102, General Biology (6)</td>
</tr>
<tr>
<td>College Algebra</td>
<td>C-107, 108, (4) or C-111, 132 (4)</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>M-111, Algebra and Trigonometry (5)</td>
</tr>
<tr>
<td>Calculus with Analytic Geometry</td>
<td>M-112, Calculus and Analytic Geometry (5)</td>
</tr>
<tr>
<td>Statistics</td>
<td>M-261, Fundamentals of Statistics (4)</td>
</tr>
<tr>
<td>Accounting</td>
<td>AC 200 - 201, Principles of Accounting (2)</td>
</tr>
<tr>
<td>Computers and Data Processing</td>
<td>DP-210, Introduction to Data Processing (3)</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>SO-101, Introduction to Sociology (3)</td>
</tr>
<tr>
<td>American Government</td>
<td>PO-101, American National Government (3)</td>
</tr>
<tr>
<td>Business Management</td>
<td>MG-301, Principles of Management (3)</td>
</tr>
<tr>
<td>Introductory Marketing</td>
<td>MK-301, Basic Marketing Management (1)</td>
</tr>
<tr>
<td>General Psychology</td>
<td>P-101, General Psychology (3)</td>
</tr>
</tbody>
</table>

*English Composition (50) *Analysis and Interpretation of Literature (60) *Biology (50) **General Chemistry (48) **College Algebra **Trigonometry (49) **Calculus with Analytic Geometry (59) **Statistics (50) **Introduction to Accounting (50) **Computers and Data Processing (50) **Introductory Sociology (50) **American Government (50) **Intro. Bus. Mgmt. (60) **Intro. Bus. Law (60) **Introductory Marketing (50) **General Psychology (50)

**Applies only to non-traditional students. (An additional essay is required.)**

Several other alternatives are available to students directly out of High School.

### CREDITS FOR EQUIVALENT COURSES

- **Score of 571 or above:** 8 credits in Area III
- **Score of 489-570 (50th-75th):** 6 credits in Area III
- **Score of 488 or above (50th):** 3 credits in Area I
- **Score of 569 or above:** 8 credits in Area III

*National College Sophomore Norm Group*

Maximum possible credit by CLEP General Examinations — 24 semester hours credit.

The Faculty Senate must approve any proposed changes of the percentage rank at which General CLEP Examination credit is given.

#### GENERAL INFORMATION

Many colleges and universities, including Boise State, accept the General Examinations and the Subject Matter Examinations as an alternate way by which a student may satisfy certain general education requirements or specific course or pre-major requirements.

**Students generally become prepared to take the exams by:**

1. Studying independently.
2. Having advanced High School courses that parallel those offered by the college.
3. Having previously audited the courses.
4. Attending non-accredited schools, etc.
5. Correspondence-extension work.
7. Travel.
8. Study in the Armed Forces or at proprietary schools.

You may not repeat a Subject Examination within a year. If you do, your scores will not be reported and your test fees will be forfeited. You may repeat the General Examinations once within a year's time if you make special arrangements.

**COST**

General Examinations (5 tests) $20 for each test

**SUBJECT EXAMINATIONS**

Cost/Fees must be paid by check or money order — not by cash — at the time of testing and made payable to the College-Level Examination Program.

Darlene Pline at the Counseling and Testing Center located in the Education Building, Room E611, phone 385-1801. Students seeking information about this and other advanced placement policy should contact Dr. William P. Mech, Director, Honors Program, Education Building, Room E707, phone 385-1122.

#### CREDIT FOR PREREQUISITES NOT TAKEN

Students who are deemed qualified may take designed courses without having taken the listed prerequisites. In some cases, the student may receive credit for the prerequisite course or courses bypassed.

#### INDEPENDENT STUDY

The availability of independent study opportunities for all upper-division students, and Honors Program lower-division students represents one of several unique curriculum choices at Boise State University. It is a project which must be primarily conceived and initiated by the student.

The independent study experience provides individual study opportunities of a reading or project nature, allowing the student to explore in depth a specific aspect of a discipline or professional field. Such study experience affords students the opportunity to exhibit scholarly competencies on an independent basis.
The Honors Program or any department of the university which fields a baccalaureate degree program is authorized to offer independent study. The course numbers for independent study are not listed in the schedule of classes printed each term. This does not, however, preclude their availability based on mutual agreement between student and professor and approval by the Department Chairman. Contact: Department Chairman.

Upper division students are allowed 1 to 4 credits of independent study per semester with a maximum of 6 credits in an academic year. A total of 9 credits may be earned towards graduation requirements.

SECOND B.A. AND/OR DOUBLE MAJOR

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

A student may be granted a single baccalaureate degree with more than one major, providing that he satisfied all requirements for each major field as well as satisfying all requirements for the degree sought.

STUDENT ADVISEMENT CONSIDERATION

As a general practice, it is essential that advisors program lower-division students into lower-division courses and schedule upper-division students into upper-division courses.

HONORS PROGRAM

The Honors Program is designed with general education in mind. Its main objective is to provide a broad and comprehensive liberal arts background which complements the specialized education and training which one obtains through the major department. This includes topics in the sciences, humanities, and social sciences as generally indicated by the standard degree requirements. However, the catalog requirements are to be considered as minimal guidelines which can, and should be amended when a stronger alternative is suggested.

While the Honors Program aims at enrichment more than acceleration, it is possible through Advanced Placement, Summer Reading, and extra courses for an Honors student to accumulate enough credits to graduate in less than the usual four years.

ELIGIBILITY

Qualified students from all departments may participate in the program. Freshmen who have demonstrated unusual scholastic ability and intellectual attainment in high school are encouraged to take part. Each year approximately the upper five percent of the entering freshmen are eligible for the Honors Program. Such students are selected on the basis of high school grade point average, ACT scores, and recommendations of their counselors or teachers.

Students who are not admitted to the Honors Program upon initial enrollment at Boise State may apply at any time after the completion of the first semester. An Honors student may drop out of the program at any time within the existing university rules, and the Honors courses he has taken will be applied toward the General University Requirements for Graduation.

HONORS COURSES

Each Honors student takes special Honors courses, some of which are required of all those enrolled in the program. These courses are taken in lieu of, rather than in addition to, the standard requirements. In every case, the student pursues work in his own major department that will prepare him for a professional career. The Honors Program works cooperatively with the major departments in providing the opportunity and stimulus for the student to realize his potential.

The following is a list of Honors Program courses presently available:

- English
- American History
- Western Civilization
- Mathematics
- Economics
- Geology
- Honors Colloquium
- Honors Seminar
- Independent Study
- Summer Reading

ACADEMIC INFORMATION

REQUIREMENTS

To graduate with Honors Program recognition, Honors students will take two courses in English Composition plus 18 hours of joint listed departmental honors courses with at least one honors course from each area, i.e., Area I, Area II, Area III, in addition to any student-directed honors seminars from these areas. To meet the English Composition requirements, the honors students will take two courses from the following: E 111, E 112, E 102, E 201, or any other writing courses with permission of the Honors Director. Each honors student will be required to take a three-credit upper division inter-disciplinary colloquium which will carry the HP prefix. Each honors student will complete a minimum of 30 semester hours of honors credit.

Flexibility is an indispensable feature of the Honors Program. This is true of the Honors courses as well as of the individual Honors student's program. Accordingly, the precise description and content of a specific course may vary from semester to semester. Current descriptions of Honors courses and Seminars are available in the regularly updated Honors Program Newsletter. The Newsletter and/or further information can be obtained by writing:

Honors Program Director
Boise State University
Boise, Idaho 83725

INTERNISHIP

Internships are available in many departments and in all schools within Boise State. They provide opportunity for a student to participate for variable credit in a "field exercise" or "practicum" which contributes to his academic development. The precise nature of an individual internship will necessarily vary depending upon the department, agency, and possibly, student. Contact: your Department Chairman or Dean.

WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION

WICHE Student Exchange Program — Idaho has entered into a regional program with the other Western states to create and support the Western Interstate Commission for Higher Education through whose agency qualified Idaho residents may attend professional schools of dentistry, optometry, physical therapy and occupational therapy in other Western states at essentially the same expense to the student as residents of the state in which the school is located. To qualify, students must have been legal residents of Idaho for at least five calendar years previous to the application date. The number of students who can be accommodated depends upon the amount of appropriated funds made available.

The WICHE Graduate Fellows Program is coordinated through the Western Interstate Commission for Higher Education and is administered in Idaho by the Office of the State Board of Education. This program provides opportunities for Idaho residents to enroll at resident tuition rates in selected graduate programs not available in Idaho, but made available by other Western states cooperating in the program. States participating with Idaho include: Montana, Wyoming, New Mexico, Alaska and Hawaii. In turn, Idaho makes certain of its programs available to residents of these cooperating states.

For further information, interested students should contact the Idaho WICHE Certifying Officer, Office of the State Board of Education, 650 West State Street, Boise, Idaho 83720.

STUDIES ABROAD PROGRAMS

The Office of Studies Abroad, located in the Offices of the Department of Foreign Languages, collects, catalogs and disburses information relative to programs, agencies, associations and opportunities for work, study and travel outside of the United States.

Boise State University is now affiliated with the Northwest Institutional Council for Studies Abroad (NICSA), a consortium of universities which, since 1969, sponsors liberal arts programs in London, England and Avignon, France. NICSA now also sponsors
ACADEMIC INFORMATION

a program in Cologne, Germany. Students may enroll in these programs here at WSU with BSU course numbers. No transfer of credit, no loss of credit.

The Office maintains files and forms essential for grants for studying abroad — for graduate students: Rhodes, Marshall and Fulbright-Hays.

The BSU Campus in Spain offers a full year of academic study in its overseas campus in Oviedo, Spain. This program, basically oriented towards the learning of Basque Language and Culture, also offers course work in Spanish language and literature. The year supplies a unique opportunity to live and study in a Non-English area, with a culture different from our own. No language background is required. Groups leave in September each year. Vacation time for study and travel to various parts of the Basque country enrich the experience.

OUTREACH
SERVICE AND PROGRAMS
EDUCATIONAL PROGRAMS, SPECIAL COURSES, AND COMMUNITY SERVICE OBJECTIVES

The University expresses its concern for individual improvement, equal opportunity, economic efficiency, and civic responsibility by offering continuing education for adults, and community service programs to assist in the process of human and community development by focusing upon the needs, aspirations, and potentialities of individuals, groups, and institutions.

The following programs and services are available at Boise State University to individuals, groups, firms, schools, and agencies:

- SPECIAL SERVICES AND PROGRAMS
  - Conference, Workshop, Seminar, Institute Planning Assistance — The University offers assistance to groups and agencies that desire help in planning educational programs or require assistance in upgrading personnel in new techniques, knowledge, and skills.
  - Faculty and Staff Consultation Service — The faculty and staff of Boise State University stand ready to assist business, industry, educational institutions, governmental agencies, professional groups, and others in the solving of their education and training problems or in their research and development efforts.
  - Use of Facilities — Boise State University will make available meeting rooms and classroom facilities to the various community groups and agencies.
  - Reading Education Center — Individualized reading improvement programs will be arranged for students and specialized reading problems. This service is available during the Fall, Spring, and Summer terms.
  - Educational Media Services — A large collection of educational media materials is housed in the library. These teaching aids are available for the university faculty, the school teachers of the state, and the students in teacher education. Community organizations may use these media when available. Projectors, TV and other audio-visual equipment are available for group use on the campus.
  - Data Processing Center — The Center for Data Processing, housed on the first floor of the Business Building, is a university-wide service unit. Its primary mission is to provide computing and data processing services in support of the educational and administrative objectives of the university, to encourage the use of data processing procedures throughout the university, and, in particular, to stimulate the innovative utilization of the equipment.
  - The Center for Data Processing represents a service agency. All students, faculty, and staff are encouraged to make full use of our facilities. Appropriate charges are made relative to faculty and staff utilization wherein funded projects are involved. Rates are available from the Center for proposal purposes. Charges for data processing services are not made for university use.
  - Tours of facilities, equipment demonstrations, and inservice lectures relative to data processing are available upon request.

The Visiting Scientist Program — The School of Arts and Sciences has a number of faculty members who are willing to speak to high school science and mathematics classes. Each participant has prepared presentations of approximately 40 minutes duration on topics that would be appropriate for interested high school students. The Visiting Scientist Program is available without cost to the school. Presentations may be scheduled for single classes or collective classes. Speakers can be scheduled for one day only, but when necessary, the presentation may be given as many as three times during that day. Three weeks advance notice is necessary for proper scheduling.

Speaker's Bureau — As a service to the region and state, Boise State has organized a faculty and state Speaker's Bureau whose members have volunteered to present lectures and/or talks before community groups and organizations. Write or call the News Bureau at 385-1562 to make requests.

Public Affairs and Cultural Enrichment — Boise State University offers great variety in its program of public affairs and cultural enrichment with many events presented at no charge. Many of these offerings can be presented in your community. Some of the events that provide opportunities of participation and observation include:

- University Band
- Drama Offerings
- Opera Workshop
- A Capella Choir
- Traveling Art Exhibits
- Foreign Film Festival
- Concerts and Recitals
- Faculty Lecture Series
- Forums of Particular Arts
- BSU Community Symphony Orchestra
- Demonstrations in various fields of study
- Programs of outstanding artists and lecturers

INSTRUCTIONAL PROGRAM AND SPECIAL COURSES

Evening Program — The University offers academic, vocational, and professional courses on campus for the many individuals in the community who seek to achieve their own personal educational objectives.

Weekend Program — This program is a continuing approach designed to make university offerings accessible to more of the people who wish to take courses but are unable to attend day or evening classes or who find weekend attendance better suited to their time schedule.

Evening Vocational-Technical Education Program — This program is designed to offer courses in a wide variety of occupational fields to upgrade those individuals currently engaged in the skill, craft, trade, or technology in which the courses are offered.

Adult Basic Education Program — Basic literacy training for adults in the community is offered at the Vocational-Technical Division for those who desire to upgrade themselves in order to qualify for occupational entry and/or pursue high school instruction.

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

Guided Studies Program — Boise State University has begun a program of guided studies that encompasses high school subjects for adults. Currently the courses include Algebra, Plane Geometry, General Mathematics, English I, II, and III, American Government, Social Studies, and Natural Science. These courses are taught on either a semester or short course basis, depending on the needs of the adult student. Other courses are available to the students on demand. These courses meet the State of Idaho and Veterans Administration approval requirements (Chapter 34, Title 38, U.S. Code — VAR 14253A2).

Special Interest Group Courses and Programs — Offerings that have proved to be of continued utility to various special interest groups, such as the engineers workshop preparing participants
for the state licensing examinations, are offered as a regular, periodic feature of the University’s instructional program.

Educational Television is provided for the residents of Treasure Valley from Boise State University, licensee of station KAID-TV, a non-commercial, public broadcasting station. The station produces and airs, in color, instructional TV programs for public education, higher education, and the community. Programs are produced and offered complete courses via TV for Boise State University as well as supplemental materials for several departments and individual course offerings. An affiliate of the Public Broadcast Network, the station also produces and airs public television programs of wide cultural and public interest to the citizens of Idaho.

SUMMER SESSION PROGRAM

A full complement of programs, courses, and services is offered in the summer. Graduate, undergraduate and noncredit programs and courses are offered in the several term block sessions on campus. The ten week session offers sequence courses within the sciences. The eight week session is primarily for graduate courses. The five week session is the normal or standard session for undergraduate course offerings. For more information about summer programs contact the Office of Continuing Education and Summer Sessions, Boise State University.

CONTINUING EDUCATION

Educational needs of citizens of the ten southwestern counties of Idaho are being met by the Continuing Education Program at Boise State University. Both credit and non-credit courses are offered in this region with boundaries north to New Meadows, east to Glenns Ferry, south to the Nevada border and west to the Oregon border.

Graduate and undergraduate courses may be organized when there is sufficient enrollment for a class and a qualified instructor is available.

Although classes usually meet on a semester basis, they can be started at any time during the semester. Continuing Education has the authority to negotiate with school districts, organizations and business concerns to provide more effective in-service courses and workshops designed around their particular educational needs.

McCall Summer Program — A wide range of University courses — both graduate and undergraduate — are offered at McCall during the summer months.

Mountain Home Air Force Base Program — Boise State University offers academic, college-level courses in a resident program to military personnel, their dependents, and members of the surrounding communities who desire to pursue educational goals.

Correspondence Study in Idaho is coordinated and administered by the Correspondence Study Office located on the University of Idaho Campus. Courses are written and graded by approved faculties of the University of Idaho, Boise State University, Lewis-Clark State College, and Idaho State University. Continuing Education serves as the contact office on the BSU Campus.

CIVIC IMPROVEMENT EFFORTS

Boise State University as an institution and more specifically its faculty, staff, and students are engaged in cooperative efforts with state and local governments, business, industry, professions, religious groups, and social groups to increase the resources of the community or to resolve major problems confronting the state and the community.

COORDINATING OFFICE

Continuing Education/Off-Campus Programs — For more information about these programs and/or courses to be held off of the main University campus, contact the office of Continuing Education and Summer Sessions, Boise State University, 1910 University Drive, Boise, ID 83725, phone 385-3293.

CALENDAR OF EVENTS

The News Bureau publishes semester and monthly calendars that list events of interest to the public. Call 385-1562 to be put on the mailing list. The News Bureau also maintains an information phone at 385-1198 that is updated weekly.

ACADEMIC INFORMATION

UNIVERSITY LIBRARY

The University Library contains a collection of 240,000 volumes chosen by librarians and teaching faculty to support the curricular and research needs of the University. The main book collection is distributed among the fourth floor of the Special Library Learning Center, which is located in the center of the campus and faces the Memorial Fountain and Mall. The building has been planned to provide an attractive setting for reading, study and research.

Scattered through the library are 1380 reader stations, including individual carrels and seating at large tables and in lounge areas. Small study rooms and typing rooms are available for group or individual use. The building includes a number of features to facilitate use by handicapped students.

Basic information service and assistance in learning to use library resources are provided by the Reference Department. The Interlibrary Loan section of Reference assists faculty and graduate students in obtaining resources not available locally. Undergraduate students may use Interlibrary Loan to borrow materials available within the State of Idaho.

The Circulation Department is responsible for the check-out of books in the main collection to students and faculty. Also within Circulation is the Reserve Book section, which contains required and suggested readings for many individual courses.

The Curriculum Resource Center features a collection of multimedia and non-book materials, and the children’s and young adult literature collections. Curriculum and special education materials available to teachers in the Boise area as well as to university students and faculty. Stereo carrels provide listening facilities for phonograph records and tapes.

The Maps and Special Collections Department contains the Library’s collection of 75,000 maps, University Archives and several special collections, including Senator Len B. Jordan’s senatorial papers, the Earl Wayland Bowman and Paul E. Tracy collections.

The Periodicals and Documents Department receives 2200 current periodicals, more than 60 newspapers, many U.S. and Idaho documents, and Rand Corporation publications; the B.S.U. Library is a select depository for U.S. government publications. The Library’s collection of books, periodicals and documents on microfilm, more than 130,000 pieces, is also located in this department.

Educational Media Services, located on the second floor of the Library Learning Center, offers a variety of audio-visual resources and services to the campus. Included are the use of a fine collection of 16mm educational sound films and educational video tapes; the use of all types of audio-visual equipment; special graphic arts, photography and television production services as required by individual teachers; and consultation on the design and utilization of instructional materials. These services are designed to meet the needs and requirements of the University’s instructional program.

The University Library shares the Library Learning Center Building with Educational Television studios, Continuing Education and several academic departments.

ACADEMIC REGULATIONS

REGISTRAR:

The Registrar has direct responsibility for, maintaining and updating the University’s student record system, which includes maintaining a duplicate set of transcript records on microfilm, certifying masters, baccalaureate and two-year degrees; administering veterans and Social Security benefits certifications; certifying student grade point averages for the Dean’s List, student body offices, etc.; processing all changes of enrollment including
withdrawals from the University; providing transcript service for students, both current and inactive; providing enrollment data to federal and state agencies; taking care of inquiries concerning evaluation of credit earned at Boise State University or other institutions; certifying eligibility for athletic participation; and responsibility to plan and supervise regular and late registration.

In addition the Registrar is responsible for publishing an annual enrollment report, probation and dismissal lists, and lists of graduates.

A. FACULTY ADVISING

Prior to actual registration, each student registering for the first time is assigned to a Faculty Advisor who will assist in preparing the student’s Course Request Form and in identifying academic requirements for graduation. Students contemplating any change of program must first confer and initiate the necessary forms with their advisor.

A student may elect a change of advisor after the first semester in attendance by obtaining permission from the Advising Coordinator of their School.

B. STUDENT ADDRESS CHANGE

The student is held responsible for keeping his or her address up-to-date with the Registrar’s Office by filing a Change of Address form in Room 102 of the Administration Building. THE MAILING OF NOTICES TO THE LAST ADDRESS ON RECORD CONSTITUTES OFFICIAL NOTIFICATION.

C. AUDIT VS. CREDIT REGISTRATION

A student may enroll if space is available in a course without credit or a grade as an AUDITOR. Audit indicates that a student was allowed a place in the class, but may or may not have participated in class activities. Under certain exceptional circumstances, faculty may initiate withdrawal procedures. See “Complete Withdrawal” policy in the BSU Bulletin.

A student may enroll in a course without credit or a grade as an AUDITOR. Participation in class requirements is optional but should be arranged with the instructor early in the semester.

Students enrolling in courses for CREDIT are required to attend class regularly, complete all assignments, and take the necessary examinations. Courses may be taken only once for Credit; however, they may be Audited again, if desired. See Regulation J-b for the procedures to change from credit to audit or audit to credit.

D. CHALLENGING COURSES AND CREDIT BY EXAMINATION

It is possible for a student to challenge a university course when he feels that because of his past background, education, and experience, he can pass an examination covering the subject material of a course. Requests for consideration are made through the Chairman of the Department in which the course is offered.

Each department shall have the option to allow or not to allow credit by examination for each course in the department. In those courses where credit by examination is allowed, the department shall have the option of using a standardized examination or an examination prepared within the department. The student attempting to earn credit by examination shall, upon receiving his score for the examination, consult with the Department Chairman and determine which one of the following options will be selected.

1. For a regular grade.
2. On a credit-no-credit basis whereby the student receives credit and no grade for the course if he passes the examination or no credit and no grade if he fails the examination.

E. ATTENDANCE AND ABSENCE FROM CLASS

Students are responsible for their attendance in the courses for which they are enrolled. No absences, whether approved by the University for participation in university sponsored activities, or necessitated by sickness or other personal emergency, are “excused” in the sense of relieving the student of responsibility for work assigned or carried on by a class during his absence. It is his responsibility to arrange with his instructors to make up work which he is forced to miss.

A student who has been absent from a meeting of a class has lost some of the content of the course, regardless of the cause of the absence. If any student accumulates absences to the extent that further participation in the class seems to be of little value to him and detrimental to the best interests of the class, the instructor shall warn such student that further absence may cause him to fail the course.

F. GRADING SYSTEM

A—Distinguished work—Four quality points per hour.
B—Superior work—Three quality points per hour.
C—Average work—Two quality points per hour.
D—Passing but unsatisfactory work—One quality point per hour.
F—Failure—No quality points per hour.
P—Pass—No quality points.
CR—Credit—No quality points.
NC—No Credit—No quality points.
I—Incomplete.
W—Withdrawal—No quality points.
S—Satisfactory—No quality points.
U—Unsatisfactory—No quality points.
AUD—Audit—No quality points.
NR—No record.
NG—Non-gradable.

The grade of incomplete can be given in cases where the student's work has been satisfactory up to the last three weeks of the semester. The returning student must contact the instructor and consider the following options:

1. Make up the work within the first half of the current semester.
2. Request of both instructor and department chairman an extension of time.
3. Retake — repeat the courses.
4. Request that the Incomplete be changed to a W.

If the student fails to contact the instructor by mid-semester, the instructor can, at that time, change the Incomplete to a “W” or elect to extend the Incomplete into the next semester. Within that next semester if the student contacts the instructor, the procedure outlined above can be followed.

Course Repetition — GPA Relationship

Under certain conditions a student may repeat a course in which he has received a grade of “F” or “D”.

1. Independent studies, internships, and student teaching may be taken only once; they may not be repeated. Otherwise, a student who received a grade of “F” or “D” in a given course may elect to repeat that course to raise the grade, provided that course is still offered.
2. Courses in which a student receives a grade of “F” or “D” may be repeated only once.
3. Degree credit for courses so repeated will be granted only once, but both grades shall be permanently recorded.
4. In computing the GPA of a student with repeat courses, only the 2nd grade and quality points shall be used.

G. CLASSIFICATION OF STUDENTS

After registration students are classified as Freshmen, Sophomores, Juniors, Seniors or Graduate.

Freshman—From 0 semester credits through 25.
Sophomore—From 26 semester credits through 57.
Junior—From 58 semester credits through 89.
Senior—90 semester credits and over, but has not received B.A. Degree.
Graduate—Has received B.A. degree.

A student enrolled for 8 semester hours or more will be considered a full-time student for fee paying purposes only. See Page 12 for further information.

A student who is carrying less than 8 hours will be classified as a part-time student.
H. ACADEMIC PROBATION
DISQUALIFICATION
A student whose academic work indicates that he cannot con-
tinue in the university with profit to himself and credit to the in-
stitution will be placed on academic probation, if he continues
on academic probation at the end of his next semester of atten-
dance, he will be subject to dismissal from the university.

I. Academic Probation
A. At the end of a semester (fall, spring, or summer)
undergraduate students who do not attain the cumulative
grade point average required for the number of hours at-
ttempted are placed on probation for the next semester of enrollment.

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B. The cumulative GPA will be computed on all credits at-
ttempted.
C. Students on academic probation will be automatically
removed from probation at a time they earn a cumulative
GPA equal to or higher than the minimum required for the
number of hours attempted.

II. Disqualification
A. After being placed on academic probation, if a student
continues on academic probation at the end of his next semester of attendance, he will be disqualified and
dismissed from the university unless his/her GPA for the
most recent semester of enrollment was 2.00 or higher.
B. In the event a student's cumulative GPA is below the
minimum required but his/her GPA for his/her most re-
cent semester of enrollment was 2.00 or higher, the stu-
dent will be on continued probation.

III. Reinstatement
A. After being disqualified and dismissed from the university
a student may be reinstated by submitting a petition to the
academic dean of the school he/she was dismissed from
and receiving favorable action on his/her petition.
B. Students who attend another institution while disqualified
must meet the same standards as continuing Boise State
University students when applying for readmission.
C. Students who are disqualified and reinstated by favorable
action on their petitions are reinstated on academic prob-
ation.

IV. Repeated Disqualification
A. If, after being reinstated, a student fails to achieve either a
2.00 GPA during his next semester's enrollment or the
minimum GPA required by his/her hours attempted, the
student will receive a repeat disqualification.
B. If a student receives a repeat disqualification, he/she will
be dismissed from the university and cannot be reinstated
to the university except by petition to and favorable action
from his/her academic dean.
C. Students on repeat disqualification who are reinstated by
favorable action on their petition must earn a minimum GPA
of 2.00 for the semester reinstated or must raise their
cumulative GPA equal to or above the minimum required
or they will receive an additional repeat disqualification.

V. Forgiveness for Failing Grades
A student who has not been enrolled in a college or universi-
ty as a full-time student for a period of two consecutive years
may upon returning full-time to Boise State University credit
status and completion of a semester of full-time work (12
hours or more) with a GPA of 2.25 for that semester make
application to the dean of the school for removal of any "F"
grade given by Boise State University. With approval of the
dean of the school in which the student is majoring, the GPA
will be recomputed to include all grades with the exception of
those dismissed. No change will be made on the transcript of
record. Application for changing an "F" grade must be made
no more than two semesters after full-time re-enrollment at
Boise State University.

VI. Restrictions
Students who have been disqualified are ineligible for par-
ticipation in University-sponsored extracurricular activities
until they are back in academic good standing (see Eligibility
for Extracurricular Activities section of the BSU Student
Handbook).

I. ADMISSION ON PROBATION
Students wishing to transfer to Boise State University from
other colleges and universities must have a GPA of 2.00 or above
on all prior collegiate work completed or have cleared the proba-
tionary provision outlined in the preceding section H, Academic
Probation and Disqualification.

J. CHANGE IN REGISTRATION
1. STUDENT PROGRAM CHANGES
Students may make the following registration and program
changes by securing a "Change in Registration" form and
signature from their Advisor and then the endorsement of
each professor involved in the change. The completed
"Change in Registration" form must be filed with the
Registrar's Office. No registration or program change is ef-
fective until dated and signed by the Registrar's Office.
ACADEMIC INFORMATION

A. Adding a Course:
   Students may ADD a course(s) from the second (2) day through the tenth (10) day of classes without the written consent of the professor. A "Change in Registration" form must be secured and signed by the Advisor and a "Class Card" obtained from the Academic Department Chairman's Office. Detailed procedural information and instructions are printed each semester in the "Class Schedule."

1. Beginning with the eleventh (11) day of classes until the end of the tenth week of classes, students must secure the consent and signature of the professor and their advisor to add a course(s) for credit.
2. No student may ADD a course(s) after the last day to make registration and program changes (the end of the tenth week of classes).

B. Dropping A Course:
   Students may DROP a course(s) by following the same procedures listed in Regulation J., 1., A., above until the end of the tenth week of classes without penalty for failing work. All grades will be recorded as a "W" (withdrawal).

1. No student may DROP a course(s) after the last day to make registration and program changes (the end of the tenth week of classes), except for verifiable emergency and/or medical reasons.
2. All appeals/requests for an emergency and/or medical withdrawal from a course(s) will only be made through the Dean of Student Advisory & Special Services (for a complete withdrawal from the University see Regulation J., 2.)
3. Students who remain enrolled in a course(s) after the last day to make registration or program changes (see Academic Calendar for specific date) and who fail to complete the course requirements shall be awarded a final grade of "F".

C. Audit/Credit:
   Students may change their status in a course from CREDIT to AUDIT or from AUDIT to CREDIT by following the same procedures as adding a course (Regulation J., 1., A., above) until the end of the tenth week of classes (see Academic Calendar). No student may change from Credit to Audit after the last day to make registration or program changes.

1. Students who change their status in a course from AUDIT to CREDIT must pay the difference in course credit cost. All changes must be initiated by the student.
2. Students who change their status in a course(s) from CREDIT to AUDIT during the first four weeks of a semester may request a refund of the difference between Audit registration fees and Credit registration fees. Any refund will be pro-rated in accordance with the University's refund policy pertaining to general fees.

D. Late Registration:
   Individuals who file an "Application for Admission" after the cut-off dates for "Pre-Registration" and "Open-Registration" may register for courses that are still available during the two week late registration period following the first day of classes by reporting to the Dean of Admission Office Information window for instructions.

1. Individuals who wish to register after "Late Registration" ends and before the last day to make registration or program changes must:
   a. Obtain a "PETITION FOR PERMISSION TO MAKE CHANGES AFTER DEADLINE DATE" form from the Dean of Admissions Office Information Window;
   b. Confer with each professor for their permission and signature;
   c. secure the final approval from their Department Chairman or Academic Dean;
   d. file the approved petition form with the Registrar's Office, and;
   e. turn in an approved copy to the Business Office Cashier and pay fees. An individual's registration is NOT officially complete until all fees are paid.
2. No "Registration by Petition" will be accepted after the last day to make registration or program changes (see Academic Calendar for the specific date).

2. COMPLETE WITHDRAWAL FROM THE UNIVERSITY
   Students who wish to leave the University in "Good Standing" (complete withdrawal from all courses) must initiate an official request through the Dean of Student Advisory & Special Services Office. Vocational-Technical students must clear with the Vocational Counselors prior to reporting to the Dean of Student Advisory & Special Services Office.

A. Time Limit:
   Requests for a Complete Withdrawal from the University will be accepted up to the last day to make registration and program changes without penalty for failing work (see Academic Calendar for specific date). All final grades will be recorded as a "W" (withdrawal).

1. No request for a complete withdrawal will be accepted or processed after the "Last day to make registration and program changes" except for verifiable emergency and/or medical reasons, i.e., conditions beyond the student's physical control.
2. Students who remain enrolled in the University after the last day to make registration and program changes and who fail to complete course requirements shall be awarded a final grade of "F".

B. Faculty Initiated Withdrawal:
   Although the primary responsibility for withdrawing from individual courses rests with the individual student, the professor may, in certain situations, initiate a withdrawal.

1. If the student registers for the course but never attends.
2. If the student registers for the course, attends briefly, and then neglects to withdraw from the course.
3. If a student registers for the course on an Audit basis but never attends, or attends for only a brief period of time.
   In cases where a faculty initiated withdrawal the professor will notify the Office of the Dean of Student Affairs of the impending action. The Dean of Student Affairs Office will then notify the student. If no further effort is made by the student within two weeks after notification, the professor may then initiate the withdrawal. Normally, faculty are requested to initiate the withdrawal from class by the mid-semester report due date in order to allow two weeks for notification of the student.

3. RIGHT OF APPEAL:
   In cases where a strict application of these regulations seem — in the opinion of the professor, advisor, or student — to work an unreasonable hardship, the Dean of Student Advisory and Special Services is authorized to grant exceptions.

4. STUDENT'S RESPONSIBILITY
   All changes in registration, program, or to an individual student's cumulative academic record are the responsibility of and must be initiated and approved by the student concerned.

K. COURSE PREREQUISITE WAIVER
   Specific course prerequisites may be waived upon written approval of the Dean of the School in whose area the course is offered. A student seeking to have prerequisites waived must justify his request on the basis of background, education, and experience to the satisfaction of the Dean of the School.

L. CREDIT FOR PREREQUISITES NOT TAKEN
   Students who have a sufficiently high GPA or ACT score, who pass a Departmental Placement examination, or have the approval...
of the department chairman may take designated courses without having completed the listed prerequisite.

Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) will be given credit with a grade of "S" for that course(s) when the following conditions are fulfilled:

1. The student may make application for this credit only after the final grade for the advanced course is officially recorded.
2. The student, in consultation with his advisor, must initiate the application, using the appropriate form and following the proper procedure.
3. Department chairmen and deans will determine for which course(s) this credit is appropriate.
4. In some cases, as determined and required by department chairmen and deans, an examination covering the content of the prerequisite course(s) must be passed by the student before the credit with a grade of "S" is awarded.

M. PETITIONS

Individuals or groups of students always have the privilege of petition. Academic petitions should be addressed to the Dean of the appropriate school. Other petitions should be directed to the appropriate administrative officer.

N. UNDERGRADUATE ENROLLMENT IN 500-LEVEL COURSES

Undergraduate students at Boise State University may apply up to a total of two 500-level courses (they would enroll under special status) toward the credit requirements for their undergraduate degree. Undergraduates in 500-level courses must have senior standing. 500-level courses may be applied to the required 40 hours of upper-division credits.

O. VETERANS

The VA requires veterans who request G.I. Bill benefits to submit official transcripts from all previously attended colleges, whether the veteran is full or part time.

Veterans attending under the G.I. Bill (Chapter 34) or under the Dependence Educational Assistance (Chapter 35 — widows, orphans and wives and children of 100% disabled veterans) can apply for their benefits through the Office of Veterans Affairs in Rm 114 of the Administration Bldg.

Those attending under Chapter 31 (Rehabilitation Program) must present an Authorization of Entrance or be charged tuition and fees. Upon presentation of this Authorization, complete refund will be made.

Veterans (Chapter 34) and Eligible Persons (Chapter 35) who plan to attend on the G.I. Bill must, upon registration, pay all required charges. Veterans (Chapter 31) must present, upon registration, an Authorization of Entrance. Twelve credit hours for undergraduate students and nine credit hours (500 level or 400G level) for graduate students will be considered full time for educational benefits by the Veterans Administration as a full schedule.

Graduate students taking a combination of undergraduate and graduate credits will be certified based on a formula to determine the credit hour load for benefits.

Note: Audits and repeats may not be counted toward these hours.

All veterans pursuing a second baccalaureate degree must have an official evaluation. Official copies of the evaluations are furnished to the VA Regional Office, the veteran, and Boise State University. Only those courses that are applicable for the degree objective will be considered in determining VA educational payments.

Veterans enrolled in graduate programs are required to file a Program Development Form with the Graduate Admissions Office. Only those courses that are applicable for the degree objective will be considered in determining VA educational payments.

The following schedule will be followed in certifying veterans to receive benefits from the Veterans Administration.

1. If the veteran is a graduate student, his benefits will be determined by the number of graduate hours he enrolls for according to the following schedule:
   - 0-3 semester hours — Registration fee only
   - 4 or more semester hours — full time
   - 6-8 semester hours — ¾ time
   - 9-11 semester hours — ⅔ time
   - 12 or more semester hours — full time

   Less than 4 semester hours — Registration fee only

2. If the veteran is an undergraduate student, his benefits will be determined by the number of hours he enrolls for according to the following schedule:
   - 4-5 semester hours — ½ time
   - 6-8 semester hours — ⅔ time
   - 9-11 semester hours — full time
   - 12 or more semester hours — full time

   Less than 6 semester hours — Registration fee only

P. SERVICEMAN'S OPPORTUNITY COLLEGE

The necessary mobility of people in military service has always been an obstacle to the completion of an educational program. "The Serviceman's Opportunity College Program (SOC) represents a network of nearly 300 institutions of higher learning that recognizes the needs of servicemen and women and have indicated their intention to cooperate as to policies on admissions, transfers of credits and residency requirements. Their participation in an organized effort geared to opportunities for program completion represents a new commitment to education."

Boise State University endorses the Serviceman's Opportunity College with the following qualifications:

1. Entrance into this program by a serviceman will be through a signed contract between the student and the University, specifying responsibilities of both the student and the University.
2. The agreement shall terminate six years from date of approval or six months after serviceman’s separation from active duty; whichever comes first.
3. The agreement (and thus the SOC Program) will be made available only to those servicemen who have successfully completed (with a GPA of 2.25 or above) fifteen (15) or more hours of college credit through B.S.U.
4. Residency requirements other than the initial 15 hours prior to the signing of the contract will be waived.
5. Acceptance of any serviceman into the SOC Program is contingent upon the agreement of the given department in which jurisdiction that program lies.
6. No school or department shall be compelled to offer a SOC Program — such programs are voluntary.

For information concerning the G.I. Bill contact the Office of Veterans Affairs in Adm-114, (208) 385-1679.

Q. TRANSFER OF VOCATIONAL TECHNICAL/ACADEMIC CREDITS

1. Block transfer of vocational-technical and/or academic credits:

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

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

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

2. Transfer of equivalent vocational-technical course credits and/or academic credits:

   Credit for specific vocational-technical school courses may be awarded when equivalency has been validated by the appropriate academic department and approved by the college offering the equivalent course work.

   Vocational-technical school credit may be awarded for specified academic course credit when the equivalency has been determined by the appropriate vocational-technical division or department offering the equivalent course work.
ACADEMIC INFORMATION

3. Transfer of non-equivalent vocational-technical and/or academic unit course credits:
   Reciprocal exchange of non-equivalent prior learning such as course work training or work experiences between vocational-technical and academic institutions shall be at the discretion of the appropriate division or department.
   If a student transfers from one program in vocational-technical education or an academic program to another, the receiving department or division will reevaluate the appropriateness of such vocational-technical training or experience and/or academic course work.

R. DEAN'S LIST
Every student who has attempted 12 or more credits of academic work and achieves a good grade point average of 3.5 or higher receives "Dean's List" recognition. An individual with a grade point average of 3.50 to 3.74 receives an "Honors" designation; a person with a 3.75 to 3.99 grade point average receives a "High Honors" designation; and a person who achieves a 4.00 grade point average receives a "Highest Honors" designation.

STUDENTS UNDECIDED ON MAJOR
Many students have not determined a major field of study at the time they enter college and wish to enroll in general courses until such time as they decide upon a major. Often it is not necessary to determine a major until the beginning of the junior year.
   The following course suggestion for the freshman year includes those basic requirements for a Bachelor of Arts Degree. Within this program a student may choose from several courses listed in each area. An elective course should be chosen from the School of Business. These courses will be counted toward graduation either as electives or possibly as requirements in the major field once it has been chosen. For minimum requirements on the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, and Bachelor of Fine Arts Degrees, please refer to page 24 of this bulletin.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th></th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Area I Requirements</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Area II Requirements</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Area III Requirements</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Elective in School of Business</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

* Determined by student score on ACT exam. See below.
Each area consists of courses from the following fields:
- AREA I
  - Art
  - Humanities
  - Foreign Language (102 or higher of one language)
  - Literature
  - Music
  - Philosophy
  - Theatre Arts
- AREA II
  - Anthropology
  - History
  - Communications
  - Political Science
  - Economics
  - Psychology
  - Geography
  - Sociology
- AREA III
  1. A year's sequence chosen from:
     - Biological Science
     - Mathematics
     - Physical Science (Includes C, GO, PS and PH courses)
  2. Any three of the following courses: except no more than two from a single department.
     - Biology—Concepts of Biology
     - Chemistry—Concepts of Chemistry

GEOLGY—Fundamentals of Geology
Mathematics—Cultural Approach to Math
Physical Science—Foundations of Physical Science
Physics—Introduction to Descriptive Astronomy

A freshman who is working part time should probably not plan to carry the number of credits suggested in the preceding program. The number of credit hours advisable should be determined by talking with a faculty advisor prior to registration.

GRADUATION
A student must make formal application for graduation by filing with the Registrar the application form which is obtained at the Registrar's Office. Normally this application should be submitted two semesters before the contemplated graduation and upon the completion of 70 credit hours.

Requirements for graduation are checked in accordance with the requirements of one university catalog. A student is not permitted to combine programs from different catalogs, but he may choose to graduate on the basis of the catalog of any year in which he has been registered providing that said catalog was in effect not more than six academic years prior to the year of graduation.

GRADUATION REQUIREMENTS

GENERAL UNIVERSITY (CORE) REQUIREMENTS
To receive a Baccalaureate degree from Boise State University all students must meet the following general requirements.

ENGLISH COMPOSITION

English composition, E 101 and E 102, must be successfully completed by all students with the following exceptions:
   a. Students scoring in the 80th percentile or above on the ACT national norms are exempt from E 101.
   b. Any student, with the recommendation and permission of the English Department may take the departmentally specified competency test and upon passing it be exempt from E 101.

All entering freshmen scoring below the 20th percentile on the ACT national norms are required to take Developmental Writing (E-010) and to pass with an S grade before being admitted to E 101.

BACCALAUREATE DEGREES
MINIMUM GRADUATION REQUIREMENTS (CREDITS)

ALL BACCALAUREATE DEGREES

1. General College Requirements (minimum)
   a. Total credit hours .................................................. 128
      Must include:
      1. English Composition ........................................... 3-6
      2. Upper Division credit hours ................................. 40
   B. Grade Point Average for all courses taken ............... 2.0

II. Other College Requirements
   A. Minimum requirements for one of the degrees offered.
   B. Specific requirements for a departmental major.
      1. A student must have a minimum cumulative 2.00 G.P.A.
         in all courses required by his major.
      2. A student will not be allowed credit toward his major
         department requirements for any grade of "D" in upper
         division courses in his major department.
   C. A minimum of 15 credit hours of electives outside of the
      major field.

III. Minimum credit hours in residence: the last 30 credit hours
    prior to graduation must be taken at the university during the
    regular or summer sessions.

IV. Extension, Correspondence and Religion Courses
A candidate for a degree may earn up to 32 semester hours in any combination of extension and/or correspondence courses toward the required credit hours for graduation. These hours must have departmental approval for acceptance towards majors department requirements.

Such correspondence courses must be completed and the transcript filed with the registrar prior to mid-term of the semester in which the last 15 hours of residence credit are started.

Up to eight (8) credits of non-sectarian religion courses from accredited colleges and universities may be accepted as general electives.

V. Requirements for Additional Baccalaureate degree

a. A minimum of thirty additional semester hours of resident work, beyond the hours required for his first degree, for each subsequent degree.

b. Satisfaction of upper-division requirements in the major field selected as recommended by the department and approved by the dean of the school in which the additional degree is to be granted.

c. Satisfactory completion of other requirements of the University as approved by the dean of the school in which the additional degree is to be granted or sought.

VI. Requirements for Double Major

A student may be granted a single baccalaureate degree with more than one major, providing that he satisfies all requirements for each major field as recommended by the department and approved by the dean of the school in which each major is to be granted, as well as satisfying all requirements for the degree sought.

BACHELOR OF ARTS DEGREE

MINIMUM REQUIREMENTS (CREDITS)

A. General University requirements — 3 or 6+ credits

1. English Composition .......................... 3 or 6^

B. Area I requirements .................................. 12**

1. Three credits in Literature
2. Three credits in a second field
3. Three credits in a third field
4. Three credits in any Area I field

Area I is composed of the following fields:

- Art AR
- Humanities HU
- Literature***
- Music MA, ME, MU
- Philosophy PY
- Theatre Arts TA
- Foreign Language (102 or higher of one language)

C. Area II requirements .................................. 12

1. Three credits in History
2. Three credits in a second field
3. Three credits in a third field
4. Three credits in any Area II field

Area II is composed of the following fields:

- Anthropology AN
- Communication CM
- Economics EC
- Geography GG
- History HY
- Political Science PO
- Psychology P
- Sociology SO

D. Area III requirements .................................. 12

1. A year's sequence chosen from:
   - Biological Sciences
   - Mathematics
   - Physical Sciences***
   - With additional credits from a field other than that chosen to satisfy the sequence requirement

OR

2. Any three of the following courses except no more than two from a single department:
   - Biology — Concepts of Biology
   - Chemistry — Concepts of Chemistry
   - Geology — Fundamentals of Geology
   - Mathematics — Cultural Approach to Math
   - Physics, Engineering, and Physical Science
   - Energy for Society
   - Either Foundations of Physical Science or A Cultural Approach to Physics, but not both

Area III is composed of the following fields:

- Biology B, BT, Z
- Physical Science — PS
- Chemistry — C
- Physics — PH
- Geology — GO
- Engineering — EN
- Mathematics — M

E. Students seeking the B.A. degree must have an additional 9 credits chosen from Area I and/or II.

F. Departmental major

1. Determined by student score on ACT exam. See general university (core) requirements.

2. Literature — Courses in various departments concerned with the writings of specific authors, periods, styles, themes, or geographic area.


BACHELOR OF SCIENCE DEGREE

MINIMUM REQUIREMENTS (CREDITS)

A. General University requirements — 3 or 6+ credits

1. English Composition .......................... 3 or 6^

B. Area I requirements .................................. 12**

1. Three credits in Literature
2. Three credits in a second field
3. Three credits in a third field
4. Three credits in any Area I field

Area I is composed of the following fields:

- Art AR
- Humanities HU
- Literature***
- Music MA, ME, MU
- Philosophy PY
- Theatre Arts TA
- Foreign Language (102 or higher of one language)

C. Area II requirements .................................. 12

1. Three credits in History
2. Three credits in a second field
3. Three credits in a third field
4. Three credits in any Area II field

Area II is composed of the following fields:

- Anthropology AN
- Communication CM
- Economics EC
- Geography GG
- History HY
- Political Science PO
- Psychology P
- Sociology SO

D. Area III requirements .................................. 12

1. Two fields must be represented
   1. A year's sequence chosen from:
      - Biological Sciences
      - Mathematics
      - Physical Sciences***
      - With additional credits from a field other than that chosen to satisfy the sequence requirement

OR

2. Any three of the following courses except no more than two from a single department:
   - Biology — Concepts of Biology
   - Chemistry — Concepts of Chemistry
   - Geology — Fundamentals of Geology
   - Mathematics — Cultural Approach to Math
   - Physics, Engineering, and Physical Science
   - Energy for Society
   - Either Foundations of Physical Science or A Cultural Approach to Physics, but not both

Area III is composed of the following fields:

- Biology B, BT, Z
### ACADEMIC INFORMATION

- Chemistry C
- Geology GO
- Mathematics M
- Physical Science PS
- Physics PH
- Engineering EN

**E. Students seeking the B.S. degree must have an additional 9 credits chosen from Areas II and/or III.**

**F. Departmental major**

* Determined by student score on ACT exam. See page 24.

**Three credits may be in performance courses.**

*Literature—Courses in various departments concerned with the writings of specific authors, periods, styles, themes, or geographic areas.

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

### BACHELOR OF BUSINESS ADMINISTRATION DEGREE

**MINIMUM REQUIREMENTS (CREDITS)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. English Composition</td>
<td>3-6*</td>
</tr>
<tr>
<td>B. Area I Requirements</td>
<td>6</td>
</tr>
<tr>
<td>C. Area II Requirements</td>
<td>12</td>
</tr>
<tr>
<td>1. Economics</td>
<td>6</td>
</tr>
<tr>
<td>2. Area II credits other than in economics</td>
<td>6</td>
</tr>
<tr>
<td>D. Area III Requirements</td>
<td>11-12</td>
</tr>
<tr>
<td>1. Two-semester sequence in math</td>
<td>8</td>
</tr>
<tr>
<td>2. One semester physical or biological science</td>
<td>3-4</td>
</tr>
<tr>
<td>E. An additional 16 hours are required in disciplines other than those administered in the School of Business. These additional credits must include hours from at least two of the three areas listed below:</td>
<td></td>
</tr>
<tr>
<td>Area I</td>
<td></td>
</tr>
<tr>
<td>Humanities HU</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts TA</td>
<td></td>
</tr>
<tr>
<td>Art AR</td>
<td></td>
</tr>
<tr>
<td>Music MA, ME, MU</td>
<td></td>
</tr>
<tr>
<td>Philosophy PY</td>
<td></td>
</tr>
<tr>
<td>Foreign Language (102 or higher or one language)</td>
<td></td>
</tr>
<tr>
<td>Area II</td>
<td></td>
</tr>
<tr>
<td>Anthropology AN</td>
<td></td>
</tr>
<tr>
<td>Communication CM</td>
<td></td>
</tr>
<tr>
<td>Geography GG</td>
<td></td>
</tr>
<tr>
<td>History HY</td>
<td></td>
</tr>
<tr>
<td>Political Science PO</td>
<td></td>
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<tr>
<td>Psychology P</td>
<td></td>
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<tr>
<td>Sociology SO</td>
<td></td>
</tr>
<tr>
<td>Area III</td>
<td></td>
</tr>
<tr>
<td>Biological Sciences B, BT, Z</td>
<td></td>
</tr>
<tr>
<td>Mathematics M</td>
<td></td>
</tr>
<tr>
<td>Physical Sciences PS, PH, C, GO, EN</td>
<td></td>
</tr>
<tr>
<td>F. A major in Accounting, Business Education, Economics, Sciences, Management, Marketing, Real Estate, or Office Administration meeting all specific requirements for the major — see requirements in Part V.</td>
<td></td>
</tr>
</tbody>
</table>

* Determined by student score on ACT exam. See page 24.

### BACHELOR OF MUSIC DEGREE

**MINIMUM REQUIREMENTS (CREDITS)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. General University Requirements</td>
<td>3-6*</td>
</tr>
<tr>
<td>B. Area I Requirements</td>
<td>0</td>
</tr>
<tr>
<td>1. Literature</td>
<td>3</td>
</tr>
<tr>
<td>3. Three credits in a second field</td>
<td>3</td>
</tr>
<tr>
<td>3. Three credits in any Area I field</td>
<td>3</td>
</tr>
<tr>
<td>Area I is composed of the following fields:</td>
<td></td>
</tr>
<tr>
<td>Art AR</td>
<td></td>
</tr>
<tr>
<td>Humanities HU</td>
<td></td>
</tr>
<tr>
<td>Literature****</td>
<td></td>
</tr>
<tr>
<td>Music History***</td>
<td></td>
</tr>
<tr>
<td>Philosophy PY</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts TA</td>
<td></td>
</tr>
<tr>
<td>C. Area II Requirements</td>
<td>9</td>
</tr>
<tr>
<td>1. History</td>
<td>3</td>
</tr>
<tr>
<td>2. Three credits in a second field</td>
<td>3</td>
</tr>
<tr>
<td>3. Three credits in any Area II field</td>
<td>3</td>
</tr>
<tr>
<td>Area II is composed of the following fields:</td>
<td></td>
</tr>
<tr>
<td>Anthropology AN</td>
<td></td>
</tr>
<tr>
<td>Communication CM</td>
<td></td>
</tr>
<tr>
<td>Economics EC</td>
<td></td>
</tr>
<tr>
<td>Geography GG</td>
<td></td>
</tr>
<tr>
<td>History HY</td>
<td></td>
</tr>
<tr>
<td>Political Science PO</td>
<td></td>
</tr>
<tr>
<td>Psychology P</td>
<td></td>
</tr>
<tr>
<td>Sociology SO</td>
<td></td>
</tr>
<tr>
<td>D. Foreign Language and Area III Requirements</td>
<td>8</td>
</tr>
<tr>
<td>1. Performance and Theory-Composition Majors:</td>
<td></td>
</tr>
<tr>
<td>a. A year's sequence of a foreign language</td>
<td>8</td>
</tr>
<tr>
<td>2. Music Education Majors:</td>
<td>8</td>
</tr>
<tr>
<td>a. A year's sequence of a foreign language</td>
<td>8</td>
</tr>
<tr>
<td>b. A year's sequence chosen from:</td>
<td></td>
</tr>
<tr>
<td>Biological Sciences</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
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<tr>
<td>Physical Sciences</td>
<td></td>
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<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Any two of the following courses:</td>
<td></td>
</tr>
<tr>
<td>Concepts of Biology</td>
<td></td>
</tr>
<tr>
<td>Concepts of Chemistry</td>
<td></td>
</tr>
</tbody>
</table>
School of Arts and Sciences

G.E.D. Examinations.

A major in music with emphasis in Performance, Theory-Composition, or Music Education, meeting all specific requirements as defined in the Music Department section of the catalog.

* Determined by student score on ACT exam. See page 24.

** Literature—Courses in various departments concerned with the writings of specific authors, periods, styles, themes, or geographic areas.

*** A maximum of three credits of Music History will be allowed to count in Area I.

Note: Pre-Law Curriculum

Boise State University does not prescribe a pre-law curriculum; the student's plans should be based on his own interests and his own personal objectives in studying law. In general, the pre-law student should place emphasis not only on the acquiring of knowledge of the fundamental elements which define the nature and character of society but also on the development of methods of study, thought, and communication. Present-day law students have undergraduate degrees in political science, English, business, natural science, history, linguistics, communications, and a host of other disciplines.

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

Note: Associate of Arts Degree Program

Participation in this program is limited to students residing at the Idaho State Correctional Institution. 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
- Area I including Literature
- Area II including History
- Area III
- Major Requirements
- Electives

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

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

MAJORS AND DEGREES OFFERED

**SCHOOL OF ARTS AND SCIENCES**

**DEPARTMENT** | **PROGRAM MAJOR OPTIONS (IF ANY)** | **DEGREES**
--- | --- | ---
Art | Art, General | BA, BFA
Art | Art, Secondary Educ | BA, BFA, MA
Art | Advertising Design | BA, BFA
Art | Pre-Architectural Program | ---
Biology | Biology | BS

**SCHOOL OF BUSINESS**

**DEPARTMENT** | **PROGRAM MAJOR OPTIONS (IF ANY)** | **DEGREES**
--- | --- | ---
All Departments | Master of Bus Admin | MBA
Accounting & Data Processing | Accounting | BBA, BA, BS, MS
Information Sciences | Information Sciences | BBA, BA, BS
## ACADEMIC INFORMATION

### Business Educ & Office Admin
- Business Education BBA, BA, BS, MA
  - Basic Business
  - Distributive Educ
  - Shorthand
- Office Administration BBA, BA, BS
  - Office Systems AS
  - Word Processing
  - Secretarial

### Economics
- Economics BBA, BA, BS
- Economics, Social Sci, Sec Ed BA, BS

### Management & Finance
- Finance BBA, BA, BS
- General Business BBA, BA, BS
- Industrial Business BBA, BA, BS
- Production Management BBA, BA, BS
  - Behavioral
  - Quantitative
  - Aviation
  - Industrial Relations
- Real Estate BBA, BA, BS

### Marketing & Mid Mgmt
- Marketing BBA, BA, BS
- Mid-Management AS
  - Fashion Merchandising
  - Marketing

### SCHOOL OF EDUCATION

#### DEPARTMENT PROGRAM MAJOR DEGREES OPTIONS (IF ANY)

##### Health/Physical Education/Recreation
- Phys Educ, Secondary Educ BS
  - Areas of Specialty: Secondary Physical Educ
  - Athletic Training
  - Athletic Coaching
  - Elementary Physical Educ

##### Psychology
- Psychology BA, BS

##### Teacher Education/Library Science
- Elementary Education BA
  - Areas of Specialty: Driver Education Endors
  - Early Childhood Educ Certif
  - Library Science Endors
  - Special Education Certif
- Elem Educ-Bilingual/Multicultural BA
  - MA in Elementary Education MA
  - Content Enrichment
  - Reading
  - Special Education
  - Early Childhood
  - Curriculum and Instruction

### SCHOOL OF HEALTH SCIENCES

#### DEPARTMENT PROGRAM MAJOR DEGREES OPTIONS (IF ANY)

##### Allied Health Studies
- Health Science Studies BS
- Medical Technology BS
- Medical Office Assistant AS
- Medical Record Science AS
- Radiologic Technology AS, BS
- Respiratory Therapy AS

##### Community & Environmental Health
- Environmental Health BS

##### Nursing
- Nursing AS, BS

##### Preprofessional Studies
- Pre-medical & pre-dental BS
  - Biology
  - Chemistry

- Pre-Dental Hygiene
- Pre-Optometric
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary Medicine
- Studies BS
- Pre-Occupational Therapy

### AREA VOCATIONAL-TECHNICAL SCHOOL

#### DEPARTMENT PROGRAM MAJOR OPTIONS (IF ANY) DEGREES

##### Health Occupations
- Dental Assisting Certif
- Surgical Technology Certif
- Practical Nursing Certif

##### Heavy Technol
- Air Conditioning, Refrigeration and Heating Certif
- Mechanical Plant Maintenance Certif
- Machine Shop Diploma
- Electrical Lineman Certif
- Welding 9 month Certif
- Welding 2 year Diploma

##### Light Technologies
- Electronic-Mechanical Service Technician AAS
- Business Machine Technol AAS
- Pre-Technical Sequence
- Drafting Technology AAS
- Electronics AAS
- Wastewater Technology Certif

##### Mechanical Technol
- Auto Body Certif
- Automotive Mechanics Certif
- Heavy Duty Mechanics—Diesel Certif
- Parts Counterman Certif
- Small Engine Repair Certif

##### Service Occupations
- Child Care Studies
  - Day Care Assistant Certif
  - Day Care Teacher/Supervisor AAS
- Food Service Technology Certif
- Horticulture Service Technician AAS
- Fashion Merchandising
  - Mid-Management AS
  - Marketing Mid-Management AS
  - Office Occupations Certif

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

Boise State University can and will 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 students enroll in the class and a competent faculty member is available to teach the course.

### COURSE NUMBERING
Courses within the major code groups are numbered on the basis of the following:

- 000-099 Terminal credit and non-credit courses (including remedial, evening vocational, and adult education courses). These courses do not apply to degree programs.
- 100-199 Freshman level courses
- 200-299 Sophomore level courses
- 300-499 Upper division level courses
- 500-above Graduate level courses

Upper division level courses, numbered at the 300 or 400 level
may be given a g or G designation to carry graduate credit. The designations have the following significance.

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or school.
2. G courses carry graduate credit for students both in the department or school, and for other students as well.

Throughout the catalog where course descriptions are given a hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates that either course may be taken independently of the other.

UNIVERSITY-WIDE COURSE NUMBERS
UNDERGRADUATE

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

Independent study (188 and 496) must be arranged between student and teacher on an individual basis. The course description will not appear in other sections of the catalog. Individual conferences, workshop and special topic courses (294, 297, 494, 497) will be described in the "Class Schedule and Registration Information" brochure published each semester.

188 Honors Independent Study (1-3 credits). An independent study experience to provide a Honors Student study opportunities of a reading or project nature. Credits may not exceed three (3) per semester nor six (6) maximum in an academic year. Prerequisite: Approval of the Dean and Department Chairman upon recommendation of the faculty advisor.

293-493 Internship (Variable credits). The internship number is available to academic departments to provide an opportunity for supervised "field-work" that is specifically related to the student’s major field of study.

294-494 Conference or Workshop (0-4 credits). Conducted by outstanding leaders or qualified faculty in a particular field under the auspices of Boise State University.

297 Special Topics (1-4 credits).*

495 Independent Study (1-4 credits). Individual study of either a reading or project nature. Offered on demand. Student must make application well in advance of this special study experience. May be taken for a maximum of 8 credits. 6 credits in any one academic year. Prerequisite: consent of instructor and department chairman, upper division standing.

497 Special Topics (1-4 credits).* Prerequisite: advanced standing and consent of instructor and department chairman.

*A maximum of 12 credits of Special Topics, 297 or 497 will be allowed to apply toward core requirements: however an unlimited amount may apply toward graduation. Special Topics courses must be within departments specified in each core area to meet core requirements.

498 Seminar (1-4 credits).*

591 Practicum
592 Colloquium
593 Thesis
594 Extended Conference or Workshop (Graded Credit or No Credit)
595 Reading and Conference
596 Directed Research

ACADEMIC INFORMATION

Master's programs at Boise State University may include directed research credits, at the discretion of the graduate student's supervising committee or professor, through a limit of (9) semester hours, with no more than (6) credits in any one semester or session.

587 Special Topics
598 Seminar
599 Short Term Conference or Workshop (Graded Credit or No Credit)

Generally, the 599 number is used only for courses meeting 3 weeks or less, and 594 for courses meeting more than 3 weeks. The decision, however, is made in all cases by the department or school making the schedule.

INTERDISCIPLINARY COURSES

The following interdisciplinary courses are identified with more than one school or department.

HP 198, 298, 398, 498 Honors Seminar (1 credit). A seminar involving interdisciplinary lectures and discussion for Honors Students. Topics are selected by the students. Credit or no credit will be given rather than letter grade.

HP 100, 200, 300, 400 Summer Readings (1-3 credits). An opportunity and incentive for understanding ways of knowing. Since the humanities are involved away from campus and faculty. Students must select their area of interest, contact a faculty supervisor, and coordinate through the Honors Program Director concerning credit and requirements for the work. Credits are available to the end of 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 credit or no credit.

HP 492 Honors Colloquium (3 credits). Upper-division Honors students bring the backpaper of their own major to a multi-disciplinary forum. Letter grade given.

SC 189, 495 Student Government Independent Study (1-3 credits). Students who are currently serving in major student government offices may avail themselves of Independent Study in Student Government. This study will be coordinated by the President for Student Affairs and may be taken in any department of the college provided an instructor is willing to direct the study. Students who are eligible for this study are (1) the President, (2) Major Appointed Officers (Business Manager, Publicity Director, Administrative Assistant, Parliamentarian, and Personnel Officer), and (3) Senators. Credits may not exceed three in any one semester or six in any one academic year. A maximum of nine credits will be accepted towards graduation.

GS 301 History (3 credits). (Course description Part VIII of catalog).

IH-101: Humanities: A View of the Nature of Man, I (3 credits). Especially designed for non-Humanities majors, this team-taught class integrates information to provide views of human experience. Among the topics explored are different views of human nature, different ways of knowing, the nature of humanistic understanding, and the impact of experience on the individual. Prerequisite: Completion of or concurrent enrollment in E-101. (Fall Semester)

IH-102: Humanities: A View of the Nature of Man, II (3 credits). As a continuation of IH 101, this course continues to develop the understanding of human existence and its purpose. Emphasis is placed on human imagination, the role of imagination in our lives, and the role of imagination in our lives. Prerequisite: Completion of IH-101. (Fall Semester)

IH-111: Humanities: A View of the Nature of Man, III, "Consciousness and Human Imagination" (3 credits). This course will examine the human imagination as a necessary component of each person's consciousness of their lived experience. It will focus on human imagination and its role in our lives, private and public, livable, understandable, and worthwhile. This course will also examine the imagination's capacity to capture our lived experience for reflection in the formalized modes of imagination: science, philosophy, art, and literature. Students will examine inherent and relative values. Prerequisite: Completion of, or concurrent enrollment in E-101. (Spring Semester)

IH-112: Humanities: A View of the Nature of Man, IV, "Human Choices and the Future: (3 credits). 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 away from campus and faculty. Students will register during fall registration and will complete written and oral testing as required no later than October 15 in order to receive credit or no credit.

RELIGIOUS INTEREST COURSES

Since religious thought permeates nearly all disciplines of study, the University does not have a single department of religion. However, numerous departments within the University are examining the impact of religion as part of their academic quest for knowledge and understanding of the human condition. Courses offered at Boise State University that emphasize the place and impact of religion in the study of civilization are listed below. The courses are open to all students on campus.
In addition, various departments offer special topic courses which emphasize the religious aspects of civilization. Students are advised to read carefully the class schedule each semester to check on the availability of such courses.

<table>
<thead>
<tr>
<th>I. Systems of Thought</th>
<th>II. History</th>
<th>III. Literature</th>
<th>IV. Socio-Psychological Aspects of Religion</th>
<th>V. Primary Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY-231 Philosophy of Religion</td>
<td>HY-332 The Medieval Church</td>
<td>HY-310 The Reformation</td>
<td>GR-297 New Testament Greek</td>
<td></td>
</tr>
<tr>
<td>PY-245 Metaphysics</td>
<td></td>
<td>HY-331 Islamic Civilization</td>
<td>L-297 Latin</td>
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<tr>
<td>PY-247 Epistemology</td>
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<td>HY-497 Seminar: Early Christianity</td>
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<tr>
<td>PY-249 Ancient Philosophy</td>
<td></td>
<td>E-211 The Bible as Literature</td>
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<tr>
<td>PY-251 Medieval Philosophy</td>
<td></td>
<td>E-215 Far Eastern Literature</td>
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<td></td>
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<tr>
<td>PY-497 Thomistic Ethics</td>
<td></td>
<td>E-217 Mythology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Primary Sources

- GR-297 New Testament Greek
- L-297 Latin
STUDENT AFFAIRS

OFFICE OF THE VICE PRESIDENT FOR STUDENT AFFAIRS

The office of the Vice President for Student Affairs coordinates the activities of the University that provide direct service to the student. All services are considered supportive to the instructional program and are designed to provide direct assistance to students in the attainment of their immediate and long range educational goals.

The staff of the Vice President for Student Affairs administers a student services program encompassing student government, housing, organizations and activities, health, Student Union, counseling, financial aids, and career planning and placement, admissions, and registration.

OFFICE OF STUDENT ADVISORY AND SPECIAL SERVICES

The Dean of Student Advisory & Special Services office provides general, personal, and educational advising, counseling, and assistance to all students.

Advisory Services encompasses the development and guidance of supportive activities for individual groups of students in the areas of handicapped, disadvantaged, women's, and minority affairs. Assistance is also offered to international students, veterans and other special students.

Special Services include the coordination and supervision of the Office of Veterans Affairs (OVA), the Educational Talent Search satellite office (ETS), the University Tutorial and Referral program, publication of the BSU Student Handbook, the Servicemens Opportunity College program (SOC), and the Campus Locator File.

ALL COMPLETE WITHDRAWALS FROM THE UNIVERSITY as well as student petitions, special requests and referrals are initiated and cleared through this office. (See page 22 of this bulletin).

VETERANS AFFAIRS

The Office of Veterans Affairs provides services and assistance to all student and non-student veterans living within the University's normal service area. The Veterans Coordinator and his staff are responsible for an Outreach program of informing and advising all veterans of their eligibility for educational and other G.I. benefits. The office is responsible for establishing remedial, tutorial, and motivational education programs and for referring veterans to other campus and/or community agencies for counseling and special assistance.

TUTORIAL ASSISTANCE

Student Advisory & Special Services provides tutorial services for many lower division and some upper division courses. Tutors are trained to work with individuals and small groups of students in need of additional help outside of the classroom. There are four "Drop-in-Center" areas located on campus for tutoring Mathematics, English, Foreign Languages, and Science courses. All other subjects tutored on a one-to-one basis would use the same facilities. All tutoring is free to B.S.U. students provided they use the certified tutor paid by Student Advisory & Special Services. A "Referral System" has also been established whereby the student can arrange their own tutorial time schedule and pay the tutor out of their own funds.

EDUCATIONAL TALENT SEARCH

A satellite office of the Educational Talent Search program has been established in Student Advisory & Special Services to aid low income youth (ages 14-27) in gaining entrance to the post-secondary school of their choice. Assistance is given in completing the necessary admissions-application forms and securing financial assistance.
STUDENT UNION

The Student Union Building is designed to offer students, faculty, and the community a wide variety of facilities for social, recreational, study, dining, and meeting needs. Services available on the first floor of the Union are the snack bar, information center, which handles ticket sales to Boise State activities, Scheduling Office, a full-service Bookstore, and Barbershop. Also located on the first floor is the games area which has a six lane bowling alley, pool tables, coin machines, a quiet games area, rental equipment area, and a special outdoor recreation program.

Two spacious student lounges are available, one located on the first floor and one on the second floor. Both are equipped with fireplaces and provide a view of the entire campus. On the second floor of the Union are numerous meeting rooms and banquet facilities, a T.V. lounge, the Main Dining Room for boarding Governors, which consists of ten student members, three faculty members, six administrative members, and an Alumni representative. The Board recommends policy to the President regarding building usage and general programs. A full-time Director and staff are employed to coordinate the Student Union Building and coordinate the student activities and organizations program.

YOUR CAMPUS STORE

Located on the first floor of the Student Union Building, the Campus Store supplies all textbooks, study aids, general school supplies and other necessary campus merchandise. Students may also buy paperbacks, magazines, stationery, clothes, novelty items, candy, art supplies, and a variety of other commercial items. The BSU Campus Store also provides a check cashing service, key duplicating, rubber stamp making, xerox copying, and photo service for all members of the University community.

The management advises students to buy the textbooks required for their classes within 20 days after registration because excess books have to be returned to the publishers within a specified period of time after the beginning of classes. If students wait too long to buy their books they may find there are no textbooks available at the store.

The store has an excellent security system and shoplifters are prosecuted.

The Campus Store is open Monday through Friday from 8 a.m. to 5 p.m. with hours extended during the beginning of each semester.

HEALTH SERVICE

The Student Health Service assists the academic goals of students by providing health education, preventive medicine, and therapeutic care. We attempt to help the student achieve optimal health with quality medical care at a reasonable cost.

All full-time students should be familiar with the location of the Health Service, 2121 University Drive. It is directly across from the Campus School. The health fee entitles the student to receive medical care and consultation during regular clinic hours. Additional community services are utilized when necessary. Some services deemed to be the responsibility of the student, and not included in the health plan, are dental care, eye glasses, allergy tests, routine physical examinations, and obstetric delivery.

The Student Health Service exists for full-time students only. Inquiries regarding services rendered can be made directly to the Student Health Service, Boise State University, 385-1459.

COUNSELING AND TESTING CENTER

The Counseling and Testing Center is designed to help BSU students who have personal, education, vocational and social problems. Professional counselors work with the student in a setting that allows confidential discussion of the student's concerns. This service is based on the premise that many normal individuals have, at times, problems they cannot resolve alone. The student may concentrate on a specific problem or he may work on his general adjustment to the academic life. Psychological and occupational tests may be used for self-evaluation and information.

Any halftime (6 credits or more) or full time student is eligible for counseling or testing. Appointments may be made by phone—extension 1601, or in person at the Counseling and Testing Center, sixth floor, Education Building.

ALUMNI AFFAIRS OFFICE

The Alumni Office is located on the second floor of the Student Union Building. The function of the office is to coordinate activities of the Boise State University Alumni Association, a voluntary organization incorporated in 1967. Membership includes all individuals who have completed two semesters or more and entitles them to receive alumni news publications, placement services, use of the Student Union, Library and swimming pool facilities. The objectives and goals of the association are to maintain contact with graduates and former students and to promote their interest in and support of the University. The office publishes a newsletter and periodical mailings keep the alumni informed of campus activities. All members are urged to keep the Alumni Office informed of changes of address, employment status, marriages, births, and other information of interest to fellow class members. Students and alumni are welcome to visit at any time during office hours.

SORORITIES AND FRATERNITIES

Four national sororities and three national fraternities are actively involved in promoting the very best for you on the Boise State University campus. Membership offers opportunities for scholarship development, social activities, personal growth, and leadership skills.

Membership is open to all full-time students. The average cost for four years is less than 5% of a student's total college educational expense.

"Rush" is the term that fraternities and sororities use to describe the process of choosing new members. Although many rush activities take place before school starts, fraternities and sororities do actively seek new members throughout the school year.

If you plan to attend fraternity or sorority rush before school starts and are uncertain about fall permanent housing, please reserve a room in the dormitory as you will be allowed to cancel your dormitory contract during the first 2 weeks of the fall semester, if you chose to live in the fraternity or sorority house.

As a general rule, it is not necessary to live in the fraternity or sorority house to belong to the organization.

All fraternity's and sorority's chapter houses are located within a mile radius of campus. Room rates are approximate to those of university owned residence halls. Extra costs include initial affiliation expenses, social fees, and in some instances, building fund charges.

BSU National Sororities:
- Alpha Chi Omega
- Alpha Omicron Pi
- Delta Delta Delta
- Gamma Phi Beta

BSU National Fraternities:
- Kappa Sigma
- Sigma Phi Epsilon
- Tau Kappa Epsilon

For additional information on sororities or fraternities, please contact the Student Activities Office, Boise State University, 385-1223.

CAREER AND FINANCIAL SERVICES

Career and Financial Services provides a program of advising and assisting students regarding financing their education, determining what they want to do when they graduate, and obtaining career employment upon graduation. The office is located in Room 117, Administration Building.
I. Career Services

Career and Financial Services provides career planning and placement assistance to students and alumni. This equal opportunity service includes:

1) Career Planning and Information.

Professional staff are available to provide information and assistance regarding career choice and placement opportunities. Career and Financial Services maintains a career resource center in Room 124, Administration Building, containing a growing library of career information, recruiting literature, the College Placement Annual, and other career references.

2) Credential Service

By establishing a placement file with Career and Financial Services, students may assemble a permanent file containing vocationally significant data at a time when instructors and administrators remember them best. Once a file is established, copies may be sent to prospective employers. Students are encouraged to establish credential files early in the year they plan to graduate.

3) Placement Assistance

Students and alumni are also welcome to interview with the employers recruiting on campus. Each year, representatives from business, government and educational institutions arrange for interviews in the Career and Financial Services office. Many other employers list various positions through the office. Numerous directories are available to help identify possible employers.

II. Financial Services

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

PURPOSE AND POLICY

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 only for filling the gap between the student's potential resources and yearly educational expenses. The primary responsibility for meeting educational costs rests with the individual student and/or parents.

APPLYING FOR AID

If a student is a U.S. citizen or permanent resident, enrolled on at least a half-time basis (6 semester credit hours) at Boise State University and shows financial need, the student is eligible for financial aid.

APPLICATION DEADLINES

March 1, 1980 — Scholarships
April 1, 1980 — Need-Based Aid

THESE DEADLINES ARE EXTREMELY CRITICAL. If all documents required have not been received by the deadlines indicated, consideration for aid will be on a first-come, first-served basis only in the event there are remaining funds.

Eligibility to receive financial aid is dependent upon being accepted by the University into an academic or Vocational-Technical program and completion of all requirements for registration. The following forms must also be submitted.

1. FINANCIAL AID FORM (FAF) — submit to College Scholarship Service (CSS) in Berkeley, California, along with a processing fee — allow 3-4 weeks for processing. If the individual is applying for Basic Grant only, no fee is charged.

2. IDAHO APPLICATION FOR FINANCIAL AID (IAFA) — submit to Career and Financial Services.

3. (Optional) BSU APPLICATION FOR SCHOLARSHIPS — submit to Career and Financial Services. This form is necessary to apply for most scholarships offered through the University "Boise State Scholarships" brochure lists those scholarships offered and is available from Career and Financial Services.

4. Students who have attended another college or university must submit a financial aid transcript from all schools attended.

IDENTIFICATION OF SELF-SUPPORTING (INDEPENDENT) STUDENT

Under Federal regulations a student is eligible for consideration as an "independent student" for Federal student financial aid who:

1) has not and will not be claimed as an exemption for Federal income tax purposes by any person except his or her spouse for the calendar year(s) in which aid is received and the calendar year prior to the academic year for aid is requested.

2) Has not received and will not receive financial assistance of more than $750 for the period listed in (1) above.

3) Has not lived or will not live for more than six weeks in the home of a parent for the above periods.

RESPONSIBILITY FOR VALID DATA. Parents, student applicants, and spouses should be prepared to certify that to the best of their knowledge the information contained in the applications is correct and complete. The University reserves the right to request copies of U.S. or State Income Tax Returns.

WARNING. ANY PERSON WHO KNOWINGLY MAKES A FALSE STATEMENT OR MISREPRESENTATION SHALL BE SUBJECT TO A FINE OR TO IMPRISONMENT OR TO BOTH UNDER PROVISIONS OF THE UNITED STATES CRIMINAL CODE.

FINANCIAL AID PROGRAMS

Students filing the FAF and IAFA will be considered for:

- BASIC EDUCATIONAL OPPORTUNITY GRANT
- SUPPLEMENTARY EDUCATIONAL OPPORTUNITY GRANT
- STATE STUDENT INCENTIVE GRANT
- NURSING SCHOLARSHIP (a Federal Grant)
- NURSING STUDENT LOAN
- NATIONAL DIRECT STUDENT LOAN
- WAIVERS OF NON-RESIDENT TUITION
- COLLEGE WORK STUDY EMPLOYMENT

Special applications are required for:

- SCHOLARSHIPS
  - BUREAU OF INDIAN AFFAIRS
  - FEDERALLY INSURED LOANS
  - LAW ENFORCEMENT EDUCATION PROGRAM (LEEP)
  - BSU LOANS (short-term or emergency)

*A STUDENT MUST REAPPLY FOR FINANCIAL AID EACH YEAR. Detailed descriptions of the programs are available from Career and Financial Services.

LOSS OF FINANCIAL AID

Two successive academic probations (unsatisfactory progress) will automatically result in a loss of financial aid.

SATISFACTORY PROGRESS POLICY

After being placed on academic probation, if a student continues on academic probation at the end of his/her next semester of attendance, he/she will be disqualified for further financial aid. In order to be considered for reinstatement of financial aid, disqualified students must (1) complete a minimum of 8 credit hours in one semester with at least a 2.00 GPA and (2) must not be on "continued probation" or "disqualified" according to the Academic Probation and Disqualification Policy at BSU at the end of that semester. Reinstatement for enrollment purposes as a result of favorable action of a student's petition by an academic Dean does NOT CONSTITUTE REINSTATEMENT OF FINANCIAL AID.

When a student receives a Basic Grant he/she is expected to complete a designated number of credits (6-8 for half-time; 9-11 for three-fourths time and 12 for full-time) in order to receive a designated amount of money. If credits are dropped or withdrawal from the University occurs, the student is liable for pro-rated repayment of the Grant.

SUMMER SESSIONS

The University has financial aid available on a restricted basis during the summer. Priority for summer funds is given to continuing students. Students in need of financial aid who are planning to attend summer sessions should consult Career and Financial Ser-
STUDENT AFFAIRS

vices advisors when summer plans are being made and summer class schedules are published. The FAF and IAFA are required.

OTHER PART-TIME EMPLOYMENT

Off campus part-time employment services are available for students and their spouses. A great variety of types of jobs and hours to work are listed each year. Applicants must meet the qualifications established by the various area employers who list these positions. This referral service is located in Room 124, Administration.

GRADUATE STUDENTS

Students who have earned a baccalaureate degree may be aided with National Direct Student Loan funds, College Work-Study, or scholarships. Information regarding graduate assistantships or the Whittenberger Fellowships should be requested from the Dean of the Graduate School.

INTERNATIONAL STUDENTS

Foreign students, in order to be granted student visas, must demonstrate that they have resources for the entire period of university attendance. Therefore, they are not eligible for University financial assistance except under unusual circumstances. In these special cases they may be considered for part-time, on-campus employment, if local funds are available, but only after they have satisfactorily completed at least one academic semester. They may also be eligible to apply for a waiver of non-resident tuition after one year. Emergency loan funds are available upon recommendation of the Foreign Student Advisor and approval by Career and Financial Services. Repayment to the University within a specified time is mandatory. Off-campus employment requires recommendation of the Foreign Student Advisor and explicit permission of the U.S. Immigration Service. In all cases, the process for any assistance must be initiated with the Foreign Student Advisor.

IDAHO RESIDENT HIGH SCHOOL SENIORS

UNIVERSITY CLUB AWARDS—A limited number of University Club Awards are available for incoming Freshmen. These awards are given annually in recognition of academic achievement, leadership, performing arts, or special talent. Applicants should contact the Director of University Admissions Counseling or Office of Career and Financial Services, Boise State University, 1910 University Drive, Boise, ID 83725.

STATE OF IDAHO SCHOLARSHIP AWARDS—Idaho resident high school seniors should obtain the State of Idaho Scholarship Program application from their counselor or Office of the State Board of Education, 650 West State Street, Boise, ID 83702.

OTHER SOURCES OF AID

FEDERAL INSURED STUDENT LOAN (7 percent Bank Loans)

The Federally Insured Student Loan program provides guaranteed loans made by authorized lenders to students. Loans are made at the discretion of the lender. Career and Financial Services will provide appropriate forms and advise applicants which lending institutions in the area are participating. Portions of loan forms must then be completed by the Career and Financial Services Office.

FOR DETAILED INFORMATION ON THE VARIOUS FINANCIAL AID PROGRAMS AND APPLICATION PROCEDURES CONTACT STUDENT FINANCIAL AID PROGRAMS, CAREER AND FINANCIAL SERVICES, BOISE STATE UNIVERSITY, BOISE, ID 83725.

STUDENT HOUSING

STUDENT RESIDENTIAL LIFE

The Office of Student Residential Life is responsible for all operations and programs related to the residence halls, family housing, and off-campus living concerns. The Office implements and initiates the University’s housing policies and procedures. This Office selects residence hall staff and maintains an ongoing training program. Advising is provided for the Residence Hall Association, as well as for Inter-Hall Judicial Boards. The Office also serves in a counseling capacity for individuals and groups.

The Office supervises family housing; plans for redecorating, maintaining, and refurbishing of all University housing facilities; promotes the listing of public housing with the University for student use; supervises the records kept of available and occupied residence hall facilities and community housing.

UNIVERSITY RESIDENCE HALLS

Boise State currently maintains four residence halls with accommodations for approximately 760 students. They contribute to and encourage participation in the total college experience. The women’s residence halls (the Towers and Driscoll) will accommodate approximately 378 students while the men’s residence hall (Chaffee) is designed to house 300 students. The coed hall (Morrison) provides living facilities for 78 men and women.

The Towers, located on the west end of the campus, has seven stories and accommodates 300 students. It is carpeted and air-conditioned, with study lounges and laundry facilities. There are four students in each room with individual room bathroom facilities.

Driscoll and Morrison Halls, located on the Boise River, are virtually identical, with 48 single and 15 double rooms arranged into ten suites from six to eight students.

Morrison Hall is coed, with the men and women living in opposite wings separated by lounges and laundry facilities. In order to be eligible for Morrison Hall students must have a 2.00 GPA.

Chaffee Hall is divided into two separate three-story units of approximately 50 men to a floor, living in 24 double rooms and two single rooms per floor. Both units are connected by enclosed corridors to a central lounge. Each floor of Chaffee Hall is in a sense a separate living unit with a small informal lounge, study room, and laundry facilities.

Applications for room reservations should be made as early as possible. 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 accompanied by an application and security deposit of $45.00.

APPLICATION PROCEDURE

All inquiries and letters requesting information and application-contracts should be sent directly to:

Student Residential Life
Boise State University
1910 University Drive
Boise, Idaho 83725

Applications for residence halls will be processed as soon as the following procedures have been completed:

1. A completed application-contract is sent to the Boise State University Office of Student Residential Life with:
   a. A $45.00 application fee and security deposit. Check or money orders should be made out to Boise State University. This deposit is not to be construed as a partial payment for the cost of room and board. It is held (after assignment) as a damage deposit and as assurance of compliance with the full terms of the contract. It is refundable when the student permanently moves out of the residence hall as specified in Residence Hall Contract Conditions. Application fee and security deposits are forfeited if cancellation of a room assignment is not received prior to August 1 for the Fall Semester and January 2 for the Spring Semester.
   b. Signature of parent or guardian for students under 18.

2. If space is available, after the items above are processed a tentative room assignment is made and the student notified.

3. This room assignment is officially confirmed after the student contracts with the Office of Student Residential Life to pay or make arrangements for room and board fees. The student will be advised of his specific room number when he moves into his hall.

ACCEPTANCE AND PROCESSING OF THE CONTRACT BY THE STUDENT RESIDENTIAL LIFE OFFICE DOES NOT CONSTITUTE APPROVAL OF ACADEMIC ADMISSION TO THE
UNIVERSITY: LIKewise APPLICATION FOR ADMISSION IS NOT AN APPLICATION FOR HOUSING.

NOTE: Residence hall expense and meal option plans are presented in Part 1 of this catalog.

MEAL SERVICE CALENDAR (for the Year 1980-81)

Fall Semester — August 27, 1980, through December 19, 1980.

Between Semesters — December 20, 1980, through January 13, 1981. Meal service will be suspended and the Snack Bar will be closed.


All residence halls normally are closed during the above listed vacations.

Students staying in their rooms at the residence halls between semesters and during Spring vacations will be charged $2.75 per day.

CANCELLATION OF THE CONTRACT PRIOR TO ASSIGNMENT: AND AFTER ASSIGNMENT PRIOR TO AUGUST 1:

The contract may be cancelled by the student at any time prior to room assignment, or after room assignment prior to August 1, with a refund of the application fee/security deposit less a $15.00 processing fee.

CANCELLATION AFTER ASSIGNMENT AFTER AUGUST 1 (PRIOR TO OCCUPANCY):

If a student has been assigned, but cancels the contract after August 1 (prior to occupancy), the full application fee/security deposit will be forfeited.

FAILURE TO TAKE OCCUPANCY AFTER ASSIGNMENT:

Any student who is assigned but fails to officially check into the hall by 12:00 midnight of the last day of regular registration will forfeit the full amount of the application fee/security deposit, and their room will be reassigned. Therefore, it is important that any student who plans on taking occupancy after this date notify, in writing, the Office of Student Residential Life in advance. This notification should include the reason for the student’s date of late arrival and the exact date the student plans to move into the residence hall.

HALL AND ROOM ASSIGNMENTS

All students must have a completed and signed application-contract file with the Director of Student Residential Life before a hall and room assignment can be made. Halls and rooms are assigned on an adjusted priority system (returning residence hall students having housing priority), date of application and deposit, and ACCEPTANCE BY THE UNIVERSITY. If a specific person is desired as a roommate, the two persons concerned should be certain that their applications are filed about the same date. If no one is requested as a roommate, it is then assumed that the applicant will accept the person assigned. The preferences indicated by the student on the application-contract card regarding the desired hall, room size, and so forth are not binding but will be honored whenever possible in making assignments.

SEMESTER AND SPRING BREAKS

The residence halls are officially closed during semester and Spring Breaks. Any student desiring to remain in the halls for all of either of these periods or a portion thereof will be required to pay a per day charge.

UNCLAIMED ROOM RESERVATIONS

All room reservations unclaimed by midnight of the last day of regular registration for either semester will be cancelled, and the $45.00 application fee and security deposit forfeited. If the holder of the reservation will be late in arriving, he/she must notify the Director of Student Residential Life prior to the above date by telegram, telephone, or letter.

DAMAGED PERSONAL PROPERTY

Students who reside in residence halls are responsible for providing insurance against loss or damage to their own personal property. The University does not assume responsibility for or carry insurance against the loss or damage of individually owned personal property.

FOOD SERVICE

1. Costs are subject to change without notice. There is no refund or “carry-over” of meals not eaten in the dining room. The dining room will be closed during Semester Break, and Spring Vacation.

2. Meal option changes can be made through the first week of the semester only.

RESIDENCE HALL ACCEPTANCE APPLICATION TO THE UNIVERSITY DOES NOT CONSTITUTE APPLICATION FOR HOUSING.

ACCEPTANCE AND PROCESSING OF THIS CONTRACT BY THE DIRECTOR OF STUDENT RESIDENTIAL LIFE DOES NOT CONSTITUTE APPROVAL OF ACADEMIC ADMISSION. TO THE UNIVERSITY AND APPLICATION FOR ADMISSION IS NOT AN APPLICATION FOR HOUSING. Such approval is granted only by the Director of Admissions.

The University reserves the right to refuse any application for accommodations in University residence halls upon return of the application fee and security deposit.

EQUAL AVAILABILITY

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

Lists of available housing are on file in the Office of Student Residential Life. The University does not inspect the accommodations; 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 residence halls and other housing facilities are made without reference to race, color, national origin, or handicap, and the University expects privately owned accommodations offered through its listing service to be operated in the same manner. Listings are accepted with this understanding.

SORORITY AND FRATERNITY HOUSING

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

Each fraternity and sorority operates its own house, and members take charge of their own maintenance, financial management, meal planning, and governing and organizing of special events or programs. All houses are located within a one mile radius of the campus and room rates are approximate to those of the dormitories.

For further information, contact the Student Activities Office, Boise State University, 365-1223.

FAMILY HOUSING

There are 170 units available for full-time (8 or more credit hours) family students, all within walking distance of the campus. Rates for the University Courts apartments are $110.00 for small one-bedroom, $146.00 for large one-bedroom, $169.00 for two-bedroom, and $194.00 for three-bedroom apartments. These apartments are carpeted and furnished with stoves and refrigerators. Coin-operated washing machines and dryers are located on the site. All utilities except electricity are furnished.

University Heights and University Manor were opened for occupancy during the summer of 1973 and consist of one-bedroom apartments for $169.00 per month and two-bedroom apartments for $197.00 per month. These apartments are fully carpeted and draped but are otherwise unfurnished, except for electric stoves and refrigerators. All utilities are furnished, including laundry facilities.
Applications for Family Housing may be obtained in the Office of Student Residential Life, Room 110, Administration Building.

APPLICATION PROCEDURE FOR FAMILY HOUSING

Application for Family Housing will be processed as soon as the following procedures have been completed:

1. Student must be:
   a. any married student currently enrolled as full-time and/or fully matriculated at Boise State University.
   b. any prospective married student currently enrolled as full-time and/or fully matriculated at Boise State University.
   c. any single parent with a child(ren) currently enrolled as full-time and/or fully matriculated at Boise State University.

2. A completed application-contract is sent to Boise State University, Office of Student Residential Life with a $50.00 application fee and security deposit. Checks and/or money orders should be made out to Boise State University. This deposit is not to be construed as partial payment for the rent for the apartment. It is held (after assignment) as a damage deposit and is refundable when the student permanently moves out of the apartment. The total security deposit and application fee ($100.00) is forfeited if 30 days notice is not given before tenant moves out.

   The student comes to the Office of Student Residential Life when their apartment is ready for occupancy, signs the lease, pays the balance of the application fee and security deposit ($50.00) which brings the total deposit and fee to $100.00, plus pays a month’s rent and receives confirmation to move into the apartment.

   It is the responsibility of the student to notify the Office of Student Residential Life each semester if they still desire Family Housing. If the Office of Student Residential Life does not hear from the student each semester, the student's name will be removed from the waiting list.
PART IV

SCHOOL OF ARTS & SCIENCE

Dean: William J. Keppler, Ph.D.
Associate Dean: Rolando E. Bonachea, Ph.D.
Associate Dean: Margaret Peek, Ph.D.

PHILOSOPHY

The philosophy of the School is to provide students with quality academic programs in the Arts, Humanities, Sciences, and Social Sciences in addition to establishing innovative curricula and needed programs to meet the constantly changing demands of a highly technological and urban society.

OBJECTIVES

1. To offer programs of study leading to a baccalaureate degree in the Arts — Advertising Design, Art, Communication, English, History, Music, Political Science, Social Science, Social Work, Sociology, Theater Arts, and in the Sciences — Biology, Chemistry, Construction Management (with the School of Business), Earth Science, Geology, Mathematics, Physics. Degrees available in the above areas, including the Secondary Education Options offered by all departments, include the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts (in Art, Art Education, and Advertising Design), Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition), and Master of Arts in Secondary Education with majors in various departments. (See School of Education).
2. To offer undergraduate programs in Engineering, Forestry, and Wildlife Management.
3. To offer elective and service courses for students majoring in other schools.

ACTIVITIES

THE COLD-DRILL

The Department of English, in addition to offering a chance for students to improve their creative, literary skills by studying under producing authors in classes aimed to increase the student’s critical and creative abilities, publishes each year a National Prize-winning magazine designed to display the best efforts of both the faculty and student body of Boise State University.

WESTERN WRITERS SERIES

The Boise State University Western Writers Series is publishing booklets introducing students and teachers to the character of the work of western American writers. Written by scholars from various colleges and universities, each pamphlet offers a brief account of an author’s life, salient features of his works (stressing their regional aspects) and a bibliography listing valuable primary and secondary sources. This series provides the first real attempt to make important regional writers known to the country at large.

PERFORMANCES, EXHIBITIONS, WORKSHOPS

Membership in the various groups and organizations engaged in extracurricular activities is available to all students who qualify. These groups offer opportunities for growth and participation beyond curricular requirements. Students may participate in art exhibits in the Liberal Arts Building, Library, and Student Union gallery areas; extensive intramural and inter-collegiate offerings
of the Department of Communication including Debate, Reader's Theatre; and productions of plays from both the classical and modern repertoires in the University's unique Subal theatre and Special Events Center; and through the medium of student recitals, organizations, and ensembles of the Department of Music including Band, Orchestra, Choir, and Musical Theatre and Opera. Students may also join in "American Historical Tours" presented by the college each year, as well as science fairs, environmental workshops, etc.

DEPARTMENT OF ART

Chairman and Professor: Dr. Louis A. Peck; Professors: Huff, Killmaster, Kober, Skov, Takehara; Associate Professors: Douglas, Heap, Ochi, Oravez, Roberts, Rusell, Watia; Assistant Professors: Benson, Blankenship, Copeland, Culley, Proctor, Taye, Taylor; Instructor: Hoopes.

ART MAJOR

Lower Division — All Degrees
(Suggested Program)

I. General Art - Bachelor of Arts Program

1. General University and Basic Core Requirements

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ART MAJOR

Lower Division — All Degrees
(Suggested Program)

1. General Art - Bachelor of Arts Program

1. General University and Basic Core Requirements
b) Major Emphasis
A total of 20** credit hours in any art field will constitute the major requirements and a total of 14 credit hours in a second art area will constitute the minor emphasis.

3. Electives
31

II. Art Education — Bachelor of Fine Arts

1. General University and Core Requirements
2. Art Major Requirements

Painting
Drawing
Art History
Watercolor
Design
Printmaking
Sculpture
Ceramics
Crafts
Lettering
Senior Seminar

2. a) Art Major Requirements

1. General University and Core Requirements
2. Art Major Requirements

Painting
Drawing
Art History
Watercolor
Design
Printmaking
Sculpture
Ceramics
Crafts
Lettering

3. Education Requirements for Qualification Toward State Certification

Audio-Visual Aids (Optional)

Foundations of Education.

Secondary School Methods.

Educational Psychology.


Elementary School Art Methods.

Secondary School Teaching

3-19

4. Electives
27-25

II. Art/Advertising Design — Bachelor of Fine Arts Degree

Advertising Design Emphasis

1. General University and Core Requirements
2. Art Major Requirements

Advertising Design.

Painting
Drawing
Watercolor
Design
Sculpture, Ceramics, Art Metals or Weaving
Lettering/lettering and Layout
Art History
Creative Photography
Printmaking
Advertising Illustration
Senior Seminar

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

3. Education Requirements for Qualification Toward State Certification

Audio-Visual Aids (Optional)

Foundations of Education.

Secondary School Methods.

Educational Psychology.


Elementary School Art Methods.

Secondary School Teaching

3-19

4. Electives
27-25

III. Art/Advertising Design — Bachelor of Fine Arts Degree

Advertising Design Emphasis

1. General University and Core Requirements
2. Art Major Requirements

Advertising Design.

Painting
Drawing
Watercolor
Design
Sculpture, Ceramics, Art Metals or Weaving
Lettering/lettering and Layout
Art History
Creative Photography
Printmaking
Advertising Illustration
Senior Seminar

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

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Audio-Visual Aids (Optional)

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Educational Psychology.


Elementary School Art Methods.

Secondary School Teaching

3-19

4. Electives
27-25

* A minimum of 49 credit hours of a total 128 must be Upper Division.

** A total of 6 credits, 2 of which is drawing, painting, and design, may be applied to the 20 hour major requirement in the areas of watercolor, ceramics, sculpture, printmaking, crafts, and photography.

PRE-ARCHITECTURAL PROGRAM

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

Art Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit(s)</th>
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<tbody>
<tr>
<td>AR 103</td>
<td>Introduction to Art</td>
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<tr>
<td>AR 105-106</td>
<td>Basic Design</td>
<td>6</td>
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<tr>
<td>AR 111-112</td>
<td>Drawing</td>
<td>4</td>
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<tr>
<td>AR 297</td>
<td>Spec. Topics: Design &amp; The Creative Process</td>
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SCHOOL OF ARTS & SCIENCE

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<tr>
<td>AR 131</td>
<td>Interior Decorating</td>
<td>2</td>
</tr>
<tr>
<td>AR 297</td>
<td>Spec. Topics: Architectural Graphic</td>
<td>2</td>
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<tr>
<td>AR 297</td>
<td>Spec. Topics: Basic Architectural</td>
<td>2</td>
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<tr>
<td>AR 297</td>
<td>Spec. Topics: Materials and Methods</td>
<td>3</td>
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<td>AR 217</td>
<td>Watercolor</td>
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Engineering Courses

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<tr>
<td>EN 101</td>
<td>Technical Drawing</td>
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<tr>
<td>EN 104</td>
<td>Digital Computer Program</td>
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English Courses

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<tr>
<td>E101-102</td>
<td>English Composition</td>
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Math Courses

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<tbody>
<tr>
<td>M-111</td>
<td>Algebra &amp; Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>M-112</td>
<td>Calculus and Analytical Geometry</td>
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Physics Courses

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<tbody>
<tr>
<td>P-101-102</td>
<td>General Physics</td>
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</tbody>
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Physical Education Requirements may be necessary.

COURSE OFFERINGS

AR ART

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

LOWER DIVISION

105 Basic Drawing and Painting for Non-Art Majors (2 credits). A 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. Four studio hours per week. Either semester.

106 Survey of Western Art (3 credits). A historical survey of painting, sculpture, and architecture from Prehistoric art through the Middle Ages. Fall semester.

107 Survey of Western Art II (3 credits). A historical survey of painting, sculpture and architecture from the Renaissance to the present. Spring semester.

108 Introduction to Art (3 credits). A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms. Either semester.

109 Basic Design (3 credits). A two or three dimensional theoretical and applied study of the basic design elements underlying all art areas. Two lecture hours and two studio hours per week. Each semester.

110 Basic Design (3 credits). A continued exploration of either two or three-dimensional design elements. Emphasis on the theoretical and applied study of the structural organization and basic elements underlying all art areas. Two lecture hours per week. Advise to take AR 105 prior to AR 106. Either semester.

111 Drawing (2 credits). A study of lettering techniques and various alphabetical forms, emphasis upon modern styles, spacing and layout. Four studio hours per week. Either semester.

112 Drawing (2 credits). A further study of lettering techniques and usage in advertising design, for advertising design majors. Four studio hours per week. Either semester.

113 Drawing (2 credits). A continuation of AR 111 with emphasis on more advanced drawing problems. Composition, imaginative, or semi-abstract work may be done, utilizing a variety of subject matter including some figure drawing. Four studio hours per week. Prerequisite: AR 111. Either semester.

114 Painting (2 credits). A 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. Four studio hours per week. Either semester.


120 Landscape Painting V (3 credits). A study of landscape painting in oil, watercolor, and related media. Field trips. Six studio hours per week. Either semester.

121 Landscape Painting VI (3 credits). A study of landscape painting in oil, watercolor, and related media. Field trips. Six studio hours per week. Either semester.


123 Crafts (2 credits). A course in the design and construction of crafts as an expression of craftsmanship and originality. 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 stitching, 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. Four studio hours per week. Either semester.
131 Interior Decoration (2 credits). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, texture, fabric, carpet, and furniture. Two hours lecture, one-half-hour demonstration per week. Either semester.

203 Advertising Design (2 credits). Special assignments in various techniques employed in advertising and commercial art. Problems in layout, typography, and reproduction processes will be emphasized. Four studio hours per week. Advisable to take AR 105, AR 106, AR 107 and AR 108 prior to AR 203. Fall semester.

204 Advertising Design (2 credits). Advanced work in various techniques employed in advertising and commercial art. Four studio hours per week. Advisable to take AR 203 prior to AR 204. Spring semester.

209 Introduction to Printmaking (2 credits). A course designed to acquaint the student with methods of reproducing creative work in woodcut, lithography, and intaglio. Advisable to have some experience in drawing and design. Four studio hours per week. Each semester.

211 Anatomy (2 credits). A structural and aesthetic approach to drawing the nude, emphasizing bone, muscle, and surface anatomy of the figure. Four studio hours per week. Fall semester.

212 Life Drawing (2 credits). Further study from the model with increased emphasis on anatomy, expressive drawing, and composition. Four studio hours per week. Model fee. Prerequisites: AR 111 and AR 112. Either semester.

215 Painting (2 credits). More advanced painting problems in realism and abstraction, with some independent work. Oil, acrylic or other media may be used. Four studio hours per week. Prerequisite: AR 113. Advisable to take AR 114 and AR 112 prior to AR 215. Fall semester.

217 Painting-Watercolor (2 credits). Major emphasis will be in the use of transparent watercolor. Work can be outdoors from nature as well as studio work. Four studio hours per week. Fall semester.

218 Painting-Watercolor (2 credits). Introduction to experimental techniques in the use of opaque waterbase media. Work will be interpreted with a technique that has a strong influence on the human figure. Four studio hours per week. Advisable to take AR 114 and AR 112 prior to AR 218. May be repeated once for credit. Model fee.

219 Art Metals (2 credits). 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. Four studio hours per week. Advisable to take AR 105-106 prior to AR 221. Fall semester.

221 Art Metals (2 credits). Continued exploration in design and construction work in metal and other media. Fabrication, forming and casting techniques will be emphasized. Four studio hours per week. Advisable to take AR 105, 106, and 221 prior to AR 222. Spring semester.

225 Ceramics (2 credits). An introduction to ceramics technique and material. Molding, hand building, decoration, glazing and firing will be given. Enrollment is limited. Four studio hours per week. (Advisable to take AR 105 and AR 106 prior to AR 225.) Fall Semester.

226 Ceramics (2 credits). Beginning the use of the potter's wheel, molding, casting and constructing. Four studio hours per week. (Advisable to take AR 105 and AR 106 prior to AR 226.) Spring Semester.

231 Sculpture (2 credits). Work in a variety of three dimensional material, with emphasis on the techniques of carving, modeling and casting. Four studio hours per week. Advisable to take AR 105 or AR 106 prior to AR 231. Fall semester.

232 Sculpture (2 credits). Continued work in a variety of three dimensional materials, with emphasis on the techniques of carving, modeling, and casting. Four studio hours per week. Advisable to take AR 231 prior to AR 232. Spring semester.

233 Introduction to Creative Photography (2 credits). An aesthetic approach to the basic photographic skills of camera operation, film development, and enlargement of negatives. All work in black and white. Two hours lecture and two hours laboratory work per week. Adjustable camera required. Either semester.

UPPER DIVISION

301 Nineteenth Century Art History (3 credits). A study of important artists and movements in art since the Renaissance until modern times. Fall semester.

302 History of Twentieth Century Movement in Art (3 credits). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada, and Surrealism. Spring semester.

303 Studio in Advertising Design (3 credits). Advanced study of the design and preparation of art for reproduction. Techniques and studio practice. Six studio hours per week. Advisable to take AR 203 and 204 prior to AR 303. May be repeated once for credit. Either semester.

304 Studio in Visual Design (3 credits). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture, and space. Six studio hours per week. Advisable to take AR 105 and 106 prior to AR 305. May be repeated for credit. Either semester.

305 Studio in Metalsmithing (3 credits). Advanced study— in materials of jewelry-making and metalsmithing with special emphasis on forging, stone-setting, cutting, and mechanical techniques as further personal development of craftsmanship. Prerequisites: AR 221, 222. Six studio hours per week. May be repeated once for credit. Either semester.

306 Studio in Printmaking (3 credits). Advanced printmaking in any one of the following specialized areas, each of which may be repeated once for credit: intaglio, lithography, serigraphy, and relief printing.

311 Advanced Drawing (3 credits). Structural, interpretive, or compositional study from the model or other subject matter, based on individual interests. Six studio hours per week. Model fee. Prerequisite: AR 212. May be repeated once for credit. Either semester.

315 Studio in Painting (3 credits). Creative work in representational or non-representational areas in any media. Six studio hours per week. Prerequisite: AR 215. May be repeated once for credit. Either semester.

317 Painting-Watercolor (3 credits). Advanced work in opaque and transparent media with emphasis on experimental techniques. Six studio hours per week. Advisable to take AR 217 and AR 218 prior to AR 317. Fall semester.

318 Painting-Watercolor (3 credits). Advanced work in opaque and transparent media with emphasis on experimental techniques. Six studio hours per week. Advisable to take AR 317 prior to AR 318. Spring semester.

319 Figure Painting (3 credits). Painting from models in realistic or semi abstract style based on individual interests. Six studio hours per week. Model fee. Prerequisite: AR 219. If the student is in good standing status, or permission of instructor, may be repeated for credit.

321 Elementary School Art Methods (3 credits). For students expecting to teach in the elementary grades. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progress steps and materials specific to free and spontaneous expression are stressed. Two lectures and two studio hours per week. Either semester.

325 Studio in Ceramics (3 credits). Advanced study in the materials of ceramics, with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Six studio hours per week. Advisable to take AR 225 and 226 prior to AR 325. Individual instruction will be given. May be repeated once for credit. Either semester.

331 Studio in Sculpture (3 credits). Advanced study in the materials and methods of the sculpture with emphasis upon welded steel and metal casting. Six studio hours per week. Advisable to take AR 231 and AR 232 prior to AR 331. May be repeated once for credit. Either semester.

341 Studio in Creative Photography (3 credits). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing. Two hours lecture and four studio hours per week. Advisable to take AR 231 and AR 232 prior to AR 341. May be repeated once for credit. Either semester.

351 Studio in Creative Photography, Color Printing (3 credits). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing. Two hours lecture and four studio hours per week. Adjustable camera required. Prerequisite: AR 251 or permission of instructor. May be repeated for credit. Either semester.

354 Studio in Creative Photography, Color Slides (3 credits). Advanced study emphasizing preparation 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. Twelve lecture hours and four studio hours per week. Adjustable camera required. May be repeated for credit. Prerequisite: AR 251 or permission of instructor. Either semester.

365 Secondary School Art Methods (3 credits). Art Education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum, planning, Two hours lecture and two hours lab per week. Fall semester.

368 Studio in Advertising Illustration (3 credits). Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Six studio hours per week. Advisable to take AR 230 and AR 234 prior to AR 368. Fall semester. May be repeated for credit.

371 History of Twentieth Century American Art (3 credits). Beginning with a short survey of American art from the Ashcan School through the Thirties, there will be a concentration on Abstract Expressionism, Pop, Op and Minimal. Class presentations will be expected of students, critical writings will be assigned. (It is advisable to take AR 302 first, although this is not a prerequisite). Fall semester.

409 Studio in Printmaking (3 credits). Concentrated work in any one of the following areas: woodcut, lithography, intaglio, and serigraphy. Six studio hours per week. May be repeated for credit. Either semester.

411 Drawing Studio (3 credits). Individual problems in drawing. Six studio hours per week. Model fee. Prerequisite: AR 311. May be repeated for credit. Either semester.

415 Studio in Painting (3 credits). Individual problems in painting in any media. Students will participate in one-person senior show projects. Six studio hours per week. Prerequisite: AR 315. May be repeated for credit.

417 Studio in Painting-Watercolor (3 credits). Advanced study in selected watercolor media. Six studio hours per week. Advisable to take AR 317 and AR 318 prior to AR 417. May be repeated for credit. Either semester.

425 Studio in Ceramics (3 credits). 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. Six studio hours per week. Advisable to take AR 325 and AR 326 prior to AR 425. Individual instruction will be given. May be repeated for credit. Either semester.

431 Studio in Sculpture (3 credits). Continued study in the material and methods of the sculptor with emphasis upon welded steel and casting. Six studio hours per week. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.

441 Studio in Creative Photography (3 credits). Individual problems in black and white photography. Two hours lecture and two studio hours per week. Prerequisite: AR 341. May be repeated for credit. Either semester.

488 Senior Seminar (3 credits). Required reading, and written and oral reports, relative to the senior art majors, area of interest within the visual arts. Either semester.
## Requirements for Biology Major

### I. Bachelor of Science Option

#### 1. General University and Baccalaureate Degree Requirements. See pages 25-27

#### 2. Major Requirements

<table>
<thead>
<tr>
<th>A. Biology</th>
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<tbody>
<tr>
<td>1. Biology Core</td>
<td>13</td>
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<tr>
<td>General Botany</td>
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<tr>
<td>General Zoology</td>
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<tr>
<td>Cell Biology</td>
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<tr>
<td>Seminar</td>
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<td>2. Physiology — one course</td>
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<tr>
<td>Plant Physiology</td>
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<tr>
<td>Human Physiology</td>
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<td>General &amp; Comparative Physiology</td>
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<td>3. Morphology — one course</td>
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<tr>
<td>Plant Anatomy</td>
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<td>Plant Morphology</td>
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<td>Comparative Anatomy</td>
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<tr>
<td>Vertebrate Embryology</td>
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<tr>
<td>Vertebrate Histology</td>
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<td>4. Natural History — one course</td>
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<td>Entomology</td>
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<td>Invertebrate Zoology</td>
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<td>Natural History of Vertebrates</td>
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<td>5. Biology — Microorganisms — One course</td>
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<td>2. Earth Science</td>
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<td>4. Area I &amp; II Electives</td>
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### II. Secondary Education Option

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<thead>
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<th>Major Endorsement</th>
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<td>Mathematics</td>
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**Biology Major**

**SCHOOL OF ARTS & SCIENCE**

- **Recommended Electives**: 12-15
- **Ecology**: 3
- **Entomology**: 5
- **Invertebrate Zoology**: 3
- **Systematic Botany**: 4
- **Vertebrate Natural History**: 1
- **Basic Education Requirements to Include**: 22-27
- **Science Methods**: 7-15
- **Electives**: 25

**Total**: 128

#### Minor Endorsement

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**Biology Major**

**Bachelor of Science**

(Suggested Program)

### FRESHMAN YEAR:

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### SOPHOMORE YEAR:

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<tbody>
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<td>Organic Chemistry</td>
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<tr>
<td>Biology Elective</td>
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<td>Area I Electives</td>
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<td>Other Electives</td>
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**Biology Major**

**Secondary Education Option**

**Bachelor of Science**

(Suggested Program)

### FRESHMAN YEAR:

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<th>1ST SEM.</th>
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### SOPHOMORE YEAR:

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<tr>
<td>Cell Biology</td>
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<td>Organic Chemistry</td>
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<td>Foundations of Education</td>
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<td>General Psychology</td>
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<td>Area I Electives</td>
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<td>Area II Electives</td>
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<tr>
<td>Biology Electives</td>
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<td>Total</td>
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*A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.*
### Upper Division

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Work Period</th>
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<tbody>
<tr>
<td>303 General Bacteriology</td>
<td>5</td>
<td></td>
<td>1 semester</td>
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<tr>
<td>304 Teaching Science in the Secondary School</td>
<td>3</td>
<td>Prior or concurrent enrollment in B-225 and Organic Chemistry</td>
<td>Fall and Spring semesters</td>
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</tbody>
</table>

#### 100 Concepts of Biology (4 credits)
An introductory course for non-majors planning to take only one semester of Biology. A survey of the plant and animal kingdoms with emphasis on topics such as evolution, genetics, and ecology and their application to current problems of pollution, overpopulation, and eugenics. May not be used to form a sequence with either B-101 or B-102. Students who have received credit for B-101, B-130, or B-120 may not receive credit for B-100. Three lectures and one 2-hour laboratory period per week. Each semester.

#### 191-192 General Botany (4 credits)
A general one-year introduction to the study of plant and animal life, with an interpretation of the principles of morphology, physiology, ecology, embryology, and genetics as represented by both types of organisms. Emphasis on the above principles is placed on their relationship to man. This course is recommended for those students desiring a two semester course in biological science. Three lectures and one 2-hour laboratory period per week. Sequence beginning Fall semester.

#### 200 Man and the Environment (3 credits)
A course designed to reveal the impact of man on the environment with emphasis on the biological, economical, and social factors involved with the aim of preparing the students to be sensitive to the significant issues and factors involved in environmental decision making. Three lecture-discussion periods per week. Each semester.

#### 295 Microbiology (4 credits)
A survey of microbiology with emphasis on microbial diversity, structure, and metabolism; principles of microbial control, host-parasite relationships, and immunology; and a survey of medically important microorganisms. The course is designed for associate degree students within the School of Health Sciences. Three lectures and two one-hour laboratory periods per week. Each semester.

#### 225 Cell Biology (3 credits)
A study of prokaryotic and eukaryotic cells, their specialization and structure, function, and variations in their cellular organelles. The mechanism of mitosis, meiosis, chromosomal aberrations, interactions of nucleus and cytoplasm, and cytological methods will be considered. Three lectures per week. Prerequisite: 1 year of college biology and concurrent or prior enrollment in organic chemistry. Each semester.

**Note:**
- **Biology Seminar**
- **Digital Computer Programming**
- **Microbiology Laboratory**
- **Organic Chemistry**
- **Plant Morphology**
- **Principles of Economics**
- **Systematic Botany**
- **Techniques in Molecular Biology Laboratory**
- **Theoretical and Practical Bacteriology Laboratory**
- **Theoretical and Practical Microbiology Laboratory**
- **Two one-hour laboratory periods per week. Each semester.**
- **Prerequisites:**
  - General Botany
  - General Microbiology
  - Organic Chemistry

---

**Source:**
- School of Arts & Science
- Courses as of [publication date], listed as courses 01, 02, 03, and 04.
per week. Frequent local field trips will be taken during these laboratory periods. Prerequisites: BT-130 and Z-130. BT-311. Plant Morphology recommended. Alternates with Z-207 or Z-281.

481 Plant Physiology (4 credits). Plant physiology will emphasize the physical and chemical processes of plant body functions. It includes a study of cells, tissues and organ functions, the mineral requirements of the plant, its metabolism, water uptake, photosynthesis, compounds synthesized by plants and a brief discussion of soil chemistry. Three lectures per week. Prerequisite: B-225 and Organic Chemistry. General Physics or Biophysics and Plant Anatomy recommended. Fall semester.

190 General Forestry (2 credits). A general survey of the entire field of forestry, timber management and propagation of the important trees of the U.S. One 2-hour lecture per week. Spring semester.

Z ZOOLOGY

LOWER DIVISION

197 Concepts of Human Anatomy and Physiology (4 credits). A one-semester terminal course in human anatomy and physiology. Three lectures and one two-hour laboratory per week. Spring semester.

111-112 Human Anatomy and Physiology (4 credits). A two-semester sequence for those students whose career objectives require a thorough study of human anatomy and physiology. Three lectures and one three-hour laboratory per week. Prerequisite: prior or concurrent enrollment in Essentials of Chemistry recommended. Z-107 cannot be substituted for either semester of this sequence. Spring semester.

126 General Zoology (5 credits). The fundamentals of animal structure, physiology, development, heredity, evolution, adaptations, and life histories. Three hours of lecture and two three-hour laboratory periods per week. Each semester.

UPPER DIVISION

301 Comparative Anatomy (4 credits). Dissection and study of representative types of vertebrates, together with lectures and discussions of general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two 3-hour laboratory periods per week. Prerequisite: Z-130 or consent of instructor. Fall semester.

305 Entomology (4 credits). A study of the biology of insects with emphasis on their ecology, classification, morphology, physiology, and control. The course includes exercises in collecting and identification of local species. Two lectures and two 3-hour laboratory periods per week. Prerequisite: B-225 or consent of instructor. Students are required to meet with the instructor sometime during the academic year which precedes their enrollment in this course in order that they may commence their collecting of specimens during the more productive summer months. Fall semester.

307 Invertebrate Zoology (4 credits). Morphology, physiology and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Two lectures and two 3-hour laboratories per week. Prerequisite: Z-130 or consent of the instructor. Alternates with BT-322 or Z-281. Spring semester.

341 Ornithology (3 credits). A lecture, laboratory and field course dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and one three-hour laboratory period each week. Prerequisite: Natural History of the Vertebrates or consent of the instructor. Alternates with Ornithology and is offered on even numbered years. Spring semester.

351 Vertebrate Embryology (4 credits). An analysis of the development of vertebrates with special emphasis on the experimental approach to morphogenesis in lecture and classical descriptive embryology in the laboratory. Two lectures and two 3-hour laboratories each week. Prerequisite: A year of college biology or consent of instructor. Fall semester.

355 Natural History of the Vertebrates (4 credits). A lecture, laboratory and field course dealing with the identification, morphology, life cycle and habitat of fish, amphibians, reptiles, birds and mammals. Special emphasis is placed on local forms. Two lectures and two three-hour laboratory periods per week, plus two weekend field trips. Prerequisite: One year of college biology, or equivalent. Fall semester.

361 Microtechnique (3 credits). A study of the theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. One hour lecture and two 3-hour laboratory periods. Prerequisite: One year of college biology or consent of instructor. Alternates with BT-322 or Z-287.

400 Vertebrate Histology (4 credits). A course dealing with the microscopic anatomy of cells, tissues, and organ systems of vertebrates with major emphasis on mammalian systems. Two one-hour lectures and two 3-hour laboratories. Prerequisite: B-225 and either Comparative Anatomy or Vertebrate Embryology are recommended. Fall semester.

401 Human Physiology (4 credits). Lecture and laboratory exercises in physiology with emphasis on human regulatory and homeostatic mechanisms, particularly those of cardiovascular, pulmonary, and endocrine function in health and disease. Prerequisites: Organic Chemistry, and B-225. Three lectures and one 3-hour laboratory per week. Spring semester.

409 General and Comparative Physiology (4 credits). A lecture and laboratory course in animal physiology. General physiological principles, using specific invertebrate and vertebrate groups as examples and physiological adaptations necessary to meet specific environmental challenges are discussed. Laboratory experiments utilizing a number of animal species are conducted. Three hours lecture and one 3-hour lab per week. Prerequisites: B-225 and Organic Chemistry. Spring semester.

411 Ichthyology (4 credits). The taxonomic, morphological, physiological, ecological and economic aspects of the fishes. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Natural History of the Vertebrates. Fall semester.

421 Mammalogy (3 credits). A lecture, laboratory and field course dealing with the classification, identification, structure, distribution, and life habits of mammals. Two lectures and one three-hour laboratory period per week. Prerequisite: Natural History of the Vertebrates or consent of instructor. Alternates with Ornithology and is offered on odd numbered years. Spring semester.

DEPARTMENT OF CHEMISTRY

Chairman and Professor: Mr. Jack L. Dalton; Professors: Banks, Carter, Ellis, Hibbs, Peterson, Stark; Assistant Professors: Matjeka, Mercer.

REQUIREMENTS FOR CHEMISTRY MAJOR

1. Liberal Arts Option: This degree prepares the student for employment as a chemist or for admission to medical or graduate school.

2. General University and Baccalaureate Degree Requirements. See pages 25-27.

3. Major Requirements:

A. Chemistry

<table>
<thead>
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<th>Course Name</th>
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<tr>
<td>Organic Chemistry</td>
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<td>Physical Chemistry</td>
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<td>Quantitative Analysis</td>
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<td>Advanced Inorganic Chemistry</td>
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B. Mathematics

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C. Physics

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3. Recommended Electives

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(A Suggested Program)

FRESHMAN YEAR:

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<td>3</td>
</tr>
<tr>
<td>Physics I</td>
<td>3</td>
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<tr>
<td></td>
<td>15-16</td>
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</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Physics II and III</td>
<td>3</td>
</tr>
<tr>
<td>Physics Lab I and II</td>
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<tr>
<td>Degree Requirements</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>9</td>
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JUNIOR YEAR:

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<tr>
<th>Course Name</th>
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<tbody>
<tr>
<td>Physical Chemistry</td>
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<tr>
<td>Organic Chemistry</td>
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<td>Degree Requirements or Electives</td>
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SENIOR YEAR:

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<th>Course Name</th>
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<td>Chemistry Seminar</td>
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<td>Advanced Inorganic</td>
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<tr>
<td>Instrumental Analysis</td>
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<tr>
<td>Independent Study</td>
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<td>Degree Requirements or Electives</td>
<td>12-9</td>
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<tr>
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<td>17-15</td>
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</tbody>
</table>

43
SCHOOL OF ARTS & SCIENCE

II. Secondary Education Option:

This degree program prepares the student to teach chemistry in secondary school.

1. General College and Baccalaureate Degree Requirements. See pages 25-27.

2. Major Endorsement Requirements

A. Chemistry

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>Quantitative Analysis</td>
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<td>Organic Chemistry</td>
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<td>Additional Upper Division</td>
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<tr>
<td>Course(s)</td>
<td></td>
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<tr>
<td>Completion of Mathematics through M-206</td>
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B. Mathematics

<table>
<thead>
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<tbody>
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</table>

The Idaho Professional Standards Commission now requires a year of biology.

(A Suggested Program)

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
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<tbody>
<tr>
<td>English Composition</td>
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<td>College Chemistry</td>
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<tr>
<td>Mathematics</td>
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<tbody>
<tr>
<td>Quantitative Analysis</td>
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<tr>
<td>General Psychology</td>
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<td>Degree Requirements</td>
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<td>Foundations of Education</td>
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<table>
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<th>JUNIOR YEAR</th>
<th>1ST SEM.</th>
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</thead>
<tbody>
<tr>
<td>Physical Chemistry</td>
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<td>4</td>
</tr>
<tr>
<td>Organic Chemistry</td>
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</tr>
<tr>
<td>Educational Psychology</td>
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<tr>
<td>Teaching Science in Secondary School</td>
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<tr>
<td>Degree Requirements or Electives</td>
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<th>SENIOR YEAR</th>
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<tr>
<td>Secondary School Methods</td>
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<tr>
<td>Senior High School Teaching</td>
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<tr>
<td>The Senior High School</td>
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<tr>
<td>Educating Exceptional Secondary Students</td>
<td>1</td>
<td>-</td>
</tr>
</tbody>
</table>

Degree Requirements and Electives 12 17 13

Students who do not have a chemistry degree may be certified to teach chemistry in secondary school. Refer to page 106 of this bulletin where minor certification endorsements for teaching areas are listed in the department of Teacher Education.

COURSES

C CHEMISTRY

LOWER DIVISION

100 Concepts of Chemistry (4 credits). A descriptive non-mathematical course designed to acquaint students with the science of chemistry and chemistry's relationships 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 a part of a Chemistry sequence. Students who have received credit for C-109 or C-133 may not receive credit for C-100. Three lectures and one 3-hour laboratory per week. Each semester.

102 Preparation for Chemistry (1 credit). A lecture, recitation, and laboratory course designed for students lacking the necessary background for General Chemistry. Emphasis is placed on basic concepts, definitions, chemical problem solving and laboratory manipulations. To be taken concurrently with or prior to the first semester of either Freshman chemistry course. 2 periods per week. Both semesters.

107 Essentials of Chemistry (3 credits). The first semester of a sequence course. A study of basic chemistry concepts in Inorganic and Organic chemistry. Three lectures per week. Prerequisite: High School chemistry or C-103 or concurrent enrollment in C-103. Concurrent enrollment in C-109 is required. Fall and Spring semester.

108 Laboratory for Essentials of Chemistry (1 credit). The laboratory to accompany C-107. Three lab hours per week. Concurrent enrollment in C-107 is required. Fall and Spring semester.

109 Essentials of Chemistry (3 credits). A continuation of C-107 to include basic concepts of Biochemistry. Three lectures per week. Prerequisite: C-107 and C-109. Concurrent enrollment in C-110 is required. Spring semester.

131 College Chemistry (3 credits). 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. Three lectures per week. Prerequisite: M-111, 115 or Math ACT of 18 or higher or concurrent enrollment in M-111 or M-115. Concurrent enrollment in M-111 or M-115. Concurrent enrollment in C-131 is required. Fall semester.

132 Laboratory for College Chemistry (1 credit). Laboratory work to accompany C-131. 3 lab hours per week. Concurrent enrollment in C-131 is required. Fall semester.

133 College Chemistry (3 credits). A continuation of C-131 to include Equilibrium, Redox Complex ions. 3 lectures per week. Prerequisite: C-131 and C-132. Spring semester.

134 Laboratory for College Chemistry (2 credits). Laboratory work to accompany C-133. To include Qualitative Analysis. 6 lab hours per week. Prerequisite: C-131 and C-132. Spring semester.

207-208 Elementary Organic Chemistry (3 credits). An introductory course covering the fundamental principles and applications of organic chemistry. Designed for those students who do not require an intensive study of chemistry. Two lectures and one 3-hour laboratory per week. Prerequisite: Chemistry C-131/132/133. Each semester.

211 Quantitative Analysis (3 credits). Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analysis. Prerequisite: C-131/132/133-134. Fall semester.

212 Quantitative Laboratory Techniques (2 credits). Practical applications of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric, and some instrumental methods. Prerequisite: Chemistry 211 or concurrent enrollment. Fall semester.

UPPER DIVISION

305 Teaching Science in the Secondary School (3 credits). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science — both as subject matter and as processes of scientific inquiry. The implications of this understanding as they relate to secondary school science teaching are explored in depth in terms of methodology, objectives, and evaluation. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curricular materials for secondary school science teaching. Spring semester, alternate years. (Course is co-listed as GS 305 and B 305.)

317 Organic Chemistry Lecture (3 credits). A basic descriptive overview of Organic Chemistry covering the fundamental principles of nomenclature, reactions, synthesis, elementary mechanisms and stereochemistry. Designed to partially fulfill the requirements of chemistry majors, chemical engineers, professional and pre-professional students. Three lectures per week. Prerequisite: Chemistry C-131-132-133-134. Concurrent credit enrollment in C-319 is required. Fall semester.


*Certain courses cover somewhat similar subject matter, and credit cannot be granted for both courses. Credits for C-207, 208 will not be allowed if credit is given in C-317, 318.

*A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.
1. General College Requirements ............................................. 14
2. Departmental Core Requirements ...................................... 14
3. Suggested Courses as follows:
   A. CM 131—Listening ................................................................ 3
   CM 251—Communication in the Small Group ....................... 3
   CM 307—Interviewing ....................................................... 3
   CM 431—Small Group Process ............................................ 3
       CM 341—Nonverbal Communication ....................................
       CM 351—Intercultural Communication ..............................
       CM 361—Organizational Communication ..........................
       CM 412—Persuasion ........................................................
   C. CM 478—Public Relations ................................................ 3
   D. CM 321—Rhetorical Theories .......................................... 3
   CM 331—Message Analysis and Criticism ............................
   CM 332—Contemporary Public Communication ...................
   E. CM 271—Journalistic Communication Theory and Practice ..
       CM 273—Reporting and News Writing .............................
       CM 312—Applied Speech Communication ......................
       CM 451—Communication Practicum ............................... 3
       CM 471—Radio-TV Newswriting .....................................
   Total 40-43

MASS COMMUNICATION EMPHASIS
1. General College Requirements ............................................. 14
2. Departmental Core Requirements ...................................... 14
3. Suggested Courses, as follows:
   CM 271—Journalistic Communication Theory and Practice ..
       CM 312—Applied Speech Communication ........................
       CM 451—Communication Practicum ............................... 3
       CM 471—Radio-TV Newswriting .....................................
   Total 40

SECONDARY EDUCATION EMPHASIS:
1. General College Requirements ............................................. 14
2. Departmental Core Requirements ...................................... 14
3. Education Requirements. (See Section VI Secondary Education)
4. Suggested Courses, as follows:
   A. CM 241—Oral Interpretation ...........................................
   CM 401—Methods of Teaching Communication ...................
   B. CM 112—Reasoned Discourse ........................................
   CM 113—Competitive Speech .......................................... 3
   CM 121—Voice and Diction ..............................................
   CM 131—Listening ...........................................................
   CM 231—Message Composition and Delivery ....................
   CM 312—Applied Speech Communication ..........................
   CM 451—Communication Practicum ................................. 9
   C. CM 251—Communication in the Small Group ..................
   CM 307—Interviewing .....................................................
   CM 431—Small Group Process .......................................... 2 or 3
   D. CM 321—Rhetorical Theories ........................................
   CM 331—Message Analysis and Criticism ..........................
   CM 332—Contemporary Public Communication ..................
   CM 271—Journalistic Communication: Theory and Practice ..
   CM 341—Nonverbal Communication ...................................
   CM 351—Intercultural Communication ..............................
   CM 412—Persuasion ....................................................... 6
   Total 40-41

NOTE: A student with a single teaching field must complete at least 6 credits.

JOURNALISTIC COMMUNICATION EMPHASIS
1. General College Requirements
SCHOOL OF ARTS & SCIENCE

2. Departmental Core Requirements ........................................ 14 hours
   CM 277—Photo Communication ........................................ 3
   CM 273—Reporting—Newswriting .................................... 3
   CM 378—History of Mass Communication ............................. 3
   CM 379—Communication Graphics ................................... 3
   CM 461—Ethics, Law and Communication ........................... 3
   CM 483—Internship ..................................................... 3

3. Other Required Courses .................................................. 21 hours
   CM 171, 172—Mass Communication: Concepts and Perspectives
   CM 271, 272—Journalistic Communication: Theory and Practice
   CM 374—Reporting and News Writing .................................
   CM 370—Interviewing ..................................................
   CM 371—Copyreading and Editing ...................................
   CM 372—Journalistic Communication Practicum
   CM 471—Radio-TV Newswriting ......................................
   CM 472—Editorial and Feature Writing .............................
   CM 478—Public Relations .............................................

4. Suggested courses, chosen from the following .......................... 15 hours
   CM 171, 172—Mass Communication: Concepts and Perspectives
   CM 271, 272—Journalistic Communication: Theory and Practice
   CM 374—Reporting and News Writing ................................
   CM 370—Interviewing ..................................................
   CM 371—Copyreading and Editing ...................................
   CM 372—Journalistic Communication Practicum
   CM 471—Radio-TV Newswriting ......................................
   CM 472—Editorial and Feature Writing .............................
   CM 478—Public Relations .............................................
   ENGLISH
   Literature Survey I ...................................................
   Composition above the basic sequence* ................................
   Introduction to Language Study, LI 305 ...........................
   Literature electives* (UD) ...........................................

Special area emphasis may be selected from the following programs; this must include a minimum of 9 credit hours in one area:

History
Economics
Political Science

OR any other program listed on Page 27 of B.S.U. Catalog (under Baccalaureate Degree Programs).

The selection of special area emphasis should reflect the career plans of the student, and should be made in consultation with his advisor.

COMBINED MAJOR:
COMMUNICATION—ENGLISH

A. With Journalism emphasis: Department requirements

COMMUNICATION

Fundamentals of Speech Communication CM 111 ....................... 3
Methods of Inquiry, CM 201 ........................................... 3
Journalistic Communication: Theory & Practice, CM 271 or 272 ...
Communication Process, CM 221 ....................................
Rhetorical Theories, CM 321 ..........................................
Theories of Communication, CM 421 ................................

Communication electives (UD) .........................................

Total 27

ENGLISH

Literature Survey I ....................................................
Composition above the basic sequence* ................................
Introduction to Language Study, LI 305 ...........................
Literature electives* (UD) ...........................................

Total 27

(Add Senior Seminar—either CM 498 or E498—2 hrs.)

Total Hrs.: 56 (27 & 27 & 2)

*B 3 hrs, in courses before 1000

B. With Communication emphasis: Department requirements

COMMUNICATION

Fundamentals of Speech Communication, CM 111 ....................... 3
Methods of Inquiry, CM 201 ........................................... 3
Communication Process, CM 221 ....................................
Rhetorical Theories, CM 321 ..........................................
Theories of Communication, CM 421 ................................

Electives (UD) ............................................................

Total 27

ENGLISH

Literature Survey I ....................................................
Humanities HU 207 or 208 ...........................................

Advanced Writing & Linguistics*........................................ 9
Electives (UD) ............................................................ 9

Total 27

N.B. Electives:

1. If student does not elect another Humanities course (either HU 207 or HU 208), then he should take 9 additional upper division courses in each department.
2. If student elects the extra 3 hours in Humanities (either HU 207 or HU 208), then he would take 6 upper division hours in Communication or English and 9 upper division hours in the other department.

(Add Senior Seminar—either CM 498 or E498—2 hrs.)

Total Hrs.: 56 (27 & 27 & 2)

CM COMMUNICATION

LOWER DIVISION

102 Professional Speech Communication (3 credits). A course designed especially for two-year preprofessional curricula. Theory and principles involved in oral communication situations in the professional world: interviews, conferences, group process, and public speaking.

111 Fundamentals of Speech—Communication (3 credits). Fundamental principles of effectively preparing, presenting and communicating messages in one-to-one, small group, and public speaking contexts. Students may not earn credit in both CM-102 and CM-111.

112 Reasoned Discourse (3 credits). 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.

114 Communication Activities (1 credit). Preparation for and participation in communication activities such as: intercollegiate debate competition, intercollegiate individual speaking, interpretation competition, or community speaking activities. Prerequisite: permission of the instructor. CM 114 and 314 may be repeated for a total of 8 credits, not more than 4 of which may be applied toward the degree in communication.


131 Listening (3 credits). Theory and practice of man's most used communication skill. Analysis of variables as they promote or impede the process of listening.


201 Methods of Inquiry (3 credits). Introduction to the Philosophy of Science as applied to the study of communication. Emphasis on various techniques of research and the requirements for the conduct, reporting and criticism of research.

211 Communication Process (3 credits). An examination of the nature of human communication. Focuses through experimental learning, on awareness of self, communicative relationships and context.

231 Message Composition and Presentation (3 credits). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.

241 Oral Interpretation (3 credits). Practice in reading prose, poetry, and drama to help the student determine a logical and emotional meaning for selection, and project that meaning to his listeners. Either semester.

251 Communication in the Small Group (3 credits). 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.


273-274 Reporting and News Writing (3 credits). Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis will be placed on accuracy, conciseness and clarity in writing. Includes study of elements of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copyreading symbols. Prerequisite: Ability to use typewriter. Each semester.

275 Supervision of School Publications (2 credits). For prospective teachers who plan to be advisers of school newspapers and yearbooks, a study of fundamentals in writing, layout, and management of scholastic publications. Spring semester.

46
276 Television: History and Aesthetics (3 credits). An examination of television as an entertainment medium from critical and historical points of view. Course includes a study of dramatic and comic types, the development of specialized programming, and the social and commercial influences on program content.

277 Photo Communication (3 credits). A study of photography as a means of communication. Includes the planning and production of photography for publication and broadcasts. Two hours lecture and two hours laboratory per week. Prerequisite: AR-251 or consent of instructor. Fall semester.

UPPER DIVISION

307 Interviewing (2 credits). An examination of the theory upon which communication behavior in dyadic situations is based. Practical experience in various types of interviews as confronted in business, in education, and in the professions.

311 Speech—Communication for Teachers (3 credits). Designed to improve the prospective teacher's awareness of communicative processes related to effective teaching, emphasis on various communication situations confronted by teachers and strategies for maximizing student-teacher relationships.

312 Applied Speech Communication (3 credits). An application of basic principles of speech communication to real-life situations involving current community problems and issues. Prerequisite: CM 111 or 102 or consent of instructor.

CM 314 Communication Activities (1 credit). Preparation for and participation in communication activities such as: intercollegiate debate competition, intercollegiate individual speaking, interpretation competition, or community speaking activities. Prerequisite: permission of the instructor. CM 114 and 314 may be repeated for a total of 8 credits, not more than 4 of which may be applied toward the degree in communication.

321 Rhetorical Theories (3 credits). An examination of theories concerning the complexity of interaction among ideas, messages, and men, including analysis of various message strategies.

331 Message Analysis and Criticism (3 credits). An evaluation of methods of analyzing and criticizing oral messages and their application to making critical appraisals of public address.

332 Contemporary Public Communication (3 credits). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public dialog which reflect, reinforce, and alter public opinion.

341 Nonverbal Communication (2 credits). An examination of the function of non-verbal language codes in communication. Students look at: 1. how individuals and groups acquire and apply rules about what, how, to whom, and when to communicate with nonverbal signs. 2. When and how the interpretation and analysis of nonverbal signs may affect decision-making or conclusion-drawing in communication. Emphasis on projects demonstrating non-verbal communication.

351 Intercultural Communication (3 credits). 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.

351 Organizational Communication (3 credits). 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.

371 Copyreading and Editing (3 credits). Techniques of reading newspaper copy; the use of proper copyreading symbols; laboratory work in editing and rewriting copy for publication. Prerequisite: CM 273 or 274.

372 Journalistic Communication Practicum (1-4 credits). Designed for students who seek professional experience and professional careers. The course offers students training with professionals in the community. Prerequisite: Consent of the instructor. May be repeated for a total of 4 hours.

376 Yearbook Techniques (1 credit). Techniques of layout planning, picture sizing, and writing copy for yearbooks. Recommended for members of the Les Bois staff and for students preparing to be publications advisors. Not intended for production of yearbook.

378 History of Mass Communication (3 credits). Traces the development of the concepts, technologies and practices of mass communication. Primary focus on the emergence of the mass media as a disseminator of news, opinion, entertainment and advertising. Prerequisite: Upper division standing.


481 Methods of Teaching Communication (3 credits). 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. Intended primarily for the individual preparing to teach speech communication or direct forensic activities in the secondary school.

412 Persuasion (3 credits). Emphasis on theories of persuasion. Examination of variables and message strategies relevant to the persuasive process. Practical application of theory in the analysis and construction of persuasive messages.

421 Theories of Communication (3 credits). A critical evaluation of theories in the field of communication. An examination of the interrelationships of definitions, models and theory. Analysis of related theories of communications: e.g. Anthropological, mass media, social-psychological. Fall semester.

431 Small Group Process (3 credits). An advanced study of specific variables and theories affecting the communicative interaction of small groups. Focus upon small group behavior in terms of variables that affect group process: structure, interaction, transaction, roles, norms, and cohesiveness.

451 Communication Practicum (1-4 credits). 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 4 credits.

461 Ethics, Law and Communication (3 credits). An in-depth study of the laws and ethics related to communication. Prerequisite: Upper division standing.

471 Radio-Newswriting (2 credits). Practice writing of radio-tv news, including timing and arrangement of material, adding script to film, techniques for condensing stories, deciding the importance of story material. Preparation of"headlines," live and ten minute broadcasts. Prerequisite: Reporting and Newswriting CM 273-274 or consent of instructor.

473 Feature Writing (3 credits). Non-fiction writing of features for newspapers or magazines. Includes analysis of publication markets and procedures for submitting articles. Spring semester, alternate years.

474 Critical Writing (3 credits). Writing opinion for the mass media with emphasis on editorials, personal columns, and reviews of the arts. Spring semester, alternate years.


488 Communication Seminar (2 credits). A study of speech communication problems together with presentation of paper(s) based on research into problems. Prerequisite: CM 421 or consent of instructor. Senior standing.
DEPARTMENT OF ENGLISH

Chairman and Professor: Dr. Charles G. Davis; Professors: Boyer, Chatterton; Associate Professors: Maguire, Martin, Peek, Sahni, Willis, Assistant Professors: Ackley, Burmaster, Cocicotis, Evett, Fox, Hadden, Hansen, King, Leahy, McGuire, Nickerson, Papin- chak, Rinnert, Sanderson, Selander, Trusky, Warner.

REQUIREMENTS OF ENGLISH MAJORS
Bachelor of Arts Degree

I. Completion of general university requirements for Bachelor of Arts. See page 26.

II. Completion of Departmental Core
1. Specific Courses
   a. Survey of British Literature (E-240 and E-260) ......... 6
   b. Shakespeare (E-345 or E-346) .................. 3
   c. Introduction to Language Studies (LI-305) ......... 3
   d. History of Literary Criticism (E-383) ........... 3
   e. Senior Seminar (E-498) ....................... 2
2. Area Requirements
   a. American Literature (E-271, 272)
      E-376 or E-384) .......................... 3
   b. Pre-1800 British Literature (E-340, E-341, E-347,
      E-348, E-349, E-350, E-351, E-355, E-357,
      or E-359) ................................ 6
   c. Post-1800 British or American Literature
      E-360, E-365, E-366, E-369, E-377, E-378,
      E-384, E-385, E-389, E-390 or E-487) ........ 6
3. Foreign Language: 1-6 credits
4. Methods Courses: E-301 and either E-381 or TE-358
5. Literature For Use in Junior and Senior High School
   (E-481) .................................... 3
6. Upper division English electives ....................... 6
7. Idaho certification requirements
8. Successful completion of departmental competency
   exam

*Fulfills Area I requirements.

III. Completion of Departmental Option
1. Liberal Arts Option
   a. Competence in a Foreign Language equivalent to two
      years of university instruction.
   b. History of the English Language (LI-309) ........ 3
   c. Upper Division English Electives .............. 15

2. Options in Secondary Education
   a. Option 7-9 (Junior High)
      1. Writing Course: E-201 or E-401 (instead of E-393) .3
      2. Language Courses: LI-309 and either LI-307
         or LI-405 .................................. 6
      3. Methods Courses: E-301 and either E-381 or
         TE-358 .................................. 6
      4. Speech .................................. 3
      5. Literature For Use in Junior and Senior
         High School (E-481) .................... 3
      6. Upper division English electives .............. 6
      7. Western World Literature (E-230) ............ 3
      8. Idaho certification requirements
      9. Successful completion of departmental competen-
         cy exam
   b. Option 10-12 (Senior High)
      1. Language Courses: LI-307 and either LI-309 or
         LI-405 .................................. 6
      2. Methods Courses: E-301 and either E-381 or
         TE-358 .................................. 6
      3. Speech .................................. 3
      4. Advanced Writing: E-201, E-401, E-305, or E-306 .3
      5. Upper division English Electives .............. 9
      6. Western World Literature (E-230) ............ 3
      7. Idaho certification requirements
      8. Successful completion of departmental competen-
         cy exam
   c. Option 7-12 (composite)
      1. Language Courses: LI-309 and either LI-307 or LI-405
      2. Methods Courses: E-301 and either E-381 or TE-358
      3. Speech .................................. 3
      4. Literature For Use in Junior and Senior High School
         (E-481) plus advanced writing (E-201, E-401, E-305 or E-308) ......... 6

5. Upper division English elective ..................... 6
6. Western World Literature ........................ 3
7. Idaho certification requirements
8. Successful completion of departmental competency
   exam

Minor Endorsement: English
Advanced Composition ................................ 3
Linguistics ....................................... 3
E-301 or E-381 ................................ 3
Survey of American Literature (E-271 or E-272) ...... 3
Lower Division Literature .......................... 6
   6*
   Upper Division Literature ........................ 6
   Successful completion of departmental competent exam

*Courses may be selected from: World Literature (E-230 and E-235); British Literature (E-240 and E-260); Far Eastern Literature (E-215)

THEATRE ARTS MINOR FOR ENGLISH

TA-117 Technical Theatre
   (Basic set drawing and construction) ............... 4
TA-118 Technical Theatre (basic set
design, painting and lighting) ...................... 4
TA-215 Acting .................................. 3
TA-331 Major Production Participation ............ 3
One of the following:
TA-333 Stage Voice
TA-334 Advanced Oral Interpretation

COURSES APPLING TO BOTH DISCIPLINES
One of the following:
E-345 Shakespeare: Tragedies and Histories ........ 3
E-346 Shakespeare: Comedies and Romances ........ 3

Total Hours in Theatre Arts
Minor for English Major ................................ 24 hours

COMBINED MAJOR: COMMUNICATION—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 may select an emphasis in Journalism or in Communication
under the combined major.

Refer to page 46 under the Department of Communication for
the listing of requirements.

COURSES

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-101 English Composition (3 credits). Basic skills in writing, including use of supportive
materials, source references, basic patterns of organization, and standard usage. Prerequis-
ite: ACT score 20 or 5 in Developmental Writing. Each semester.

E-102 English Composition (3 credits). Advanced practice in expository writing, including
analysis and interpretation of imaginative literature. Study of the relationship between
literature and human experience. Prerequisite: E-101 or consent of Department Chair-
man. Each semester.

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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. Prerequisite: E-102. Either semester.

272 Survey of American Literature: Civil War to Present (3 credits). This course traces the continued development of American literature, with a focus on the socio-economic and political conditions of the times, including such authors as Twain, James, Hemingway, Eliot, and Faulkner. Prerequisite: E-102. Either semester.

UPPER DIVISION

271 English Composition (3 credits). 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 in a major or minor in English, or consent of the department. Prerequisites: Upper Division standing, and E-305. To be offered 1980/81.

238 Nineteenth-Century Continental Literature (3 credits). A study of major European writers of the Nineteenth Century. Specific reading selections vary each semester, but always within a chronological survey of the European cultural and intellectual developments, with a focus on the socio-economic and political conditions of the times. Included are works by Goethe, Stendhal, Flaubert, Nietzsche, Schopenhauer, Dostoevsky, and Tolstoy. Prerequisites: Junior standing and E-102 or consent of Department Chairman. Fall semester, alternate years. To be offered 1980/81.

237 Shakespeare: Tragedies and Histories (3 credits). A study of representative Shakespearean Tragedies and Histories. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1980/81.

236 Shakespeare: Comedies and Romances (3 credits). A study of representative Shakespearean Comedies and Romances. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

270 English Composition (3 credits). 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 in a major or minor in English, or consent of the department. Prerequisites: Upper Division standing, and E-305. To be offered 1980/81.

235 Milton (3 credits). A study of selected prose and poetry of John Milton with special emphasis on Paradise Lost, Paradise Regained, and the epic tradition. A focus on the socio-economic and political conditions of the times, including such authors as Twain, James, Hemingway, Eliot, and Faulkner. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1980/81.

234 Dryden, Pope and Their British Contemporaries (3 credits). An in depth study of John Dryden, Alexander Pope, and their contemporaries. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1980/81.

233 Swift, Johnson and Their British Contemporaries (3 credits). A study of the satire and the major European writers of the Eighteenth Century. Specific reading selections vary each semester, but always within a chronological survey of the European cultural and intellectual developments, with a focus on the socio-economic and political conditions of the times. Included are works by Voltaire, Swift, Johnson, and their contemporaries. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1980/81.

232 The Bible As Literature (3 credits). A study of selected portions of the Old and New Testaments as they interrelate, primarily, major literary types. Prerequisite: E-102. Spring semester.

231 Afro-American Literature (3 credits). The Black experience as reflected in the novels written. Reading includes selections from the earlier periods: ancient Greece, and the Middle Ages, and the various modes of satire popular in England Between 1660 and 1740. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester. To be offered 1980/81.

230 Survey of British Literature: 1790 to Present (3 credits). This course traces the continued development of British literature, with a focus on the socio-economic and political conditions of the times, including such authors as Twain, James, Hemingway, Eliot, and Faulkner. Prerequisite: E-102. Either semester.

229 Survey of American Literature: Beginnings to Civil War (3 credits). This course traces the artistic, philosophical, social, scientific, and intellectual influences on 111 Honors Composition (3 credits). Designed to provide the superior student a challenging course that emphasizes individual study and original writing. An introduction to critical writing and the study of ideas through literature. Honors 111 concentrates on lyrical, poetic, and fiction. Prerequisite: 112 or consent of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

112 English as a Second Language (3 credits). Basic skills in American English pronunciation, reading, and vocabulary development. Elementary level of written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

111 Honors Composition (3 credits). Designed to provide the superior student a challenging course that emphasizes individual study and original writing. An introduction to critical writing and the study of ideas through literature. Honors 111 concentrates on lyrical, poetic, and fiction. Prerequisite: 112 or consent of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

110 English as a Second Language (3 credits). Basic skills in American English pronunciation, reading, and vocabulary development. Elementary level of written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

109 Composition and Reading for Foreign Students (3 credits). Practice in college level reading and composition; development of special vocabulary skills related to individual needs, advanced English sentence structure. For foreign students with TOEFL of 551-575. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfies the E-101 requirements for foreign students.

108 Advanced English Composition for Foreign Students (3 credits). Study of and practice in the principles of informal and formal written English; principles of the essay and research paper; continuation of vocabulary development and mastery of the more complex types of written English sentences. For native speakers of English. Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfies the E-101 requirement for foreign students.

107 Advanced Expository Composition (3 credits). An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness in writing. The course is designed for native speakers of English. Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfies the E-101 requirements for foreign students.

106 Creative Writing — Poetry (3 credits). Prerequisite: Instructor's consent based on evaluation of student's original work. Fall semester.

105 Creative Writing — Fiction (3 credits). Short story or playwriting. Prerequisite: instructor's consent based on evaluation of student's original work. Spring semester.
379 British Novel: Beginnings through Scott (3 credits). An investigation of the development of the novel, tracing its roots and exploring the work of Defoe and the "big four"—Richardson, Fielding, Smollett and Sterne—through the emergence of the sophisticated novels of Jane Austen and the historical romances of Scott. The emergent novel was a direct result of the sophisticated novel. Scott helped us to understand how fiction reflected our assumptions about the world around us. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester.

380 British Romantic Poetry (3 credits). A study of representative poems and supplementary works by the Romantics, Wordsworth, Coleridge, Shelley, Keats, Byron, and selected contemporaries, including Blake and Hazlitt. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester.

385 Victorian Poetry (3 credits). A study of representative works from the writings of Tennyson, Browning, Arnold, and their contemporaries, up to and including Thomas Hardy. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1981/82.

386 Victorian Prose (3 credits). A study of the intellectual and spiritual crises of mid-19th century Britain as represented in the fictional prose of such writer's as Carlyle, Arnold, J.S. Mill, Kusley, Newman, and Ruskin. Prerequisite: Three credits of lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1976-78.

389 British Novel: Austen through Hardy (3 credits). An investigation of the development of the English novel from the beginning of the Victorian era to the death of Hardy in 1928, with particular attention to the relationships between the novel and Victorian attitudes up to the emergence of the twentieth-century British novel. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester.

377 American Renaissance (3 credits). A study in the second generation of the American literary experience when such leading writers as Hawthorne, Melville, Emerson, Thoreau, and Longfellow wrote, the various outlooks of Realism, Romanticism and Idealism, created the first universal vision of human experience to appear in American literature. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester.

378 American Realism (3 credits). A study of American literature written during the period from the Civil War to World War I. Mark Twain, W.D. Howells, Henry James, Kate Chopin, Theodore Dreiser, and contemporaries refined their literary techniques to accommodate the basic belief of literature should be written about the average person in the light of common day. Such related theories and ideas as Social Darwinism, psychology, scientism, impressionism, and Howells "doctrine of complicity" also receive attention in lectures and in discussions of novels. Prerequisite: Three credits of lower-division literature or consent of Department Chairman. Either semester.

381 Methods of Teaching Secondary School English (3 credits). Study of traditional and modern theories and methods of teaching composition, language and literature at the secondary level. Prerequisite: English 102 and junior standing or consent of Department Chairman. Fall semester.

382 Literature of the American West (3 credits). Selected works by representative writers of the American West. A study of such Western types as the mountain man, the cowboy and the pioneer in the works of such serious writers as Wallace Stegner, Owen Water, H.L. Davis, John Steinbeck, and Willa Cather. In addition to assessing the literary merits of the works studied, regional attitudes and values are analyzed and discussed. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

385 Twentieth-Century Anglo-American Fiction (3 credits). This course is designed to acquaint both non-majors and majors in literature with typical themes, subject matter, and stylistic innovations in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Cary, Eliot, Pound, Williams, Golding, Hemmingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester.

386 Twentieth-Century Anglo-American Drama (3 credits). A study of plays that reveal techniques and ideas used by the British and American writers who have created the various forms of "modern" drama. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

387 Folklore (3 credits). Study of what folklore is, its written and oral traditions, its different genres. Prerequisite: E-102 and junior standing or consent of Department Chairman. Either semester.

389 History of Literary Criticism (3 credits). A survey of critical approaches to literature from Plato to the twentieth century. Prerequisite: Junior standing and a literature survey or consent of the Department Chairman. Fall semester.

401 Advanced Writing (3 credits). Writing for the student who wants advanced training in expressing ideas. The emphasis is on developing effective prose styles, taking into account varieties of technique and their appropriateness for a specific audience. Will not fulfill Area I requirement for graduation. Either semester. Prerequisite: Permission of the instructor or E-205.

487 Twentieth-Century Anglo-American Poetry (3 credits). A study of representative works by important Twentieth-Century British and American Poets and of philosophical and aesthetic concerns these works reveal. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

488/581 Literature for Use in Junior and Senior High Schools (3 credits). A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is placed on critical reading of literature ordinarily used with adolescents in secondary school. Secondary emphasis is placed on methods of analysis appropriate for secondary students. All genres will be discussed. Both classical and popular authors will be included. Prerequisites: E-102, completion of two literature courses. Fall semester.

489 Methods and Theories of Literary Criticism (3 credits). Prerequisite: E-393 and Junior standing or consent of Department Chairman. A detailed study and application of major critical methods and theories. Spring semester.

498 Senior Seminar (2 credits). Required of all senior English majors. Prerequisite: Senior standing in English or consent of Department Chairperson. Spring semester.

HU HUMANITIES

207, 208 Introduction to Humanities (3 credits). Definitions and redifinitions of culture: man's pursuit of meaning in literature, art, music, and drama. The origins, limits, and uses of creative arts. The exploration of self, society, and the world through illusion. The humanities and the scientific imagination. "High" culture and "mass" culture. Prerequisite: English 102 or consent of Department Chairman. Each semester.

LI LINGUISTICS

395 Introduction to Language Studies (3 credits). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, and communication theory. Prerequisite: English 102 or consent of Department Chairman. Fall semester.

397 Applied English Linguistics (3 credits). Application of linguistic theory and concepts to the teaching of English grammar and composition. Analysis of specific problems of structural and transformational interpretation. Examination of texts and materials, reports on pertinent articles in professional journals and demonstrations. For teachers or prospective teachers of secondary schools. Prerequisite: LI-305 or consent of Department Chairman. Spring semester.

399 History of the English Language (3 credits). 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. Prerequisite: LI-305 or consent of Department Chairman. Spring semester.

405 Modern English Structure (3 credits). An approach to modern English based on linguistic principles; the course will cover English phonology, morphology, and syntax with transformational emphasis, but including a survey of traditional structural, and newly developing theories of grammar. Prerequisite: LI-305, or consent of Department Chairman. Either semester, alternate years. To be offered 1981/82.

407 Applied Linguistics in Teaching English as a Second Language (3 credits). This course is designed to help teachers in the bilingual classroom or teachers of student of limited proficiency in speaking English to understand and 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. Prerequisite: LI 305. Spring semester, alternate years. To be offered, 1981/82.

DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURE

Chairman and Associate Professor: Dr. John B. Robertson, Professors: Jocums, Valverde, Associate Professors: Jose, Schoonover, Emeriti: Power, deNeufville.

REQUIREMENTS OF FOREIGN LANGUAGE CANDIDATES

Bachelor of Arts Degree

Completion of general university requirements for the Bachelor of Arts. (See pages 25-27.)

GERMAN MAJOR, B.A. Option

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 procedure.

2. The program has a minimum of 36 semester hours of upper division work, 30 credits must be in German and 12 credit hours of these 30 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 advisor and the department chairman.

5. The candidate must demonstrate his or her level of language competency in German on the MLA or equivalent examination during the last semester in the program.

GERMAN MAJOR, B.A. with Teaching Option

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 School of Education, Part VI.
2. From among the courses provided to complete 30 credit hours in German, the candidate must include: 6 credits of advanced conversation and composition and 6 credits of culture and civilization.

3. The candidate must successfully complete the foreign language methods course, FL 412. G 410 is recommended.

GERMAN, Teaching Option with a minor endorsement.
(21 credit hours)

Students wishing a minor endorsement in German must have completed the following:
1. Demonstrate competence equivalent to the completion of elementary (G101-102) and intermediate (G201-202) German—16 credit hours, either by course work or by placement/challenge procedure, prior to beginning the option.
2. Advanced German Conversation and Composition (G303, G304), 6 credits.
3. German Culture and Civilization (G376, G377 or G475), 6 credits.
4. Selected from any German literature course, 6 credits.
5. Teaching Methodology in foreign languages (FL412), 3 credits.
6. The candidate must demonstrate his or her level of language competency in German on a standardized examination during the last semester in the program.

SPANISH MAJOR, B.A. Option
1. To begin the program for the B.A. in Spanish, the student must demonstrate competency in Spanish equivalent to the completion of elementary (S101-102) and intermediate (S201-202) Spanish—16 credit hours. Completion must be demonstrated either by examination or course work.
2. The program has a minimum of 36 semester hours of upper division work, 30 credits must be in Spanish and 12 credit hours of these 30 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 chairperson.
5. The candidate must demonstrate his or her level of language competency in Spanish language and civilization on the MLA or equivalent examination during the last semester in the program.

SPANISH MAJOR, B.A. with Teaching Option
In addition to meeting the requirements for the B.A. in Spanish, the candidate for a teaching endorsement must complete the following:
1. Requirements in the School of Education as indicated in Part VI.
2. From among the courses provided to complete 30 credit hours in Spanish, the candidate must include: 6 credit hours of advanced conversation and composition and 6 credits of culture and civilization (specifically S376 and S377). S475 may be substituted for either S376 or S377 but both peninsular Spanish civilization and Latin American Civilization must be represented.
3. The candidate must successfully complete applied Spanish linguistics, (S410) and the foreign language methods course, FL 412.
4. The candidate must also take, in addition to the Language and culture section, the teaching methodology & linguistics section of the MLA Proficiency Exam.

SPANISH, Teaching Option with a minor endorsement
(23 credit hours)

Students wishing a minor endorsement in Spanish must have completed the following:
1. Demonstrate competency equivalent to the completion of elementary (S101-102) and intermediate (S201-202) Spanish—16 credit hours, either by taking the courses or by examination, prior to beginning the option.

2. Advanced Spanish Conversation and Composition (S303, S304), 6 credits.
3. Spanish and Spanish-American Culture and Civilization (S376 & S377), 6 credits. S475 may be substituted for either S376 or S377 but both peninsular Spanish civilization and Latin American Civilization must be represented.
4. Selected from any Spanish literature course, 6 credits.
5. Applied linguistics in Spanish (S410) 3 credits and Teaching methodology in foreign languages (FL 412) 3 credits.
6. The candidate must demonstrate his or her level of language Civilization, linguistic and pedagogy competency in Spanish on a standardized examination during the last semester in the program.

FRENCH, Teaching Option with a minor endorsement.
(21 credit hours)

Students wishing a minor endorsement in French must have completed the following:
1. Demonstrate competency equivalent to the completion of elementary (F101-102) and intermediate (F201-202) French—16 credit hours, either by course work or by examination, before beginning the option.
2. Advanced French Conversation and Composition (F303 & F304), 6 credits.
3. French Culture and Civilization (F376 & F377), 6 credits.
4. French literature, 6 credits.
5. Teaching Methodology in foreign languages (FL412), 3 credits.
6. The candidate must demonstrate his or her level of language competency in French on a standardized examination during the last semester in the program.

PLACEMENT TEST

Students with prior experience in a second language which exceeds the equivalent of one year of high school second language instruction, must take the foreign language placement test before enrolling. This test is administered prior to each semester. Please check the BSU Fall & Spring Calendars for specific times. Placement into the proper course will be made on the basis of placement test results in consultation with departmental advisors.

A student with competence in a language other than English may receive up to 16 credits in that language upon successful completion of one of the following:


b. Successfully complete a course for which there is a second language prerequisite, see BSU Bulletin, page 22.

c. Demonstrate level of competence by a recognized test:
   1. national test such as MLA, FSI, CLEP or
   2. as administered through another university with recognized authorities in the language being tested, and certified in writing by that authority. And, with this option, the student shall also follow the administrative steps for a regular challenge; see BSU Bulletin, page 20.

The Department of Foreign Languages and Literature will provide a certificate of competence in a second language based on demonstrated ability in that language. The department particularly encourages students not taking degrees in foreign language to seek second language certificates which may be placed in the placement bureau dossier for reference to future employers.

COURSES

FL FOREIGN LANGUAGE

412 Teaching Methodology in Foreign Languages (3 credits). This course is designed for prospective and practicing Foreign Language teachers. Theoretical discussions of various problems and trends in language learning will be applied to practical issues in order to illustrate how the proposed activities and techniques can facilitate language acquisition. Emphasis on an evaluation of Foreign Language objectivity, methods of instruction, and culture content, with special reference to classroom settings and interaction, testing and evaluation, educational media and language laboratory, resources and bibliography. Each student is encouraged to develop innovative and creative means of teaching. Local foreign language, secondary classrooms will be visited. Final grade based on: Class contribution, readings, written projects, practicum, and final examination (in all of which a foreign language competency is assumed). Prerequisites: a minimum
SCHOOL OF ARTS & SCIENCE

FRENCH

LOWER DIVISION

101-102 Elementary French (4 credits each). These two courses provide the opportunity to develop functional competency in understanding, reading, writing and speaking French. Students will read cultural units, listen to authentic and compose essays, art, music, and cultural texts. Prerequisite: F 101 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered Fall 1980.

331 Introduction to German Literature and Literary Studies (3 credits). Major and minor periods provide samples from various genres and an overview of German literary development. The course is intended for liberal arts majors and can be done in language laboratory or student may have own cassette player. Students must enroll in 101 for credit if they have had more than one year of high school German or equivalent, but may do so with permission of the instructor. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered Fall 1980.

415 Die Aufklärung und der Sturm und Drang (18th Century) (3 credits). Essays, plays, poems and prose offer the student and the instructor an overview of the literary and intellectual ferment marking the Enlightenment and the "Sturm und Drang." Readings will selected from the works of M.W. von Kant, A. v. Hoffmann, A. v. Goethe, F. v. Schiller, J. v. Herder, A. v. Mommsen, M.R. Lenz, the early Goethe and Schiller and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in Spring 1982.

435 Reaktion: liberal and konservative (19th Century) (3 credits). Readings select the student and instructor to compare a wide cross-section of German authors of the 19th Century. Readings for the works of Büchner, the "Young Germans", Grillparzer, Hebbel, A. v. Kolisch, v. Keler, Stifter, Stumpf, F. v. Meyer, and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered Fall 1980.

445 Die moderne Zeit beginnt (1890-1945) (3 credits). "Ism's," trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neues Sachlichkelt, Bunt und Boden, Literature, and Exile Literature. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in Fall, 1981.

455 "Ala der Krieg zu Ende war..." (1945-present) (3 credits). 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. Austian, East German, Swiss and West German writers. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in Spring, 1982.

475 Die deutschsprachige Welt von heute (3 credits). 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. Prerequisite: G 376 or G 377 or G 304, or permission of instructor. Offered in alternate academic years. Offered in Fall, 1980.

488 Senior Seminar (3 credits). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originated as the senior thesis. The research culminates in a paper to be presented to the seminar. Prerequisite: Senior standing or permission of instructor. Offered in Spring, 1981.

GR GREEK

LOWER DIVISION

101-102 Greek Language & Literature (3 credits/semester). 6 credits. An intensive, one year, introductory course intended to provide the university student with a basic reading ability in the ancient Greek language, and a basic knowledge of the forms and variety of ancient classical and Christian Greek literature. In the first semester, the vocabulary, forms, syntax of the language is learned, with most instructional time being exercised in periods excerpted from the ancient authors. In the second semester, the grammatical survey is completed, while translation and analysis of extended pegan and Christian texts is undertaken. The course illustrates the debt of modern languages to Greek. Offered in alternate years.

UPPER DIVISION

203 Advanced German Conversation and Composition (3 credits). A continuation of G 202 with the same basic objectives. However, closer attention paid to style and free com- position. Newspapers, magazines, reviews and reports, documents and essays, films, tapes and slides form the basis of class work. Lab work and frequent written compositions required. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered Fall 1980.

210 Introduction to German Language and Literary Studies (3 credits). Prerequisite: 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered Fall 1980.
undertaken. Etymological study throughout the course illustrates the debt of modern languages — particularly English and the Romance tongues — to Latin. Offered in alternate years.

R RUSSIAN

181-102 Elementary Russian (4 credits). This course is designed to develop the beginning student's abilities in understanding, speaking, reading, and writing Russian. Classes meet 4 times a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Fall and Spring semester. Offered in alternate academic years.

S SPANISH

LOWER DIVISION

181-102 Elementary Spanish (4 credits). Designed to develop abilities in understanding, speaking, reading, and writing Spanish. Offered in a basic course on grammatical structure and vocabulary. Readings and audiolingual activities introduce the student to the Hispanic culture. Minimum of 1 hour lab work and 4 contact class hours per week each semester. Students may not enroll in 101 for credit if they have had more than one year of high school Spanish or equivalent. With permission of the instructor, it is possible for a student enrolled in S 102 and who lacks adequate preparation to drop back to 101.

201-202 Intermediate Spanish (4 credits). Intended to further develop Spanish language skills, both oral and written. Intensive review of fundamentals of structure and vocabulary. Topics for conversation, reading, and writing focus upon culture of the Hispanic countries. Minimum 1 hour lab work and 4 class contact hours per week. Prerequisite: S 102 or equivalent as determined by placement examination and consultation.

UPPER DIVISION

303 Advanced Spanish Conversation and Composition (3 credits). A practical course to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. The course offers an analysis of grammar and expansion of vocabulary through cultural and literary readings. Discussion of topics related to Hispanic contemporary trends, current events, everyday life, and other themes of immediate concern to the student. Prerequisite: 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in Spring 1982.

304 Advanced Spanish Conversation and Composition (3 credits). Designed to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Discussion of topics related to contemporary Hispanic world, and other areas of immediate concern to the student. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in Summer 1983.

331 Introduction to Hispanic Literatures and Literary Analysis (3 credits). A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary criticism, interpretation and criticism, using as models some of the major works of Hispanic literature. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Each fall.

375 Cultura y Civilización Española (3 credits). Spanish civilization from earliest Iberian beginnings to the present. Special attention given to contributions of Spain to Western world. Discussed and conducted in Spanish. Recommended literature in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in Fall 1980.

385 La Gente Mexicana-Americana en los Estados Unidos (3 credits). A bicultural approach to the teaching of the Spanish language. Functional application of linguistic theory to foreign language teaching and learning practices with emphasis on the analysis of the ways in which the language is used in traditional, descriptive, and transformational models deal with the system in the areas of phonology, morphology, and syntax. Required of all Spanish majors. Liberal Arts Emphasis. Prerequisite: S 304 or permission of instructor. Offered in alternate years.

408 Language and Geophysics

Chairman Professor: Dr. Monte D. Wilson; Professors: Hollenbaugh, Spinosa, Warner, Wilson; Associate Professor: Donaldson, Hardyman, Wood; Assistant Professor: Delisto; Research Associate: Saunders.

The Department of Geology and Geophysics provides four degree programs: 1) Bachelor of Science in Geology, 2) Bachelor of Science in Geophysics, 3) Bachelor of Science in Earth Science Education, and 4) Master of Science in Secondary Education, Earth Science Emphasis. Non-degree course offerings in Geography meet the 15 credit requirement under the 30-15-15 Social Sciences Secondary Education Degree Program offered in the departments of Economics, History, Political Science, and Societal and Urban Studies.

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

The program leading to the B.S. degree in Geophysics is designed for those students who would like to pursue a career in applied geophysics or who plan to attend graduate school. The need for geophysicists has grown greatly in recent years with the increased emphasis on quantitative geosciences. The curriculum offers a broad background drawing on courses in geology, math, chemistry and physics to support the geophysics courses offering the student well equipped to find employment or to attend graduate school.

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

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

It is strongly recommended that high school students who plan to enter the geology, geophysics, or earth science program include chemistry, physics, and as much mathematics as possible in their high school program.

GEOL OGY MAJOR
(Bachelor of Science Requirements)

1. General University and Baccalaureate Degree Requirements. See pages 24-26 for Graduation Requirements.

2. Major Requirements

A. Geology
Physical Geology 4
Historical Geology 4
Mineralogy 4
Petrology 4
Sedimentology 4
Stratigraphy 3
Structural Geology 4
Invertebrate Paleontology 4
Field Geology 4
Geology Seminar 1
Geology electives to total 45 credits

B. College Chemistry 9

C. General Physics 8

D. Mathematics through M-204 10

E. Recommended Electives 15

Life Science
Geography
Technical Writing
Mathematics
Economics

GEOLOGY MAJOR
(Suggested Program)

FRESHMAN YEAR:

1ST SEM. 2ND SEM.
English Composition 3 3
Physical Geology 4 —
Historical Geology — 4
Mathematics 5 5
College Chemistry 4 5
16 17

SOPHOMORE YEAR:

1ST SEM. 2ND SEM.
Mineralogy 4 —
Petroleum 4 —
General Physics 4 4
Degree Requirements 3 3
Electives 4 4
15 15

JUNIOR YEAR:

1ST SEM. 2ND SEM.
Sedimentology 4 —
Stratigraphy 4 —
Structural Geology 4 —
Paleontology 4 —
Degree Requirements 5 6
Electives 8 —
17 17

SENIOR YEAR:

1ST SEM. 2ND SEM.
Field Geology 4 —
Seminar 1 —
Degree Requirements 3 3
Upper Division Electives 6 3

Upper Division Electives in Geology 6 6

EARTH SCIENCE EDUCATION MAJOR
(Bachelor of Science Requirements)

1. General College and Baccalaureate Degree Requirements. See pages 24-26 for Graduation Requirements.

2. Major Requirements

A. Geology

Physical Geology 4
Historical Geology 4
Introduction to Ocean Geology 3
Meteorology 3
Geology Seminar 1
Geomorphology 3
Geology electives to total 30 credits

B. College Chemistry 9

C. General Physics or General Biology 8

D. Mathematics through M-204 10

E. Astronomy 4

F. Recommended Electives 6-8

Geography
Communication
Foreign Language
Life Science
Mathematics

3. Education Requirements

The following are required for Secondary Teaching Certification in Idaho:

Foundations of Education 3
Educational Psychology 3
Secondary School Methods 3
Secondary Student Teaching 6
Education Electives 5

EARTH SCIENCE EDUCATION MAJOR
(Suggested Program)

FRESHMAN YEAR:

1ST SEM. 2ND SEM.
English Composition 3 3
Physical Geology 4 —
Historical Geology — 4
Mathematics 5 5
College Chemistry 4 5
16 17

SOPHOMORE YEAR:

1ST SEM. 2ND SEM.
Foundations of Education 3 —
Geography 4 —
General Physics or General Biology 4 4
Intro to Ocean Geology — 3
Meteorology 3 —
General Psychology — 3
Degree Requirements 6 —
Astronomy 4 —
16 17

JUNIOR YEAR:

1ST SEM. 2ND SEM.
Upper Division Geology 4 4
Degree Requirements 3 6
Upper Division Electives 7 6
Geomorphology — 3
17 16

SENIOR YEAR:

1ST SEM. 2ND SEM.
Educational Psychology — 3
Upper Division Geology 6 —
Seminar 1 —
Secondary School Methods — 3
Secondary Student Teaching — 3
Education Electives 3 —
Upper Division Electives 6 —
Audio Visual Aids 2 —
16 14
SENIOR YEAR:
1. General college and baccalaureate degree requirements.

2. Major requirements:
   A. Geophysics
   Introduction to Geophysics 16
   Physics of the Earth, 3
   Geophysics I & II, 3
   Physiology I & II, 27
   Physical Geology 4
   Historical Geology 4
   Mineralogy 4
   Petrology 4
   Stratigraphy 4
   Structural Geology 4
   Field Geology 4
  B. Chemistry
   College Chemistry 9
   College Chemistry 9
  D. Physics
   Physics I, II, III and labs 14
   Electricity and Magnetism (Ph-381) 3
   M-204, 205, 206 13
   Advanced Engineering Math (M-321) 4
   M-124 or EN-104 2
   F. Recommended electives 16
   Physics PH-301, 392 1
   Chemistry C-321, 322 2
   Engineering EN-221, 223 1
   Economics 1
   Geology GO-403, 412, 421; 431

GEOPHYSICS MAJOR
(Bachelor of Science Requirements)

FRESHMAN YEAR:
1ST SEM. 2ND SEM.
Physics I 3
Physical Geology 4
Calculus & Anal. Geometry 5
Physics I 4
English Composition 3
Historical Geology 4
Digital Comp. Programming 2

Sophomore Year:
1ST SEM. 2ND SEM.
Calculus & Anal. Geometry 4
Advanced Eng. Math 4
Physics II & III 3
Physics Lab 3
Mineralogy 4
Petrology 4
Intro to Geophysics 6
Area I & II Requirements 6

JUNIOR YEAR:
1ST SEM. 2ND SEM.
Structural Geology 4
Stratigraphy 3
Physics of the Earth 3
Area I & II Requirements 6
Unrestricted electives 3

SENIOR YEAR:
1ST SEM. 2ND SEM.
Applied Geophysics I & II 5
Field Geology 5
Electricity & Magnetism 4
Unrestricted electives 3
Area I & II Requirements 3

COURSES

GO GEOLOGY

LOWER DIVISION

106 Fundamentals of Geology (4 credits).
An introduction to the principles of physical and historical geology. Topics include weathering, erosion, glaciation, earthquakes, the study of rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in geological sciences. Five or more credit hours and those non-majors and those non-majors in an 8-hour sequence in geology. Three lectures and one two-hour lab per week. Each semester.

101 Physical Geology (4 credits).
A study of the origin and development of the earth's materials, land forms, internal structures, and the physical processes acting on and introducing continuous change. Topics include weather, erosion, glaciation, volcanism, metamorphism and igneous activity, mountain building, earthquakes, and the origin of continents, ocean basins, and landscapes. The laboratory provides instruction in the use of rocks and minerals, and the use of topographic and geologic maps. Three lectures and one two-hour laboratory per week. Field trips required. Each semester.

102 Historical Geology (4 credits).
A study of the origin and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. Three lectures and one three-hour laboratory per week. Prerequisite: Physical Geology. Each semester.

105 Rocks and Minerals (3 credits).
A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory section are a part of the course for those taking the class for credit. Prerequisite: High school chemistry or permission of the instructor. Either semester.

111 Geology of Idaho and the Pacific Northwest (3 credits).

201 Introduction to Ocean Geology (3 credits).
A general study of the physiography, the structure, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Three one-hour lectures per week. Prerequisite: Physical Geology. Spring semester.

213 Introduction to Meteorology (3 credits).
An introduction to the study of weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. Prerequisite: Physical Geology. Three one-hour lectures. Fall semester.

221 Mineralogy (4 credits).
A study of genesis, distribution and classification of minerals. This course is concerned with the study of the physical and chemical properties of minerals. Prerequisite: Historical Geology or concurrent registration in College Chemistry. Fall semester.

222 Petrology (4 credits).
Study of igneous, sedimentary, and metamorphic rocks with emphasis on physical and chemical conditions controlling the origin, occurrence, and association of the various rock types. Field relationships, identification of rocks in hand specimen, and an introduction to microscopic analysis. Three one-hour lectures and one three-hour laboratory per week. Fall semester.

250 Principles of Palentology (3 credits).
A course designed for non-geology majors, especially those planning to teach in the biological sciences. The course provides an overview of the various fields of paleontology. Evolution, taxonomy, and descriptions of the important fossil groups will be stressed. Laboratory periods will be used to study small collections of rocks and to introduce the student to museum techniques of fossil preparation and display. A term paper or project is required. Two one-hour lectures and one three-hour laboratory per week. Prerequisite: Any introductory course in geology, biology, zoology, or botany or consent of the instructor. Either semester.

UPPER DIVISION

311 Sedimentology (4 credits).
A study of the classification of sedimentary rocks and all processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Laboratory work consists of microscopic, chemical and other analyses of sedimentary rocks and a study of the methods and instruments used in interpreting the geological environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Mineralogy. Fall semester.

312 Stratigraphy (3 credits).
The study of sedimentary strata with emphasis on the principles of physical and historical geology. Topics include the study of rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in geological sciences. Five or more credit hours and those non-majors in an 8-hour sequence in geology. Three lectures and one two-hour lab per week. Each semester.

313 Geomorphology (3 credits).
A study of the external physiographic features of the earth's surface such as mountains, valleys, beaches, and rivers and the process by which they are formed and changed. Laboratory work consists of map studies and field investigations. Two lectures and one three-hour laboratory per week. Prerequisite: Historical Geology. Fall semester.

314 Structural Geology (4 credits).
A study of the physical nature of rocks, the origin, description, classification, and interpretation of deformational structures of the earth's crust, and the principal theories of deformation and orogeny. Lab problems in recognition and analysis of geologic structures, the geometry of faults and folds, construction of maps and cross sections, and the use of aerial photos. Field trips. Three lectures and
498, 499 Geology Seminar (1 credit). Research project based on field and/or literature
uisite: Geology major or Earth Science Education major. Each semester.

techiques to the solution of field problems. Work includes measurement and correla-
tor. Spring semester.

471 Regional Field Study and Report Writing (1 credit). This course constitutes library

tioned geological topics relative to a specific region. That region; to
boOk pertaining to variety of geologic topics relative to a specific region. That region; to

412 Groundwater Geology (3 credits). A study of the origin of water found beneath the
earth's surface and the geologic conditions which permit the movement, work, and ac-
cumulation of water in the earth's surface. Emphasis is placed on struc-
tural, and stratigraphic conditions most conducive to the formation of ground water
reservoirs. Three one-hour lectures per week. Prerequisite: Structural Geology and
Stratigraphy. Fall semester.

421 Ore Deposits (3 credits). The genesis, structure, mineral associations and classifica-
tion of economic deposits of minerals. Discussion of modern theories of ore deposition, or
ning and origin of ore-bearing fluids, and the processes of alteration, secondary
enrichment, paragenesis, and zoning. Consideration is given to the controls or ore oc-
currence and to the economics of exploration, development, and use of ores. Three lec-
tures per week. Field trip required. Prerequisites: Mineralogy and structural geology.
Spring semester.

431 Petroleum Geology (3 credits). A study of the nature and origin of petroleum, the
gelogic conditions that determine its migration, accumulation and distribution, and
methods and techniques for prospecting and developing petroleum fields. Two one-
hour lectures per week and one three-hour lab per week. Prerequisites: Structural Geology and

471 Regional Field Study and Report Writing (1 credit). This course constitutes library
research and preparation of reports, geographic maps, road logs, and a field trip guide
book pertaining to variety of geologic topics relative to a specific region. That region; to
be designated at the beginning of the semester, is then visited and studied during a field
trip; the trip is ordinarily taken during the spring semester vacation period. Rocks, rocks,
minerals, and fossils collected during the trip and photographs of specific are
keyed to the guidebook, which is then compiled into final report form. One lecture per
week, field trip required. Prerequisites: Mineralogy and structural geology.

482 Field Geology (4 credits). Application of geologic principles and currently used field
techniques to the solution of field problems. Work includes measurement and correla-
tion of stratigraphic sections, sample tabulation, mapping, geologic mapping on aerial
photographs and morphic terrains. Instruction will be by appropriate specialized geologists. A formal report of professional quality is required. One lecture and three
three-hour field trips. Field trip emphasis is placed on students: Senior standing and
permission of Geology Department Chairman. Spring semester.

488, 489 Geology Seminar (1 credit). Research project based on field and/or literature
studies. Fundamentals of geologic report preparation and oral presentations. Prereq-
quistes: Geology major or Earth Science Education major. Each semester.

GG GEOGRAPHY

LOWER DIVISION

101 Introduction to Geography (3 credits). A comprehensive survey of various envi-
ronments of man in a study of world patterns and major regions with emphasis on the
utilization of globes, interpretation and construction of maps. The course introduces
basic concepts and techniques used in geography, utilization of natural resources, distribution
of population and outstanding problems of each region. Each semester.

102 Cultural Geography (3 credits). Cultural Geography is a study of the distribution
and character of man's cultural activities throughout the world. These activities will be view-
ed in two respects: 1. How culture affects the physical world; 2. How the physical world
affects culture. Lectures, slide presentations, and practical applications of the student's
and appropriate readings, will comprise the course. Prerequisite: Intro to Geography or con-
sent of instructor.

201 The Use and Interpretation of Maps and Globes (3 credits). The course consists in the
interpretation and construction of maps. The intent is to make the students familiar with the
various types of maps and globes available and the particular advantages and disadvantages
of each in particular situations. It is aimed at anyone who might have need of maps and globes, such teachers and students of geography and geology, and other major.
The course is non-technical, in that little math is required. Course materials consist of
sheets, maps, Another class meeting is to review and examine the maps and globes. Prerequisite: consent of the instructor.

211 Geography of Idaho and the Pacific Northwest (3 credits). The course deals with the
physical and cultural geography of the Pacific Northwest, with particular emphasis on
Idaho. Stress is placed on the continuing physical, biological, social, political and

economic changes the region is undergoing. In addition, the role of the Pacific Nor-
west in relation to the rest of the United States is studied. Sources of information available to the student include bibliographic readings from professional journals, the
Idaho Historical Society, and slides, motion pictures and writings of area researchers.

231 Comparative Geography of Canada and Latin America (3 credits). The course is a
comparative study of the natural and cultural geographies of Canada and Latin America.
Comparisons are based on the environment, resources, peoples and potential of each region. Their role in the world, and the interaction of the United States and
the other countries of the world will also be explored. Films, slides, and guest speakers —
with appropriate texts will be used. Prerequisite: Intro to Geography or consent of
structor.

241 Comparative Geography of Africa and the Far East (3 credits). A study of the
physical and cultural geography of Africa and the Far East, with emphasis on the rela-
tionships and changes within these regions. Lecture topics include the various land-
scapes, flora and fauna, peoples and geographical problems. Slide presentations,
overhead transparencies, motion pictures, current researchers and native speakers, as available, are resources for the course. Prerequisite: Intro to Geography or consent of
structor.

UPPER DIVISION

281 Historical Geography of the United States (3 credits). Historical Geography is the
study of the past geography of various pieces or regions. The course graphically reveals
the constant theme of change inherent in both history and geography. Students will ex-
plore the dynamics of geographic change, the historical geography of particular regions
of the earth, and the effects of past geographical circumstances on present geography.
The course uses both geographical and historical resources, including those written by
professional historical geographers. Prerequisite: Historical Geography.

311 World Economics Geography (3 credits). Economic Geography is the study of the
areal distribution and variation of resources and man's activity related to producing, ex-
changing and consuming commodities and products. Economic activities and materials
are considered in the context of where they are located, what their characteristics are, and
also to what national and international phenomena they are related. Prerequisite: GG-101 or
consent of instructor.

321 Population and Natural Resources (3 credits). Resource conservation is a course
aimed at developing the student's awareness of resource use and conservation. The
course has five major thrusts: 1) a perspective on conservation, 2) character of land
resources, 3) character of water resources, 4) mineral resources, 5) the demands of
population on the resource base. These topics may be viewed as a single entity, or as
they act in concert. Prerequisite: GG-101 or consent of the instructor.

GP GEOPHYSICS

UPPER DIVISION

311 Introduction to Geophysics (3 credits). The course is a survey of surface and bore-
hole-based geophysical methods. It will include a general survey of the elementary
theory, basic field practice, computation fundamentals, interpretation techniques and
economic considerations of seismic, gravimetric, magnetic, electrical and borehole
methods. The applicability of the various techniques to the solution of geologic prob-
lems in exploration geology (economic and petroleum), engineering geology and
groundwater geology will be stressed. Spring semester. Prerequisites: Physics 220 and
Geology 101 or consent of instructor.

325 Physics of the Earth (3 credits). The course will include a discussion of the earth's
gravity; magnetism; electricity; seismicity; heat and radioactivity; and the significan-
tance of the polarizing microscope. The interpretation of the origin and history of ig-

321 Conservation of Natural Resources (3 credits). Resource conservation is a course
aimed at developing the student's awareness of resource use and conservation. The
course has five major thrusts: 1) a perspective on conservation, 2) character of land
resources, 3) character of water resources, 4) mineral resources, 5) the demands of
population on the resource base. These topics may be viewed as a single entity, or as
they act in concert. Prerequisite: GG-101 or consent of the instructor.

325 Physics of the Earth (3 credits). The course includes a discussion of the earth's
gravity; magnetism; electricity; seismicity; heat and radioactivity; and the signifi-
tance of the polarizing microscope. The interpretation of the origin and history of ig-

431 Physical Geology (3 credits). A detailed treatment of the application of geo-
physical methods used in petroleum and mineral exploration and geotechnical in-
vestigations. Practical laboratory and field studies will be conducted using geophysical
instruments. Theory, data acquisition, data reduction and data interpretation will be
emphasized. Four one-hour lectures and one three-hour lab. Fall semester.

451 Geology of the Earth (3 credits). A detailed treatment of the application of geo-
physical methods used in petroleum and mineral exploration and geotechnical in-
vestigations. Practical laboratory and field studies will be conducted using geophysical
instruments. Theory, data acquisition, data reduction and data interpretation will be
emphasized. Four one-hour lectures and one three-hour lab. Fall semester.

451 Applied Geophysics I (5 credits). A detailed treatment of the application of geo-
physical methods used in petroleum and mineral exploration and geotechnical in-
vestigations. Practical laboratory and field studies will be conducted using geophysical
instruments. Theory, data acquisition, data reduction and data interpretation will be
emphasized. Four one-hour lectures and one three-hour lab. Fall semester.

452 Applied Geophysics II (5 credits). A continuation of GP-451 with emphasis on field
procedures, equipment array and geophysical surveying techniques. Four one-hour lec-
tures, one three-hour lab and numerous field problems. Spring semester. Prerequisite: GP-

GS GENERAL SCIENCE

305 Teaching Science in the Secondary School (3 credits). A course designed to in-
troduce the prospective secondary school science teacher to an understanding of the
nature of science — both as subject matter and as processes of scientific inquiry. The
implications of this understanding as they related to secondary school science teaching
are explored in depth in terms of methodology, objectives, and evaluation. Special em-
phasis is placed on pre-whole systems, communicating science, and the modes of in-
struction and evaluation, and curriculum materials for secondary school science
learning. Spring semester, alternate years.

381 History of Science (3 credits). This is a survey of man's efforts to understand the
natural world. "Ancient Science" is presented as an introduction to the evolution of
science since the 16th century. "Modern Science" is presented with emphasis on the
development of modern scientific thought. Historical illustrations of the nature of scien-
cific research in the evolution of science are presented. This course may be taken for
either HY or GS credit, but not for both.

DEPARTMENT OF

Chairman and Professor: Dr. Warren L. Vint; Professors: Barrett, Caylor, Lovin, Ourada, Sims, Tozer; Associate Professors: Fleet,
Department of History requires that at least 9 of the 21 history credits be upper division, that 6 hours of the 21 hours be in U.S. history to meet state certification requirements, and that the remaining courses be selected to complement their major.

IV. History Minor Option

Minor certification endorsements for teaching areas are listed in the Bulletin on page 107 of the Department of Teacher Education section within the School of Education division.

COURSES

HY HISTORY

LOWER DIVISION

101, 102, 103 History of Western Civilization (3 credits). First semester. The development of civilization from the dawn of time to 1815. Second semester. The development and expansion of western civilization worldwide since 1815. Each semester.

151, 152 United States History (3 credits). First semester. The history of American civilization from pre-Columbian days to 1776 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. Each semester.

201 Problems in Western Civilization (3 credits). Selected problems in Western Civilization from the Ancient Near East; Greco-Roman, and early Middle Ages with emphasis on the deities of the various religions, the Roman constitution, and some of the great works of art and literature. Open to students who have credit in HY 101. Prerequisite: Course in high school or consent of instructor. Either semester.

202 Problems in Western Civilization (3 credits). Selected problems in Western Civilization from the Middle Ages to 1815 with emphasis on the problems of nation making and religious and political revolutions in Western society. Not open to students who have credit in HY 102. Prerequisite: Course in high school or consent of instructor. Either semester.

203 Problems in Western Civilization (3 credits). Selected problems in Western Civilization from 1815 to the present with emphasis on the problems of nationalism, imperialism, capitalism, socialism, communism, the world wars, and the post war world. Not open to students who have credit in HY 103. Prerequisite: Course in high school or consent of instructor. Either semester.

204 Lewis and Clark (2 credits). A survey of the "Corps of Discovery" from Wood River, Illinois, to the ocean and back, with study of the medical, scientific, anthropological, and other aspects of the expedition. Alternate years. Spring semester.

210 Introduction to the Study of History (3 credits). 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 application 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. Either semester.

211 The Study and Methods of Teaching History (3 credits). An introduction to the study of history for those who wish to teach. The course explores the nature of the discipline, includes practical work in historical methods, and deals with the practical problems of uniting teaching methodology with substantive historical knowledge. Required of all history majors-secondary education options, prior to taking any upper division history courses. Either semester.

212 Problems in U.S. History (3 credits). Selected problems in U.S. History from the colonial era through independence, nationalism, Jacksonianism, Civil War and Reconstruction. Not open to students who have credit in HY 102. Prerequisite: Course in high school or consent of instructor. Fall semester.

252 Problems in U.S. History (3 credits). Selected problems in U.S. History from the rise of industry and labor through populism, imperialism, progressivism, world war, depression, and world leadership. Not open to students who have credit in HY 152. Prerequisite: Course in high school or consent of instructor. Spring semester.

261 History of Minorities in the United States (3 credits). This course is designed for students who wish to study the problems encountered by ethnic minorities in their quest for equal opportunity and equal rights in American society. Public opinion and the national response within the framework of American History will be emphasized. Current legislation, judiciary proceedings, and power movements will also be studied. Either semester.

298 American Heritage (2 credits). An introductory course to an Eastern seaboard trip, providing a survey of the early and contemporary contributions to our American heritage. Historical and governmental sites to be visited include Washington, D.C., and New York City. The credit allowance in this course is subject to the student's participation in the tour and doing the required work. The course is open on an audit basis for other interested students. Spring semester or Summer.

UPPER DIVISION

283 The Age of Absolutism and Reason (3 credits). A study of European thought in the seventeenth and eighteenth centuries: The Age of Absolutism, ideas of the philosophers, and the crises of the old regime leading to revolution. Prerequisite: HY 102 or consent of instructor. Suggested additional preparation, HY 101. Either semester, alternate years.

287 Modern Germany (3 credits). 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 103 recommended. Either semester, alternate years.
338 France Since the Revolution (3 credits). The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the first Republic by Charles de Gaulle. HY 103 recommended. Either semester, alternate years.

339 The Renaissance (3 credits). A study of European society, economic development, artistic expression and humanism, and political concepts, with attention to both the Renaissance in Italy and in the North. Prerequisite: HY 102 or consent of instructor. Either semester, alternate years.

340 The Reformation (3 credits). Survey of Church-State relationships to include the Babylonian Captivity, the Great Schism, the impact of the national state, and the theological and political views of the reformers from Luther to the Council of Trent. Consideration will be given to the world wide impact of Protestantism, the Catholic Reformation, and dissentant minority sects. Prerequisite: HY 102 or consent of instructor. Either semester, alternate years.

311, 312 History of England (3 credits). First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1668. Second semester: Great Britain from the seventeenth century to the present. Either semester, alternate years.

313, 314 History of Russia (3 credits). First semester: Survey of the origins and development of the Kievan and Muscovite states to the eighteenth century. Second semester: A study of the major cultural and economic institutions as well as the growth of political power from the state of the eighteenth century to the present. HY 102, HY 103, HY 313 recommended. Either semester, alternate years.

315, 316 History of the Far East (3 credits). First semester: Survey of the history of China, Japan, Korea and Viet Nam to ca. 1600, emphasizing their cultural development. Second semester: A study of the political, economic and cultural development of Asia from 1600 to the present as a result of its interaction with the West after 1600. Either semester, alternate years.

319 Ancient Greece (3 credits). 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. Political, economic, and cultural development are studied with special emphasis given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing and visual arts. Prerequisite: HY 101, or Instructor's consent. Either semester, alternate years.

325 Ancient Rome (3 credits). 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, outstand ing literary works, and artistic achievements. Prerequisite: HY 101 or instructor's consent. Spring semester, alternate years.

322 Early Christianity (3 credits). 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 from the time of Constantine to St. Augustine are analyzed through the media of early Christian, contemporary pagan writings and artistic remains. Prerequisite: HY 101, or consent of instructor. Fall semester, alternate years.

324 Medieval Europe (3 credits). 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. Prerequisite: HY 101, or Instructor's consent. Spring semester, alternate years.

331 The Islamic Middle East (3 credits). 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. The highlights of the period include the development of a capitalism, international trade, the age of European exploration, and the age of European imperialism. HY 103 recommended. Spring semester, alternate years.

332 The Modern Middle East (3 credits). 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, Islamic, Arab and Israeli nationalism. HY 103 recommended. Spring semester, alternate years.

333 History of Sports and the American Ideal (3 credits). The course traces the historical development of sport in America and its socioeconomic impact on American society. It explores sporting interests from aboriginal America to the present with emphasis on those sports that have become national pastimes. The area of sport is placed within the context of American thought and the social milieu of the nation. Either semester.

334 United States Social and Cultural History (3 credits). Selected social and cultural themes of the historical times in the present. Attention will be given to the nature and meaning of the United States national experience by examining customs, traditions and intellectual developments in their historical context. HY 151, 152 recommended. Either semester, alternate years.

335 Diplomatic History of the United States (3 credits). Development of diplomacy from the formation 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. Either semester, alternate years.

336 United States Constitutional History (3 credits). A study of origins, writing and development of the American Constitution, from colonial charters, through the Constitu tional Convention, John Adams and the Industrial Development, Pro gressivism, World Wars, Cold War, and the Warren Court. Considerable emphasis is placed on the role of the Supreme Court. Prerequisite: HY 151, 152 or consent of instruc tor. Fall semester, alternate years.

338 History of Ireland (3 credits). 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. Either semester, offered annually.

351 Colonial America (3 credits). Colonial rivalry in North America: an investigation of the political organizations, social institutions, economic development, and the war for American independence. Prerequisite: HY 151 or consent of instructor. Fall semester.

353 The National Era, 1815-1848 (3 credits). The development of American nationalism; the Era of Good Feelings; the emergence of Jacksonian Democracy; Manifest Destiny; the Mexican War; the Civil War; Grant. Prerequisite: HY 151 or consent of instructor. Spring semester.

354 Civil War and Reconstruction (3 credits). A study of the origins of the conflict between the states, the encounter and the problems of reunification. Prerequisite: HY 151 or consent of instructor. Either semester, alternate years.

355 Western America (3 credits). The frontier as a region in transit from the Atlantic seaboard to the Pacific. Emphasis will be on the migration of people in the Trans Mississippi West. HY 151 recommended. Either semester, alternate years.

356 The Indian in American History (3 credits). Examination of the Indian's role in American history and the impact of white society on Indian culture. The course investigates early Indian-white contacts, the development of European rivalries in North America and the Indian's part in these rivalries, and the origins of United States Indian policy. Consideration of the current Indian dilemma is studied. Opportunity is provided for the pursuit of in-depth individual study. Prerequisite: Upper Division standing or completion of HY 151-152. Either semester, alternate years.

357 Idaho and the Pacific Northwest (3 credits). Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs, and institutions of Idaho. HY 151 recommended. Either semester.

358 Emergence of Modern America, 1877-1917 (3 credits). The industrial growth of the United States: emergence as a world power; Roosevelt, Wilson, and the Progressive Era. Prerequisite: HY 152 or consent of instructor.

359 Recent United States, 1917 to Present (3 credits). Versailles and post-war disillusionment; boom and bust of the 20's; the Great Depression and FDR's New Deal; reappraisals and continuations of World War II and its aftermath. HY 152 recommended. Spring semester, alternate years.

367 Colonial Spanish America (3 credits). The development of distinctive Spanish American societies through the merging of medieval Spanish with American cultural traits and Middle Eastern, Amerindian and other elements as part of the framework of European rivalries. The course concludes with the independence wars of the early nineteenth century. Prerequisite: HY 152. Fall semester, alternate years.

368 Spanish American Nations (3 credits). The struggle towards democracy, economic progress and political stability of Spanish American nations since their achievement of independence. Emphasis is on the Andean, Middle American and Caribbean areas, including their relationships with the United States. Prerequisite: HY 367. Spring semester, alternate years.

380 Colloquium in U.S. History (3 credits). Intensive studies of a particular period, topic or problem in U.S. history. Reading and discussion format. Consult current class schedule for specific sections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing or completion of HY 151-152. Either semester.

381 Colloquium in European History (3 credits). Intensive studies of a particular period, topic or problem in European history. Reading and discussion format. Consult current class schedule for specific sections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing or completion of HY 151-152. Either semester.

417 United States Economic History (3 credits). Major factors in the economic growth and development of the United States from colonial times to the present. The development of the major economic sectors such as agriculture, mining, and manufacturing. Emphasis is given to the interaction of economic factors and other aspects of American society. Prerequisites: Economics EC 201 and EC 202, or permission of Instructor. May be taken for History or Economics credit, but not for both. Either semester.

422 History of Socialism (3 credits). The course will examine the history of egalitarian revolutionaries and movements of the nineteenth and twentieth centuries. Emphasis will be given to the development of the ideas of Karl Marx, his predecessors and successors. Either semester, alternate years.

423g European Diplomatic History 1871-Present (3 credits). A consideration of the major jor questions affecting the international relations of the major European countries from 1870 to the present; the search for security after the creation of the nation of Germany; the potential collapse of the Ottoman Turkish Empire; European imperialism in Africa and Asia; the origin of the Alliance system; the coming of World War One; the search for security in the 1920's, the coming of World War Two; and the origins of the Cold War; as European diplomacy merges into world diplomacy. Fall or Spring, alternate years.

424 Tudor-Stuart England (3 credits). England during the reigns of the Tudor and Stuart monarchs of England. Among the developments in England to be treated: monarchy and the development of parliamentary government; the rise of the middle class in England; exploration and colonization, the beginnings of the British Empire; the religious changes and social conflicts in England; cultural developments in England. Spring semester, alternate years.

468 History of Mexico (3 credits). Cultural, social, political and economic factors affecting the historical development of the Republic of Mexico. The course is divided into three major components: (a) Historical development of Mexico from the pre-colonial period to the Wars of Independence; (b) From nationalization to the Mexican Revolution of 1910; (c) The revolutions and the Mexican Revolution of 1910 and the development of indigenous institutions will be the focus of this section; (d) The Mexican Revolution to the present; and (e) the analysis and presentation of Mexican Revolutionary Movements in the 19th and 20th centuries. Spring semester, alternate years.

480 Seminar in U. S. History (3 credits). Critical analysis of source materials and historical interpretive scope topic. Involves the collection and presentation of research papers. Consult current class schedule for specific sections offered each term. Seminar may be repeated. Prerequisite: Upper Division standing.
DEPARTMENT OF HOME ECONOMICS

Chairman and Associate Professor: Dr. Leda S. Scrimsher; Associate Professors: Long, Swain; Instructor: Johnson.

The objective of the department of home economics is to provide education of high quality for each of the student categories listed below:

A. Students who expect to obtain a baccalaureate degree with a major in home economics (we are awaiting approval of a four-year degree program).
B. Students from other disciplines who choose to minor in home economics. Twenty-six hours of credit in home economics may be earned and applied to one's minor.
C. Students from other disciplines who will benefit from courses in home economics, such as students in Fashion Merchandising, Nursing and Interior Decorating.
D. Students who appreciate the wide offering of subject matter in home economics and can enjoy the opportunities for creative activity provided in selecting electives from this field.
E. Students who are interested in preparing for homemaking as a career.
F. Students who are not primarily interested in credit but in the development of skills, such as those enrolled in our night program.

The curriculum outlined is designed for those students who are interested in a professional career in home economics. Students will learn skills and values which will enable individuals and families to be more economical with resources available to them in our country today. Students whose interest is the development of understanding and skills which will contribute to the well-being of the individual, family and community are not required to register for laboratory science.

HOME ECONOMICS CURRICULUM

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Laboratory Science</td>
<td>4</td>
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<tr>
<td>English Composition</td>
<td>3</td>
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<tr>
<td>Introduction to Home Economics</td>
<td>3</td>
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<tr>
<td>Clothing</td>
<td>3</td>
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<td>Art</td>
<td>2</td>
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<td>Textiles</td>
<td>2</td>
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<tr>
<td>Physical Education Activities</td>
<td>1</td>
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<tr>
<td>Clothing &amp; the Individual</td>
<td>2</td>
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<tr>
<td>Electives</td>
<td>15</td>
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</tbody>
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SOPHOMORE YEAR:

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<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>House Planning</td>
<td>4</td>
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<tr>
<td>Food &amp; the Individual</td>
<td>3</td>
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<tr>
<td>Home Furnishings</td>
<td>3</td>
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<tr>
<td>Nutrition</td>
<td>3</td>
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<tr>
<td>Social Science (History, Political Science)</td>
<td>3</td>
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<td>Microbiology</td>
<td>3</td>
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<td>Human Physiology and Anatomy</td>
<td>3</td>
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<td>Psychology</td>
<td>3</td>
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<tr>
<td>Introduction to Sociology</td>
<td>1</td>
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<tr>
<td>&quot;Electives&quot;</td>
<td>17</td>
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</table>

COURSES

HE HOME ECONOMICS

LOWER DIVISION

101 Introduction to Home Economics (1 credit). Designed to acquaint the freshman student with the field of home economics. Emphasis on opportunities in the professional fields, organization of program, choice of vocation, personal qualifications for living and working with people. One hour discussion each week. Fall semester.

103 Clothing Construction (3 credits). Designed for students interested in clothing construction involving basic, intermediate and advanced projects selected according to the students' creativity, ability, and interest. There will be emphasis on current speed techniques and solution of individual fitting problems. One hour lecture and two 3-hour laboratory periods each week. Each semester.

107 Clothing and The Individual (2 credits). A study of the sociological and psychological foundations of clothing selection emphasizing principles of design as related to the individual's figure proportions, personality and need. Study of selection, purchase and care of ready-to-wear apparel, fabrics and accessories. Two hours lecture per week. Each semester.

109 Textiles (3 credits). Study of material and synthetic textile fibers, yarns and fabrics, selection of appropriate fabrics for various uses, considering wearing qualities and care required. Study will also be made of the relationship of raw materials, construction, and finish to quality and cost. Major textile laws and regulations will also be considered. Two hours lecture and one 2-hour laboratory each week. Spring semester.

111 Fashion Analysis and Design (2 credits). A course designed for the study of costume throughout history and the effects of today's fashions, a comprehensive study of design and its functional role; analyses of the figure and how to solve related problems through design, fabric selection and color. Contributions of fashion designers and opportunities in designing and related fields will also be studied. Two hours lecture each week. Fall semester.

203 House Planning (3 credits). Basic considerations in house planning for economy, comfort, convenience, and evaluation of plans in relation to family needs, interior and exterior design, materials, financing and methods of construction. Housing in relation to the family and community. Three hours lecture each week. Spring semester.

207 Nutrition (3 credits). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Three lectures each week. Open to all students. Fall semester.

208 Food and the Individual (4 credits). A lecture, lab class in which assessment is made of the interrelationships of the nutritive value of foods, principles of food preparation and the human body. Laboratory experience includes approved techniques of food preparation and the human body. Laboratory experience includes approved techniques of food preparation to retain nutrients and enhance aesthetic qualities. Sanitary standards will be stressed. Theories for handling food products will be stressed. Effect of use of material, time, energy and money will also be studied. Prerequisite: HE-207 or may be taken concurrently. Two hours lecture and two 3-hour laboratory periods each week. Fall semester.

225 Parenthood and Child Development (3 credits). This course is planning home interiors. Study consists of analysis of life styles, basic needs, space division, color and design, furniture selection, floor coverings, major structural elements and enrichment. The extended environment and historical heritage are also studied. Prerequisite: AR-105. Three hours lecture each week. Fall semester.

230 Tailoring (3 credits). Basic principles used in garment construction applied through actual construction of a suit, coat or pants suit. At least one garment done using wool; other garment could be a choice between knit or woven fabric. Commonfitting problems are studied and solutions derived. A personal master pattern is developed to fit student's personal needs. Current speed techniques are stressed. Prerequisite: HE-103, HE-107, HE-109. Two 3-hour laboratory periods each week. Spring semester.

235 Home Furnishings and Interior Design (3 credits). The primary emphasis of the course is planning home interiors. Study consists of analysis of life styles, basic needs, space division, color and design, furniture selection, floor coverings, major structural elements and enrichment. The extended environment and historical heritage are also studied. Prerequisite: AR-105. Three hours lecture each week. Fall semester.

255 Consumer in the Marketplace (3 credits). A course designed to clarify factors affecting family financial management including purchase of goods and services (food, clothing, autos, furniture, etc.), establishing personal spending plans, use of credit, taxes, and consumer protection. Fall semester.

321 Foods and Other Cultures (3 credits). Regional, ethnic, and religious influences on food patterns. Laboratory experience with food from several countries. To help students acquire a background knowledge of various countries thus enabling them to develop skills necessary to interpret regional, ethnic, and religious influences on food patterns as well as actions. Prerequisite: HE-208 or department consent. Spring semester.

325 Marriage and Family (3 credits). Dating, mate selection, purpose and success in marriage, dynamics of marital adjustment, economics in the family, reproduction, and parenthood. Prerequisite: SO-101. Fall, spring semesters.

DEPARTMENT OF MATHEMATICS

Chairman and Professor: Dr. Charles R. Kerr; Associate Chairman and Associate Professor: Dr. Masaq Sugiyma; Professors: Hughes, Juola, Maloof, Mech, Takeda; Associate Professors:
The Department of Mathematics provides two bachelor's degree programs. The curriculum leading to the bachelor's degree in mathematics is designed for those students whose career interests involve the use of mathematics or who plan to attend graduate school. The curriculum in secondary education is designed to prepare the student to teach mathematics in secondary schools and to meet Idaho teacher certification requirements. The master's program is to provide advanced education for junior and senior high school mathematics teachers.

**REQUIREMENTS FOR MATHEMATICS MAJOR**

**Bachelor of Arts or Bachelor of Science Program**

### I. Mathematics Degree

1. **College requirements for B.A. or B.S. degree, including electives.**
2. **Mathematics requirements**
   - **Lower Division**
     - Calculus through M206 or M212
     - M124 (Digital Computer Programming)
     - M225 (Applied Fortran Programming) or M226 (Assembler Language)
   - **Upper Division mathematics: 27 or more credits**
     - One or more of:
       - M301 Linear Algebra (4)
       - M302 Intro. to Abstract Algebra (3)
       - M306 Number Theory (3)
     - One or more of:
       - M314 Foundations of Analysis (3)
       - M340 Numerical Analysis (4)
       - M406 Complex Variables (3)
     - One or more of:
       - M361 Fundamentals of Statistics (4)
       - M431-432 Probability and Statistics (6)
   - One of the following sequences ending at the 400 level:
     - I. M 441-442 Algebra
     - II. M 401-402 Analysis
     - III. M 431-432 Probability and Statistics
     - IV. M 321-322-421 Applied Mathematics
     - V. M 354-356-451 Computer Science
     - and a 400-level course (of 3 or more credits) additional to those in the sequence selected.
   - M406 or M431-432, which may be used in specific area requirements, are also allowed in satisfying the overall requirements of 27 upper division hours in mathematics.

The particular mathematics courses used to satisfy the degree requirements may be chosen from specific courses in such areas of mathematics as: computer programming, applied mathematics, statistics, and theoretical mathematics. A degree program emphasizing one or more of these areas can be developed by the student with the assistance of his academic advisor.

Students interested in engineering can form a program leading to a Bachelor's degree in mathematics. This program could include many of the upper division physics or engineering courses offered at B.S.U. and satisfy most of the mathematics requirements with application-oriented mathematics courses.

A mathematics degree program can also be developed by those students interested in a computer-related career. This program would include many business courses, the courses needed for the mathematics major, and M109, M124, M226, M345, M358 and M451.

For students preparing for graduate work in a mathematical field, both M401-402 and M441-442 are recommended. Additional courses should be selected with his advisor. A reading knowledge of at least one of French, Russian or German is highly desirable.

### II. Secondary Education Degree

1. **University requirements for the B.S. or B.A. degree.**
2. **Mathematics requirements:**
   - a. M 122 or M 124
   - b. M 204, 205, 206 or M 211, 212
   - c. M 301
   - d. At least one of M 302 or M 306
   - e. M 311
   - f. M 314
   - g. M 361 or M 431, 432
   - h. M 490
   - i. M 564 or equivalent mathematical application course
   - j. Either 45 semester hours of mathematics or an approved area of emphasis outside of mathematics.

(Note: For those students teaching Junior High School mathematics, M 103 is strongly recommended.)

### 3. Education Requirements: 22 semester hours

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

**Secondary Education Degree (Suggested Program)**

### FRESHMAN YEAR:

- **English Composition:** 3 credits
- **Calculus M 204, 205 or M 211, 212:** 5 credits
- **Degree Electives:** 8 credits

### SOPHOMORE YEAR:

- **Calculus M 206:** 4 credits
- **Programming M 122 or M 124:** 2 credits
- **General Psychology P 101:** 3 credits
- **Foundations of Education TE 201:** 3 credits
- **Linear Algebra M 301:** 4 credits
- **Elective:** 7 credits

### JUNIOR YEAR:

- **Foundations of Analysis M 314:** 3 credits
- **Algebra M 302 or Number Theory M 306:** 3 credits
- **Statistics M 361 or M 431, 432:** 3 credits
- **Educational Psychology P 325:** 3 credits
- **Mathematical Modeling M 564:** 3 credits
- **Secondary Methods TE 381:** 3 credits

### SENIOR YEAR:

- **Foundations of Geometry M 311:** 3 credits
- **Mathematics in Secondary School M 401:** 3 credits
- **Secondary Student Teaching:** 9 credits
- **Electives:** 11 credits
- **Mathematical Modeling M 564** (or equivalent) 3 credits
- **Educating Exceptional Sec Stu TE 333** 3 credits

### COURSES

**M MATHEMATICS**

#### LOWER DIVISION

- **015 Arithmetic Review (6 credits).** Fundamental operations with real numbers, linear equations and story problems. Review of elementary geometry and weights and measures including the metric systems. For students with little or no algebra or geometry who want to review school mathematics. Each semester.
- **020 Algebra Review (6 credits).** A refresher course for students in education, engineering, science, or business. Algebra is covered from first fundamental operations through linear equations and story problems. Review of elementary geometry and weights and measures including the metric systems.
- **100 A Cultural Approach to Mathematics (4 credits).** Designed for liberal arts students. The course provides an opportunity to acquire an appreciation of the nature of mathematics and its relationship to other aspects of our culture. The humanistic aspect of mathematics is emphasized to help students to develop an abstract thought process that is rigorous but not rigid. Prerequisite: A year of high school mathematics or consent of instructor. Each semester.
Foundations of Analysis (3 credits). Logic, Axiomatics, Sequences, Foundations of Combinatorial Geometry (3 credits). Study of curves and surfaces in Euclidean geometries from an axiomatic point of view. Prerequisite: M-205 or 212. Fall semester.

302 Introduction to Abstract Algebra (3 credits). Sets, groups, integral domains, rings, fields. Prerequisite: M-205 or 212. Each semester.

111 Calculus and Trigonometry (5 credits). Selected topics in college algebra and trigonometry. The course will prepare the student for calculus. Prerequisite: Placement will be determined by A.C.T. score or a grade of "satisfactory" in M-020. Each semester.

112 A First Course in Programming (2 credits). An introductory course in programming techniques. Fundamental programming topics will include problem solving, formulas, input to and output from the computer, use of data files, flowcharting, and the components of a typical computer. Various techniques for searching and sorting in large collections of data will be covered. Computer applications in education, natural sciences, business and economics, and social sciences will be studied. Concepts will be studied using a conversational language operating in the environment of a small to medium-sized computer such as the BASIC language and the BSU Hewlett-Packard 3000 Computer. Prerequisite: None. Each semester.

114 (EN-104) Digital Computer Programming (2 credits). Course for engineering, science or mathematics majors to introduce FORTRAN and BASIC programming principles and logic. Consideration given to input-output, flowcharting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-111 or M-108 or having taken or taking mathematics beyond this level. Credit cannot be obtained for both M-124 and EN-104. Each semester.

204 Calculus and Analytic Geometry (5 credits). Cartesian plane, functions, limits and continuity. The derivative and applications. The integral and applications. Conic sections. Prerequisite: M-204 or consent of instructor. Spring semester.


248 Calculus and Analytic Geometry (4 credits). Three dimensional analytic geometry and introduction to vector algebra and calculus of vector valued functions. Partial differentiation, and multiple integrals. Prerequisite: M-226 or consent of instructor. Each semester.

211-212 Accelerated Calculus (5 credits each). Analytic geometry, functions, limits, differentiation and integration with applications; transcendental functions, methods of integration, vectors, solid analytic geometry, vector functions, partial derivatives, multiple integrals and several integrals and partial differential equations. This course is an accelerated version of the three semester sequence M-204, M-205, M-206. Prerequisite: Any of M-108, M-111, M-116 with grade of A, or strong high school background. Year course M-211 Fall, M-212 Spring.

225 (EN 225) Intermediate Applied Programming (2 credits). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be placed on those languages and programming topics which have been found useful for the solution of science and engineering problems. The course will concentrate on FORTRAN but where appropriate will use other programming languages. Prerequisite: EN 104 (M-124). Credit cannot be obtained from both EN 225 and M 225. Fall Semester.

226 Assembler Language I (4 credits). Assembler language programming for the IBM 370. Data representation, machine instruction, loop, address manipulation, input/output, program sectioning and linking, macros. Prerequisite: M-124 (EN-104) or consent of instructor. Spring semester.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

Chairman: Lt. Col. Walther; Instructor: Sfc. Sutter

The Reserve Officers' Training Corps 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 the essential qualities and attributes an opportunity to become commissioned officers in the United States Army. In addition, the senior division provides a major source of procurement for junior officers in the Regular Army. The procurement is accomplished through the recurring selection of a number of distinguished military graduates.

SCOPE OF INSTRUCTION

General. The complete course of instruction leading to a commission as a second lieutenant comprises four years and one
summer camp, or two years and two summer camps. Training in military leadership is emphasized. Instruction is given in subjects common to all branches of the Army with stress placed on the following: Organization of the Army and ROTC, individual weapons and marksmanship, American military history, management, leadership, map and aerial photograph reading, U.S. Army and national security, military teaching principles, branches of the Army, tactics, communications, operations, logistics, administration, military law, and the role of the United States in world affairs.

Basic Course. The basic course consists of the first two years of military science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a six-week summer camp between their sophomore and junior year, by obtaining 90 military contact hours, or by academic course substitution. Veterans and some Reserve Component personnel are given military credit for the basic course.

Advanced Course. The advanced course includes two additional years of military Science and a six-week summer camp. The camp provides for practical application of instruction previously given. Admission to the advanced course is accomplished through concurrence of the president of the University and the chairman of the Department of Military Science.

REQUIREMENTS FOR ARMY COMMISSIONS

Applicants for admission to the advanced course must (1) have satisfied the requirements of the basic course, successfully completed the six-week summer basic camp or have completed 90 contact hours; (2) not have reached an age which will prevent appointment as a second lieutenant in the USAR upon graduation (the 28th birthday). In exceptional circumstances, the age requirement may be waived or a compression of military science courses may be authorized to permit qualification for appointment before the 28th birthday. Students seeking a commission in the Regular Army must complete the course and graduate before reaching age 27; (3) complete successfully the survey and general screening tests as may be prescribed; (4) be selected by the president of Boise State University or any other institution to which he may thereafter be admitted; (5) execute an individual contract with the government by which the student, in consideration of a retainer pay at $100 a month for ten months each year, agrees to complete the advanced course at Boise State University or any other institution at which he may thereafter be enrolled where a similar course is given; (6) devote a minimum of five hours a week to the military training prescribed by the Secretary of the Army; (7) attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year; (8) enlist in a reserve component (this enlistment does not involve additional time in duty but is to insure compliance with the terms of the contract signed by the student); (9) agree to accept a commission if tendered; (10) serve on active duty as an officer for three years or three months as determined by the Department of the Army.

SCHOLARSHIP

Financial assistance for selected students is offered through 1, 2, 3, and 4-year scholarship programs paying for tuition, fees, books, and laboratory costs each year plus $100 a month retainer pay for ten months each year. Each student accepted for this assistance must serve four years of active duty after commissioning.

FINANCIAL ASSISTANCE

Each advanced course student receives subsistence pay 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, $400 (approximately); regular camp, $500 (approximately); travel pay, $.10 per mile each way. A uniform allowance of $300 is paid to each commissioned student upon entry into active duty. Deserving and qualified students are tendered Regular Army appointments.

UNIFORMS

Basic and advanced course students will be provided uniforms, texts, and equipment. All such items of clothing and equipment are the property of the United States 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 cleanliness of the property issued to them.

COURSES

ML MILITARY SCIENCE

101 Introduction to Military Science (1 credit). This course is designed to provide an overview of the ROTC to include its history, a synopsis of the organization of the United States Army and a general introduction to the principles of leadership. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

102 Introduction to Military Science (1 credit). This course is designed to provide an introduction to orienteering and land navigation, communication and small unit tactics. The laboratory consists of practical participation in the application of leadership principles, through adventure training.

201 Introduction to Leadership (2 credits). This course is designed to prepare the student for the ROTC Advanced Course. The course presents an introduction to leadership and basic map reading/orienteering. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

202 Military History (2 credits). The course is designed to prepare the student for the ROTC Advanced Course and the profession of arms. The course will enable the student to form general concepts of the evolutionary nature of warfare, identifying those elements of war which remain relatively constant and those that are modified by time and circumstance. The student will acquire a general knowledge and appreciation of the development of the American Military System and its leaders. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

301 Leadership and Management (3 credits). This course is designed to increase the student's poise and confidence as a military instructor and leader. It is further designed to provide information on the branches of the Army available for assignment; and to assist each student in making his/her selection during the senior year. The course will also prepare the student for participation in Advanced Camp. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

302 Basic Tactics (3 credits). This course is designed to prepare the student for the ROTC Advanced Course. The course will continue to develop leadership abilities, promote confidence, and ready students for military service as commissioned officers. The laboratory consists of a practical participation in the application of leadership principles through adventure training.

401 Advanced Tactics (3 credits). Prepares the prospective Army officer for initial Army assignment. Covers military staff organization and responsibilities; role of combat, combat support, and combat service support units in the Army; military intelligence; logistics, maintenance and supply; and an introduction to military justice.

402 Professional Preparation (3 credits). Prepares the prospective Army officer for initial Army assignment. Covers the position of the United States in the Contemporary world scene in light of its impact on the military services; obligation and responsibilities of an officer on active duty; and coordination and operations of the military team.

DEPARTMENT OF MUSIC

Chairman and Professor: Mr. Wilber D. Elliott; Associate Chairman and Associate Professor: Oakes; Professors: Baldwin, Best, Cleveland, Meyer, Taylor; Associate Professors: Bratt, Hopper, Hsu, Shelton; Assistant Professors: Sambali, Schroeder, Thomason; Instructor: Baldassarre.

GIFTS AND MEMORIALS TO THE MUSIC DEPARTMENT

The Music Department has been the recipient of many fine gifts of instruments, music and record collections from friends and supporters of the Department. In the Music Auditorium is housed the J. W. Cunningham Memorial Pipe Organ, a three-manual Austin organ of 45 ranks and 54 registers, given to the University by Laura Moore Cunningham. It is used for concert, teaching, and practice purposes. Also in the Auditorium is the console for the Harry W. Morrison Memorial Carillon, built by Maas-Rowe. Given as a memorial to her husband by Mrs. Veima Morrison, the Grand Symphony Carillon provides hours and half-hours and twice daily plays a short program of carillons. ROTC carillons.

Other gifts to the Music Department include several grand pianos, electronic equipment, instrumants, record collections
and music. The Music Department is grateful to these donors who have given so generously:

Dr. and Mrs. Robert deNeufville  
Bryant S. Martineau  
Alice Gould  
Marjorie Palmquist  
Dr. and Mrs. Arthur C. Jones  
Mr. and Mrs. Edward Utley  
Senator Len Jordan  
Mrs. Eli Weston

REQUIREMENTS FOR MUSIC MAJOR
Bachelor of Arts Program

A. Completion of general college requirements for the Bachelor of Arts degree as found in Part II of this catalog.

B. Minimum Music Requirements:
   1. Bachelor of Music Degree (performance and Theory-Composition, and Music Education) a minimum of 20 hours of music credits completed. Emphases are possible in Performance, Music Theory, History/Literature, or Music Education. Details of the individual student's curriculum are to be determined by the student in consultation with an assigned Music Minor advisor and subject to the approval of the Music Department Chairman.

   2. Music Requirements:
      a. All Performance Music Majors are required to register for one of the three major ensembles (band, choir, or orchestra) each semester, totaling a minimum of 8 credits over a normal 4-year course of study, except that performance majors in Piano, Voice or Guitar will take only 6 credits of major ensembles. Piano performance majors will take 2 credits of accompanying (ME 180, 380) toward the required 6 credits. Guitar majors may take 2 credits of Guitar Ensemble (ME 167, 367) toward the required 6 credits. Other ensembles may be taken as electives in addition to the required major ensembles.

   3. Electives: 12-17

III. Music Education Emphasis Minimum Requirements

   1. General University and Basic Core Requirements (including 3 credits of Music History in Area I) 29-32

   2. Music Requirements:
       a. All Performance Majors will take 2 credits of Performance Studies the first semester of the Freshman Year and perform a 4-credit jury prior to enrolling in 4-credit performance studies second semester.
       b. MC 400-level studies: 4 credits minimum

   C. Additional Upper Division Courses 31
      a. General University and Basic Core Requirements (including 3 credits of Music History in Area I) 29-32

      b. Performance minor studies (to be piano, unless major instrument is keyboard) 8

   C. Additional Upper Division Courses 31
      a. Performance major studies 8

   C. Additional Upper Division Courses 31
      a. MC 300-level performance major studies 4
      b. Keyboard Harmony and Basic Improvisation 4
      c. Counterpoint 6
      d. Advanced Form and Analysis 3
      e. Choral and Instrumental Conducting 2
      f. Music Composition 8
      g. Senior Composition Recital or Music Seminar 2

   3. Electives: 12-17

   II. Theory-Composition Emphasis Minimum Requirements

   1. General University and Basic Core Requirements (including 3 credits of Music History in Area I) 29-32

   2. Music Requirements:
       a. Music Core 35-37

   B. Performance studies: 30
      a. Performance major studies 8
      b. Performance minor studies (to be piano, unless major instrument is keyboard) 8

   C. Additional Upper Division Courses 31
      a. Performance major studies 8

   C. Additional Upper Division Courses 31
      a. Performance major studies 8

   C. Additional Upper Division Courses 31
      a. MC 300-level performance major studies 4
      b. Keyboard Harmony and Basic Improvisation 4
      c. Counterpoint 6
      d. Advanced Form and Analysis 3
      e. Choral and Instrumental Conducting 2
      f. Music Composition 8
      g. Senior Composition Recital or Music Seminar 2

   3. Electives: 12-17

   III. Music Education Emphasis Minimum Requirements (Fulfillment of the requirements below will qualify the student for Idaho State Certification in Secondary Schools.)

   1. General University and Basic Core Requirements (including 3 credits of Music History in Area I) 29-32

   2. Music Requirements:
       a. Music Core 35-37

   B. Major Instrument Performance Studies: 14
      1. MC 300-level or above: 4 credits minimum

   C. Additional Lower Division Courses 7
      a. Performance major studies 8

   C. Additional Lower Division Courses 7
      a. Performance major studies 8

   C. Additional Upper Division Courses 31
      a. MC 300-level performance major studies 4
      b. Keyboard Harmony and Basic Improvisation 4
      c. Counterpoint 6
      d. Advanced Form and Analysis 3
      e. Choral and Instrumental Conducting 2
      f. Music Composition 8
      g. Senior Composition Recital or Music Seminar 2

   3. Electives: 12-17

   SCHOOL OF ARTS & SCIENCE

   CREDITS

   Total 128
Vocal Techniques and Methods ........................................... 2  
Band Arranging ................................................................ 2  
Band and Orchestra Methods and Materials ..................... 2  
Choral Methods and Materials ..................................... 2  
Choral Instrument Conducting ..................................... 2  
Instrumental Techniques and Methods .......................... 4  
One-half Senior Recital ................................................... 1  
E. Education School Requirements ................................. 19  
(General Psychology—Area II) ........................................ 3  
(Educational Psychology—Area II) ................................. 3  
Foundations of Education ........................................... 3  
Secondary School Methods .......................................... 2  
Educating Exceptional Secondary Students ................... 1  
Secondary Student Teaching ....................................... 12  
3. Electives ..................................................................... 9-14  
A. Recommended Music Electives: ................................. 2  
Teaching Music in the Elementary Classroom ................. 2  
(to qualify students for Idaho State Certification for Elementary School Music Specialist) ....... 2  

Total: 128

1Not required of Piano, Voice or Guitar Performance Emphasis Majors.
2Required of Piano, Voice or Guitar Performance Emphasis Majors.

MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

101 Concert Class (no credit). The class meets weekly. Required of all full-time Music Majors and Minors, but attendance is open to any person. Minimum attendances per semester: 10 sessions for all Music Majors, 6 sessions for all Music Minors. As a part of this course, attendance at a minimum of 5 Music Department sponsored on-campus concerts-recitals is required. Participation in the concert-recital will not constitute attendance for meeting the requirements. Each semester

107 Recorder Class (1 credit). 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 class will meet once a week. Students must supply their own instrument. May be repeated once for credit. Spring semester.

127 Beginning Guitar Class (1 credit). This course is a part of the technical fundamentals involved in playing the acoustic guitar for the beginner. Making use of popular and folk songs, the course is based on written notation and aural instruction, stressing chordal playing and correct posture and holding positions. Students are required to provide their own instrument. Meets twice a week. May be repeated once for credit. Each semester.

128 Intermediate Guitar Class (1 credit). A continuation of MA 127. Emphasis is given to understanding fret-board theory, reading musical notation for the guitar and solo playing. The concept of form levels is introduced and developed as it relates to upper position work. Students must provide their own instrument. Meets twice a week. May be repeated once for credit. Prerequisite: MA 127 or permission of instructor. Each semester.

150 Piano Class (1 credit). Each semester. Maximum 2 credits allowed.

180 Voice Class (2 credits). Each semester. Maximum 2 credits allowed.

307 Recorder Class (1 credit). 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 class will meet once a week. Students must supply their own instrument. May be repeated once for credit. Prerequisite: MA 127 or permission of instructor. Each semester.

321 Advanced Guitar Class (2 credits). A study of music and technical problems inherent in solo guitar playing. Chord construction and progression are studied in depth through intervalic analysis and functional harmonic relationships. Theoretical principles of guitar transcriptions are covered and improvisation is introduced. Meets three times a week. Students must provide their own instrument. May be repeated once for credit. Prerequisite: MA 107 or permission of instructor. Spring semester.

328 Jazz Guitar Class (1 credit). 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. Meets twice a week. May be repeated once for credit. Prerequisite: MA 128 or permission of instructor. Either semester.

410 Music Composition (2 credits). 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. Prerequisite: Permission of instructor. Either semester.

444 Music Education-Bachelor of Arts Senior Recital (1 credit). This course is a one-half (½) recital to be presented as the culminating performance project for Music Education majors and for Bachelor of Arts Music majors emphasizing performance. Prerequisite: 300-level performance ability and consent of the student's supervising private teacher. Graded Pass/Fail. Each semester.

445 Recital (2 credits). Music Performance majors may elect to perform a solo recital for two credits prior to the senior solo recital at any time subsequent to the freshman year. The student must have permission of his teacher and the chairman of the music department. Graded Pass/Fail. Each semester.

446 Senior Performance Recital (2 credits). This course is a full recital to be presented as the culminating project for Performance Emphasis majors within the Bachelor of Music program. Prerequisite: 400-level performance ability and consent of the student's supervising private teacher. Graded Pass/Fail. Each semester.

447 Senior Composition Recitals (2 credits). A recital for the performance of original compositions by the Theory-Composition Major. Students must make their own arrangements for personnel required for the recital. Required of Theory-Composition Majors. Prerequisite: Major in Theory-Composition and permission of supervising faculty member. Graded Pass/Fail. Each semester.

MC MUSIC—PRIVATE LESSON PERFORMANCE STUDIES. (These courses carry an extra fee. For details see schedule of fees elsewhere in this Bulletin.)

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

1Generally, freshmen will enroll in 100-level studies, sophomores in 200-level studies, juniors in 300-level studies, and seniors in 300- or 400-level studies. Non-music majors will enroll initially in 100-level studies. Before permission is granted to any student to enroll in the next higher level, the student must perform before a faculty jury toward the determination of appropriate level placement. Juries are held at the end of each semester. Music majors are required to perform on their major instrument before a faculty jury each semester. Details in performance level requirements for each instrument and voice are available from the Music Department Office. All MC undergraduate courses may be repeated for credit (no limit). Students transferring into the Music Department as music majors from another institution or from another department within BSU must complete a performance examination for placement in the appropriate performance level.

Private Lesson Performance Studies
Course Numbering System

The three-digit course number carries the following information: first digit (1—, 2—, etc.) = performance level; second digit = instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments); third digit (-1- , -2- , -4- ) = credit value. Four-credit studies are reserved for Bachelor of Music Program Performance Majors. Such a notation identifies 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 practice requirements: For 4 hrs. credit — 16 hrs. practice per week. For 2 hrs. credit — 12 hrs. practice per week.

Minor Area Practice Requirements: For 2 hrs. credit — 6 hrs. practice per week.

ME MUSIC, ENSEMBLE

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

191, 201 University Singers (1 credit). A general chorus open to all college students. No audition is necessary. Major choral works from all periods will be sung. Public Performance(s) will be expected each semester. Concurrent enrollment in ME 105, 305 prohib. Maximum credits: ME 101 and/or ME 301, 8 cr. Each semester.

195, 205 Meistersingers (1 credit). Essentially a course in unaccompanied singing which is open to all college students. The Meistersingers is the concert-touring choir of the University. Concurrent enrollment in ME 101, 301 prohib. Prerequisite: Enrollment is by audition and Music Department approval. Maximum credits: ME 101 and/or ME 305, 8 cr. Each semester.

199, 209 Vocal Ensemble (1 credit). A course designed to promote participation in the regular choral knowledge of music for minor vocal ensembles. Literature will include vocal music of all periods. Varying groups will be established as demand warrants. A public performance can be expected each semester. Prerequisite: Permission of instructor and concurrent enrollment in ME 101, 301 or ME 105, 305. Maximum credits: ME 110, and/or ME 310, 8 cr. Each semester.

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120, 220 Band (1 credit). An elective open to all students who can play a band instrument. Maximum credits: ME 120, and/or ME 320, 8 cr. Each semester.

125, 325 Brass Ensemble (1 credit). A course designed to promote playing in and increasing repertoire knowledge of small brass ensembles. A public performance is required each semester. Maximum credits: ME 125, and/or ME 325, 8 cr. Prerequisite permission of instructor. Each semester.

126, 226 Jazz Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of jazz ensemble. Includes performance of Dixieland, bebop, swing, big-band, jazz, rock, and contemporary concert jazz. Class rehearsals will include study and discussion of problems of rhythm, notation, improvisation, ear training, and chord construction. Prerequisite: consent of instructor. Maximum credits: ME 126, and/or ME 326, 8 cr. Each semester.

130, 330 Woodwind Ensemble (1 credit). A course designed to promote playing in and increasing repertoire knowledge of small woodwind ensembles. A public performance is required each semester. Maximum credits: ME 130, and/or ME 330, 8 cr. Prerequisite permission of instructor. Each semester.

140, 240 Percussion Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. Prerequisite: consent of instructor. Maximum credits: ME 140, and/or ME 340, 8 cr. Each semester.

141-241 Keyboard Percussion Ensemble (1 credit). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, meter selection, and application, general assembly technique, interpretation, and repertoire. Students will also be encouraged to compose original music and/or adapt or adapt existing music for the ensemble. Each semester.

150, 350 Orchestra (1 credit). The Boise State University Community Symphony is composed of students and selected professional musicians of the latitude and prepares several concerts each season from the standard symphonic repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150 and/or ME 350, 8 cr. Each semester.

160, 360 String Ensemble (1 credit). A course designed to promote playing in an increasing repertoire knowledge for small string ensembles. A public performance is required each semester. Maximum credits: ME 160, and/or ME 360, 8 cr. Each semester.

180, 380 Accompanying (1 credit). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. May be repeated for up to 8 credits. Each semester.

185, 385 Duo-Piano Ensemble (1 credit). A basic survey of duo-piano literature from the Baroque to the present. The student will learn how to cope with ensemble problems encountered in rehearsal and performance. Class sessions will consist of performance, listening, and discussion. One paper will be prepared by each student. A public performance will be performed. Meets once a week, but at least one hour per week of outside preparation is expected of the student. Prerequisite: Consent of instructor. Maximum credits: ME 185, and/or ME 385, 8 credits.

MU MUSIC, GENERAL

LOWER DIVISION

101 Music Fundamentals (2 credits). Primarily for Education Department 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. A remedial course for music majors. Fall semester.

103 Elements of Music (2 credits). 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, rhythm patterns, etc. The course is designed for students aspiring to be music majors but lack the necessary fundamentals background.

119 Materials of Music I (4 credits). This course includes music fundamentals (notation, intervals, triads, scales and modes, key signatures); melodic cadences, atonality, and harmonizations; and analysis and compositional skills involving the above. Prerequisite: piano proficiency to play simple melodies and harmonies, and/or concurrent enrollment in piano study, or permission of the instructor. Fall semester.

129 Materials of Music II (4 credits). This course includes 4-voice textures (linear and vertical aspects), homophonic textures, diatonic chords and harmonic relationships; cadences, inversions, dominant sevenths and secondary dominants; a cursory survey of binary, ternary and through-composed forms, modulation and modulation. Emphasis is on oral and visual recognition and analysis, along with compositional skills involving the above. Prerequisite: MU 119 or equivalent competency and piano as per MU 119. Spring semester.

121-122 Ear Training I-II (1 credit). A course designed to correlate with Materials of Music I and II, and intended for all students who have a least one year of piano, or concurrent piano study. Prerequisite: MU 121 and MU 122, and at least one year of piano, or concurrent piano study. Fall-Spring semester.

125, 225 Materials of Music III (3 credits). This course is a continuation of 4-part textures begun in MU 120. It includes diatonic sevenths, introduction to altered chords; the augmented sixth and Neapolitan chords; cadences, atonality, and serial techniques; compositional skills involving the above. Prerequisite: MU 125 or equivalent competency and piano per MU 119. Fall semester.

230 Materials of Music IV (3 credits). This course includes introductions to inversion and fugue, hymnody and sonata form; eleventh and thirteenth chords; Twentieth Century melody and harmony; atonality and serial techniques; compositional skills involving the above. Prerequisite: MU 219 or equivalent competency and piano per MU 119. Spring semester.

221-222 Ear Training III-IV (1 credit). A continuation of Beginning Ear Training: the student will take dictation in more advanced rhythms, solfege and dictation in three, and four parts. Students will be expected to play at the keyboard, the more simple forms of the basic chords in four parts. Prerequisite: Materials of Music III MU 219, and/or MU 221 and MU 222, and at least one year of piano, or concurrent piano study. Fall-Spring semester.

256 Vocal Techniques and Methods (2 credits). Designed for the Music Education major, this course is in the basic materials for improving at the piano and organ. Prerequisite: materials, 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. Spring semester.

257 String Instrument Techniques and Methods (2 credits). 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 performing technique on two or more of the orchestral instruments of violin, viola, cello, and string bass. 1 hour lecture, 2 hours per lab. Fall semester.

261 Basic Conducting (1 credit). Fundamental techniques of conducting: baton fundamentals, group rehearsal techniques, and simple score reading. Meets twice a week. Prerequisite: Materials of Music II MU 120 and Beginning Ear Training MU 121-122. Either semester.

266 Woodwind Techniques and Methods (2 credits). 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. Meets three times per week. Fall semester.

271 Orientation to Music Education (1 credit). A look at school music programs to include indoor and outdoor activities, primary through high secondary programs. Meets twice a week — one lab period and one formal class period. Lab period will be held in public schools. Either semester.

UPPER DIVISION

313-314 Keyboard Harmony and Basic Improvisation (2 credits). The student will learn to play in strict four-part harmony from figured basses and melodies, from unfigured basses and melodies, to modal, to play familiar tunes in four parts in various keys and be instructed in the basic materials for improvising at the piano and organ. Prerequisite: Materials of Music IV MU 220. Completion of MU 221 and MU 222 is desirable. Fall-Spring semesters.

NOTE: MU 321-322 will not be offered after 1980-81. See MU 423-424.

341 History and Literature of Music I (2 credits). The analysis of the development of Western music from its beginnings in early Christian times through the early 1600s. Consideration will be given to the development of art music from the sacred to the secular, and how these movements and styles developed, influenced and supported each other. Prerequisite: MU 199 and MU 200 or permission of instructor. Either semester.

342 History and Literature of Music II (2 credits). This course encompasses the period from the Baroque period through the late Romantic period. The student will learn about the major composers of the time and the development of their music. Prerequisite: MU 341 or permission of instructor. Either semester.

343 History and Literature of Music III (3 credits): Works of Haydn, Mozart, and their contemporaries through the Romantic period to Liszt, Wagner, and Puccini will be considered and analyzed as vehicles of individual expression as well as steps to greater understanding of the usual characteristics, their relationships to their contemporary societies, and as foundations for subsequent expression. Prerequisite: MU 199 and MU 200 or permission of instructor. Either semester.

344 History and Literature of Music IV (3 credits): Analysis of styles and characteristics of Western music from the last decades of the previous century to today's avant garde and electronic music. Prerequisite: Materials of Music I and II or permission of instructor. Either semester.

345 Opera Theatre (1 credit). A course in the study and production of operas. Permission of instructor required to register for course. May be repeated for up to 8 credits. Either semester.

350 Choral Conducting (1 credit). A course designed to deal with the problems and techniques of conducting choral music. Consideration will be given to the development of this art form, the techniques of choral conducting, and the role of the conductor with large groups. Prerequisite: Basic Conducting MU 261.

360 Laboratory for Conducting Experience (1 credit). 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. Meets twice a week. Prerequisite: Basic Conducting MU 261. Spring semester.
DEPARTMENT OF PHYSICS
ENGINEERING AND PHYSICAL SCIENCE

Chairman and Professor: Dr. Gary R. Newby; Professors: Campbell, Dahm, Luke; Associate Professors: Allen, Hahn, Parks; Assistant Professors: Gabert, Reimann, Smith.

ENGINEERING CURRICULUM

The following curriculum is as nearly as possible identical to that at the University of Idaho. The minimum time required to earn a BS degree in engineering is 4 years and the following program is designed to do this along with 2 years at the University of Idaho. This is, however, a very rigorous demanding program and depends upon the student being able to handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take 4½, 5 years or more to earn the degree. Therefore, a convenient option based on 3 years at BSU followed by 1½ years at Idaho U. is available and students may consult an engineering advisor about this program. The 5-year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than University of Idaho to complete their degree.

COMMON FRESHMAN YEAR:

1ST SEM.

1. English Composition (E-101-102) ............... 3
2. College Chemistry (C-131-132-133) ............ 3
3. Calculus and Analytic Geometry (M-204-205) ........ 4
4. Engineering Fundamentals (EN 107-108) ....... 4
5. Digital Computer Programming (EN-104-105) .... 4
6. Physics I (PH 220) .................................. 1
7. Physical Education ................................. 1

2ND SEM.

1. English Composition (E-101-102) ............... 3
2. College Chemistry (C-131-132-133) ............ 3
3. Calculus and Analytic Geometry (M-204-205) ........ 4
4. Engineering Fundamentals (EN 107-108) ....... 4
5. Digital Computer Programming (EN-104-105) .... 4
6. Physics I (PH 220) .................................. 1
7. Physical Education ................................. 1

COMMON SOPHOMORE YEAR:

1ST SEM.

1. Physics II and III (PH 221-222) .................. 3
2. Wave Motion and Heat Lab (PH 223) .......... 3
3. Electricity and Magnetism Lab (EN 220) ....... 3
4. **Humanistic-Social Elective .......................... 3
5. Introduction to Mechanics (EN 205) .......... 3
6. Systems and Circuits I & II (EN 221, EN 223) .... 3
7. Calculus and Analytic Geometry (M 206) ....... 4
8. Advanced Engineering Math (M 321) .......... 4
9. (Branch Variation—See Below) ................. 2-3

2ND SEM.

1. Physics II and III (PH 221-222) .................. 3
2. Wave Motion and Heat Lab (PH 223) .......... 3
3. Electricity and Magnetism Lab (EN 220) ....... 3
4. **Humanistic-Social Elective .......................... 3
5. Introduction to Mechanics (EN 205) .......... 3
6. Systems and Circuits I & II (EN 221, EN 223) .... 3
7. Calculus and Analytic Geometry (M 206) ....... 4
8. Advanced Engineering Math (M 321) .......... 4
9. (Branch Variation—See Below) ................. 2-3

*Civil Engineers not required to take EN 223.
**During first semester. Chemical Engineers substitute C-217. Civil Engineers substitute EN 215.

BRANCH VARIATIONS:

Agricultural Engineering
- Dynamics of Rigid Bodies (EN 206) .................. 2

Civil Engineering
- Dynamics of Rigid Bodies (EN 206) .................. 2
- Engineering Measurements (EN 216) ................. 2
- Elective (See Advisor) ................................. 3

Mechanical Engineering
- Dynamics of Rigid Bodies (EN 206) .................. 2

(EN 206)
### JUNIOR YEAR:

Three Junior level Engineering Science courses (EN 301 Fluid Mechanics, EN 306 Mechanics of Materials, and EN 320 Thermodynamics and Heat Transfer) are offered. These courses, along with usual Engineering requirements in mathematics, science, humanities, and social sciences, make it feasible for many students to complete a third year before transferring. Consult an engineering staff advisor for details.

**PHYSICS**

The scope of the program will be applied. However, flexibility is to be maintained in order to direct the student toward his desired objectives. If the student is interested in going on into graduate physics more math and some independent study in quantum physics would be recommended. Depending on the particular field of interest in physics, the student could select electives in biology, chemistry, math or geophysics.

### REQUIREMENTS FOR A PHYSICS MAJOR

**I. Liberal Arts Option**

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**A. Physics**

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<tr>
<td>Electricity &amp; Magnetism, PH 381, 382</td>
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<tr>
<td>Advanced Topics, PH 422</td>
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<td>Senior Lab, PH 481</td>
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<tr>
<td>Seminar, PH 499</td>
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**B. Engineering**

<table>
<thead>
<tr>
<th>Course Description</th>
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</tr>
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<tbody>
<tr>
<td>Computer Programming, EN 104, 225</td>
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</tr>
<tr>
<td>Systems &amp; Circuits I &amp; II, EN 221, 223</td>
<td>7</td>
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<tr>
<td>Thermodynamics, EN 329</td>
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</table>

**C. Math**

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>Calculus Sequence, M 204, 205, 206</td>
<td>13</td>
</tr>
<tr>
<td>Engineering Math, M 321</td>
<td>3</td>
</tr>
<tr>
<td>or Differential Equations, M 331</td>
<td>4</td>
</tr>
<tr>
<td>Numerical Analysis, M 340</td>
<td>4</td>
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**Bachelor of Science Degree in Physics**

(Suggested Program)

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<td>English Comp. (E 101, 102)</td>
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<tr>
<td>College Chemistry (C 131, 132, 133, 134)</td>
<td>4</td>
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<tr>
<td>Calculus &amp; Anal. Geometry (M 204, 250)</td>
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<tr>
<td>Digital Computer Programming (EN 104)</td>
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<tr>
<td>Physics I (PH 220)</td>
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<td>Area I or II Requirements</td>
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<tbody>
<tr>
<td>Physics II &amp; III (PH 221, 222)</td>
<td>3</td>
</tr>
<tr>
<td>Wave Motion &amp; Heat Lab (PH 223)</td>
<td>—</td>
</tr>
<tr>
<td>Electricity &amp; Magnetism Lab (PH 224)</td>
<td>1</td>
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</tbody>
</table>

**SCHOOL OF ARTS & SCIENCE**

Chemical Engineering

- Organic Chemistry (C 317) - 3
- Principles of Economics (EC 201) - 3

Electrical Engineering

- Engineering Science Elective - 3

**JUNIOR YEAR:**

- Modern Physics (PH 311, 312) - 3
- Electronics Lab (PH 301) - 3
- Thermodynamics (EN 320) - 3
- Electives - 3
- Area I or II requirements - 3
- Physics Seminar (PH 499) - 1

<table>
<thead>
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<tr>
<td>Physics Seminar (PH 499)</td>
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**CREDITS**

Bachelor of Science Degree in Physics (Suggested Program)

**I. Liberal Arts Option**

<table>
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<td>2. Major Requirements</td>
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**A. Physics**

- Physics I-III, PH 220, 221 & 222 - 9
- Physics Lab I & II, PN 223, 224 - 2
- Electronics Lab, PH 301 - 3
- Transducers, PH 304 - 2
- Lab Microprocessor Applications, PH 307 - 3
- Modern Physics, PH 311, 312 - 6
- Mechanics, PH 341 - 4
- Electricity & Magnetism, PH 381, 382 - 6
- Advanced Topics, PH 422 - 3
- Senior Lab, PH 481 - 3
- Seminar, PH 499 - 3

**B. Engineering**

- Computer Programming, EN 104, 225 - 4
- Systems & Circuits I & II, EN 221, 223 - 7
- Thermodynamics, EN 329 - 3

**C. Math**

- Calculus Sequence, M 204, 205, 206 - 13
- Engineering Math, M 321 - 3
- or Differential Equations, M 331 - 4
- Numerical Analysis, M 340 - 4
- \*Recommended Electives - 9

\*With consent of advisor and chairman, substitutions can be made for not more than 6 hours of the above from the area of biology, chemistry, math, engineering or geophysics.

**Bachelor of Science Degree in Physics**

(Suggested Program)

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**SCHOOL OF ARTS & SCIENCE**

Chemical Engineering

- Organic Chemistry (C 317) - 3
- Principles of Economics (EC 201) - 3

Electrical Engineering

- Engineering Science Elective - 3

**JUNIOR YEAR:**

- Modern Physics (PH 311, 312) - 3
- Electronics Lab (PH 301) - 3
- Thermodynamics (EN 320) - 3
- Optics (PH 331) - 4
- Numerical Analysis (M 340) - 4
- Area I or II requirements - 3

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**CREDITS**

Bachelor of Science Degree in Physics (Suggested Program)

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</table>

**A. Physics**

- Physics I-III - 9
- Physics Lab I & II - 2
- Intro to Descriptive Astronomy - 3
- Biophysics - 4
- Modern Physics - 6
- Optics - 4
- Electronics Lab - 3
- Senior Lab - 3

**B. Engineering**

- Computer Programming - 5
- Thermodynamics - 3

**C. Math**

- Calculus Sequence - 13
- Engineering Math - 4
- \*Recommended Electives - 9

**3. Education Requirements**

- Foundations of Education - 17
- Educational Psychology - 4
- Secondary School Methods - 9
- Secondary Student Teaching - 9

**Education Electives**

- Minor certification endorsements for Physics is listed in this Bulletin on page 107 of the Department of Teacher Education section within the School of Education division.

**CONSTRUCTION MANAGEMENT**

(Bachelor of Science Requirements)

- Excluding the 2 Econ. Courses, no more than 36 hrs. may be taken from School of Business courses.

**FRESHMAN YEAR:**

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<tr>
<td>M 111 Algebra &amp; Trigonometry</td>
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<tr>
<td>M 204 Calculus and Analy Geom</td>
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<tr>
<td>EN 101 Technical Drawing</td>
<td>2</td>
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<td>PO 102 State &amp; Local Gov.</td>
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</table>
### SCHOOL OF ARTS & SCIENCE

**Area I Elective** ................................................................. 3  3
**EN 104 Digital Comp. Prog.** .............................................. 2  3
**Area II Elective** .............................................................. 3  3

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>M 205 Calculus &amp; Analy. Geom.</td>
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<tr>
<td>PH 220 Physics I—Mechanics</td>
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<tr>
<td>EC 201 Principles of Economics</td>
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<tr>
<td>AC 205 Intro. to Financial Act.</td>
<td>3</td>
</tr>
<tr>
<td>CO 202 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>EN 205 Intro. to Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>Area I Elective</td>
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<tr>
<td>CO 202 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>AC 206 Intro. to Managerial Acct.</td>
<td>3</td>
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<tr>
<td>GB 207 Statistical Tech. for Decision Making I</td>
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<tr>
<td>EN 216 Basic Surveying</td>
<td>2</td>
</tr>
<tr>
<td>CO 346 Contacts, Plans, Specifications</td>
<td>3</td>
</tr>
<tr>
<td>AC 351 Cost Acct.</td>
<td>3</td>
</tr>
<tr>
<td>MG 301 Principles of Mang.</td>
<td>3</td>
</tr>
<tr>
<td>PH 222 Physics III—Elect. &amp; Mag</td>
<td>3</td>
</tr>
<tr>
<td>EN 306 Mech. of Materials</td>
<td>3</td>
</tr>
<tr>
<td>CO 370 Cost Est. &amp; Bidding</td>
<td>-</td>
</tr>
<tr>
<td>FI 303 Prin. of Finance</td>
<td>-</td>
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<tr>
<td>Electives</td>
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<tr>
<td>MG 330 Labor Law</td>
<td>3</td>
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<tr>
<td>PH 224 Elect. &amp; Mag.</td>
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</table>

Suggested Electives: GO 101 Physical Geology, GO 403 Engineering Geology, C 131/132 College Chemistry & Lab.

### COURSES

#### CO CONSTRUCTION MANAGEMENT

**UPPER DIVISION**

320 **Construction Equipment and Materials** (3 credits). Characteristics, capabilities, limitations and employment of general building and heavy construction equipment. Survey of conventional construction (building) materials and components. Emphasis is placed upon material descriptions, usages, and incorporations into structures. Fall semester.

346 **Contracts, Plans and Specifications** (3 credits). Contract documents, specifications for construction, study of plan systems, construction methods, architect-contractor relationships and bonded legal problems. Prerequisite: CO 346. Spring semester.

350 **Electrical and Mechanical Installations** (3 credits). Fundamentals of electrical systems, light and power requirements, plumbing and sanitation, heating and air-conditioning, application of building codes. Prerequisite: CO 205. Fall semester.

370 **Cost Estimating and Bidding** (3 credits). Extracting quantities from drawings, compiling and pricing estimates, preparation of bids. Prerequisite: CO 346. Spring semester.

374 **Construction Operation** (3 credits). Contractor organization and project supervision, building materials, equipment, methods of construction, construction safety. Prerequisite: GB 207 and MG 330. Fall semester.

417 **Project Scheduling and Control** (3 credits). Critical path method (CPM) as a construction, planning, scheduling and management technique. Prerequisites: EN 104 and CO 374. Spring semester.

### EN ENGINEERING

**LOWER DIVISION**

100 **Energy for Society** (4 credits). A course intended for students of all majors with no previous mathematics or science background necessary. 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. The roles which science and engineering have played in our historical progress provide a basis for evaluating the present and future choices where limited resources, environmental factors, and social or political consequences may become critical. Three one-hour lectures plus one two-hour lab each week. Fall semester.

101 **Technical Drawing** (2 credits). A basic course of technical drawing procedures for those with little or no school or work experience background in this area. Covers lettering, use of drawing instruments, geometric construction, orthographic projection, sectioning, dimensioning, partial drawings, working drawings and graphic solution of point line and plane problems. Two 2-hour lecture laboratory periods per week. Each semester.

104 (M-124) **Digital Computer Programming** (2 credits). Course for engineering, science, or mathematics majors to introduce FORTRAN and BASIC programming principles and logic. Consideration given to input-output, flow charting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisites: M-106, M-111 or M-115. Each semester.

107-108 **Engineering Fundamentals** (2 credits). An integrated course covering and relating such topics as professional and social responsibilities of the engineer, engineering computations, graphics and introduction to the design process. Two 2-hour lecture labs. Student should have a minimum mathematics background equal to M-111. Each semester.

201 **Introduction to Mechanics** (3 credits). Covers basic statics including equilibrium, kinematics of particles including concepts of force, mass, acceleration, work, and energy, impulse and momentum. Corequisite: M-205. Prerequisite: PH-229. Each semester.

206 **Dynamics of Rigid Bodies** (2 credits). Analysis of forces and the resulting motion as applied to rigid bodies undergoing rotary and general plane motion. Prerequisite: EN 205. Spring semester.

215 **Basic Surveying** (2 credits). A basic course in surveying serving also as a preliminary course for engineering majors and a complete course for forestry and other non-engineering majors. Course covers use of transit, level, plane table, and calculations related to elevation, traverse and stadia surveys. One lecture and one 3-hour lab. Prerequisite: M-111 or equivalent. Fall semester.

216 **Engineering Measurements** (2 credits). Advanced topics in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurement. One lecture and one 3-hour lab. Prerequisite: EN-215. Spring semester.

221 **Systems and Circuits I** (3 credits). Intro for engineering students; includes power and energy, circuit analysis, transient and steady-state behavior, and resonant systems. Three lectures per week. Prerequisite: M-204. Fall semester.

222 **Systems and Circuits II** (4 credits). Continuation of EN-221 with emphasis on application in electronics, magnetic circuits, energy conversion, feedback systems and instrumentation. Three lectures and one 3-hour lab per week. Prerequisite: EN-221. Spring semester.

224 **Electricity and Magnetism Lab** (1 credit/See PH 224).

225 (M 225) **Intermediate Applied Programming** (2 credits). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be placed on those languages and programming topics which have been found useful for solution of science and engineering problems. The course will concentrate on FORTRAN but where appropriate will use other programming languages. Prerequisite: EN 104 (M 124). Credit cannot be obtained from both EN 225 and M 225. Fall semester.

### PS PHYSICAL SCIENCE

**LOWER DIVISION**

103 **Foundations of Physical Science** (4 credits). Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one-semester course for non-science majors. Three lectures and one laboratory experiment per week. Each semester.

### GRADUATE

301 **Basic Physical Science for Elementary Teachers** (3 credits). An introduction to the basic ideas of physical science including matter, motion, energy, electricity, magnetism, heat, light, sound, wave motion, atomic energy, and astronomy. Elementary concepts will be discussed and demonstrated with emphasis on methods that can be used by elementary school students. Students will be expected to make one demonstration per week. Prerequisite: None.
PHYSICS

LOWER DIVISION

103 A Cultural Approach to Physics (4 credits). 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. Three lectures and one laboratory experiment per week. Spring semester.

101-102 General Physics (4 credits). 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. Three lectures and one 3-hour laboratory period per week. Prerequisite: Algebra and Trigonometry or acceptable score on ACT Mathematics Subscore. Each semester.

103 Radiological Physics (2 credits). An introduction to electrical, atomic, and nuclear physics is presented with a review of fundamental physical science included. Fall semester.

104 Radiological Physics (3 credits). An application of electrical atomic and nuclear physics to image intensification, fluoroscopy, cine-radiography, video tape systems, stereoradiography, body section, radiography, therapeutic radiology and nuclear medicine. Prerequisite: PH 163. Two lectures and one 2-hour laboratory per week. Spring semester.

105 Introduction to Descriptive Astronomy (4 credits). A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Three lectures and one two-hour laboratory. Several scheduled evening viewing sessions and planetarium visits are required. One semester course for non-science majors. Each semester.

109 Introduction to Computers (4 credits). (Crosslisted—M 109). Designed for non-science majors. The impact of computers on society and their potential and limitations will be studied. An introduction to computer hardware and programming will be included. Three 1-hour lectures and a 2-hour laboratory period each week.

207 Introduction to Biophysics (4 credits). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energy, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. Three 1-hour lectures and one 3-hour laboratory period per week. Prerequisite: It is recommended that the students have taken Math 111 or 115 or its equivalent.

220 Physics I—Mechanics (3 credits). Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibrational motion. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: M-204. Must be taken concurrently with M-205. Either semester.

221 Physics II—Wave Motion and Heat (3 credits). Wave motion on strings, acoustical phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the First and Second Laws of Thermodynamics. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH-220. Must be taken concurrently with PH-223. Either semester.

222 Physics III—Electricity and Magnetism (3 credits). Coulomb’s Law, electric fields, electric potential, magnetic fields, magnetic induction and simple circuits. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH-220. Must be taken concurrently with PH-224. Either semester.

223 Wave Motion and Heat Lab (1 credit). A lab designed to be taken concurrently with PH-221. Includes experiments in mechanics, wave motion, sound, optics and heat. One three-hour lab per week. Prerequisite: PH-220 and concurrent enrollment in PH-221. Either semester.

224 (EN 224) Electricity and Magnetism Lab (1 credit). A lab designed to be taken concurrently with PH-222. Basic experiments in electricity, simple circuit analysis and instrumentation. One three-hour lab per week. Prerequisite: PH-220 and concurrent enrollment in PH-222. Either semester.

UPPER DIVISION

301 Electronics Lab (3 credits). Electrical measurements, power supplies, amplifier circuits, oscilloscopes, servo systems, and electronic switching and timing. One 1-hour lecture and two 3-hour laboratory periods per week. Prerequisite: PH-222 and PH-224. Fall semester.

304 Transducers (2 credits). A course designed to acquaint the student with some of the more common laboratory sensing devices which are used in converting non-electrical signals into electrical signals so that measurements can be made. One 1-hour lecture and one 3-hour lab per week. Prerequisite: PH-301. Spring semester.

307 Laboratory Microprocessor Applications (3 credits). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. Two 1-hour lectures and one 3-hour lab per week. Prerequisite: PH-222 or EN-222. Either semester.

311-312 Modern Physics (3 credits). A brief introduction to the special theory of relativity, basic statistical methods of elementary mechanics with applications to atomic and nuclear physics, and properties of matter. Three lectures per week. Prerequisite: PH-221, PH-222, C-132. Corequisite: M-321 or M-331. Each semester.

331 Optics (4 credits). An upper division course stressing the applied facets of optics such as the use of various optical components for analysis and measurements in the invisible region of the electromagnetic spectrum. Three 1-hour lectures and one 3-hour lab per week. Prerequisite: PH-221 and PH-222. Fall semester.

341 Mechanics (4 credits). An upper division course which approaches classical mechanics in the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. Four 1-hour lectures per week. Prerequisite: M-340 and PH-220. Fall semester.

381-382 Electricity and Magnetism (3 credits). Electrostatic fields, potentials, Gauss’ law, solutions of Laplace’s equation, electrostatics of conductors and dielectric materials, magnetic materials, vector potentials, Maxwell’s equations, and electromagnetic radiation. Three one-hour lectures per week. Prerequisites: PH-221, PH-222 and M-321 or M-331. Each semester.

422 Advanced Topics (3 credits). Selected topics from the major fields of physics such as Astrophysics, Nuclear, Solid State, Solar Applications, Biophysics, Medical Physics. Prerequisite: Upper division standing and consent of the instructor, and possibly specific courses depending on topic.

481 Senior Lab (3 credits). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. Two 3-hour labs per week. Prerequisite: PH-312. Fall semester.

482 Senior Project (1 or 2 credits). Elective. A sophisticated laboratory project in some area of physics. Prerequisite: PH-481. Spring semester.

499 Physics Seminar (1 credit). Individual reports on selected topics. Senior status.
The basic requirements applicable to all major programs in Political Science, irrespective of the selected area of emphasis, are to include the following courses:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PO 101 American National Government</td>
<td>3</td>
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<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
</tr>
<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 231 International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Seminar (Scope and Methods of Political Science)</td>
<td>3</td>
</tr>
</tbody>
</table>

*The Seminar is not applicable to public administration area of emphasis but is strongly recommended.

At least 3 Semester Credits in Western Political Theory, either PO 441 or PO 442, are strongly recommended for all students with a major program in Political Science.

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

I. Political Science—Political Philosophy emphasis. Political Philosophy as an area of emphasis is designed to accommodate students whose principal interest in Political Science is the fundamental political thought, past and present, in the development of political institutions in society.

A. General College and Core Requirements

B. Political Science Major Requirements (45 credits)

1. Lower Division Courses (12 credits)

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<td>PO 231 International Relations</td>
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2. Upper Division Courses (33 credits)

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<tbody>
<tr>
<td>PO 231 International Relations</td>
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<tr>
<td>PO 351 Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PO 331 American Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PO 441 Western Political Theory I</td>
<td>3</td>
</tr>
<tr>
<td>PO 442 Western Political Theory II</td>
<td>3</td>
</tr>
<tr>
<td>PO 451 Comparative Legal Systems</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Senior Seminar (Scope and Methods of Political Science)</td>
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<td>Political Science electives</td>
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</tbody>
</table>

II. Political Science—American Governmental Systems and Processes emphasis. This area of emphasis is offered to students who wish to concentrate their attention on National, State, and local political institutions of the United States. The course requirements and electives in this area of emphasis seek to provide the student with an understanding of American government.

A. General College and Core Requirements

B. Political Science Major Requirements (45 credits)

1. Lower Division Courses (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 101 American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 102 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
</tr>
<tr>
<td>PO 221 Public Opinion and Voting Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 231 International Relations</td>
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</table>

2. Upper Division Courses (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PO 301 American Parties and Interest Group Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 303 Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PO 312 Legislative Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PO 331 American Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PO 351 Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Senior Seminar (Scope and Methods of Political Science)</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

III. Political Science—International Relations emphasis. The area of emphasis in international relations is available for students wishing to obtain a general understanding of international affairs for a more intelligent citizenship in the modern world society. Students enrolling in this option are advised to prepare themselves adequately in modern foreign languages. The course requirements in Political Science are designed to provide a basis for an interdisciplinary program with additional courses drawn from foreign languages, history, economics, and sociology.

A. General College and Core Requirements

B. Political Science Major Requirements (45 credits)

1. Lower Division Courses (12 credits)

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>PO 101 American National Government</td>
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<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
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<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
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<tr>
<td>PO 231 International Relations</td>
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2. Upper Division Courses (33 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PO 311 Comparative Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>PO 324 Comparative Communist Party State Systems</td>
<td>3</td>
</tr>
<tr>
<td>PO 333 Comparative Governments and Politics of the Developing Nations</td>
<td>3</td>
</tr>
<tr>
<td>PO 335 United States Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>PO 421 International Law</td>
<td>3</td>
</tr>
<tr>
<td>PO 422 International Organization</td>
<td>3</td>
</tr>
<tr>
<td>PO 451 Comparative Legal Systems</td>
<td>3</td>
</tr>
<tr>
<td>PO 498 Senior Seminar (Scope and Methods of Pol. ScL)</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

IV. Political Science—Public Administration emphasis. As an optional area of emphasis in Political Science, the course requirements are designed to provide a broad foundation in the discipline of Political Science with special concentration in the area of Public Administration. Special interdisciplinary course patterns can be arranged for students interested in such complementary areas as public administration and economics, public administration and sociology, public administration and psychology, public administration and communications. Appropriate course selections for all students opting for the Public Administration area of emphasis should include electives in computer science, psychology, sociology, history, economics, and communications.

A. General College and Core Requirements

B. Political Science Major Requirements (45 credits)

1. Lower Division courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PO 101 American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 102 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 141 Contemporary Political Ideologies</td>
<td>3</td>
</tr>
<tr>
<td>PO 229 Comparative European Governments and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PO 231 International Relations</td>
<td>3</td>
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</table>

2. Upper Division courses (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PO 303 Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PO 310 Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>PO 320 American Policy Processes</td>
<td>3</td>
</tr>
<tr>
<td>PO 465 Comparative Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PO 467 Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>PO 469 Intergovernmental Relations</td>
<td>3</td>
</tr>
<tr>
<td>PO 487 Organization Theory and Bureaucratic Structure</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

V. Political Science—Social Science Secondary Education Option. The Social Science Secondary Education Option degree programs are cooperative, inter-disciplinary programs involving the departments of Economics, History, Political Science, and Sociology. Each department provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with the inclusion of Anthropology, Geography, and Psychology, provide a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History as a certification requirement. A student enrolled in a Social Science Secondary Education Op-
tion must include one major curriculum and two minor curriculums in the degree program. The student is assigned to the department with the major curriculum.

**Political Science**

**Social Science Curriculum Major**

Required (24 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 221</td>
<td>Public Opinion and Voting Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PO 231</td>
<td>International Relations and either</td>
<td>3</td>
</tr>
<tr>
<td>PO 232</td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PO 331</td>
<td>Comparative Government and either</td>
<td>6</td>
</tr>
<tr>
<td>PO 441</td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PO 442</td>
<td>Political Theory</td>
<td>6</td>
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</table>

Plus upper division Political Science electives: 6

**Political Science**

**Social Science Curriculum Minor**

Required (20 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
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<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 231</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PO 331</td>
<td>and/or</td>
<td></td>
</tr>
<tr>
<td>PO 442</td>
<td>Political Theory</td>
<td>3-6</td>
</tr>
</tbody>
</table>

Plus 3-6 hours of appropriate upper division Political Science courses to be worked out with advisor according to major field of emphasis: 3-6

Certification Requirement: 6 hours of U.S. History: 6

**COURSES**

**PO POLITICAL SCIENCE**

**LOWER DIVISION**

101 American National Government (3 credits). A study of the institutions and processes of the American political system, emphasizing the social, ideological, and constitutional background. Each semester.

102 State and Local Government (3 credits). A study of the institution and processes of state and local government with emphasis on constitutionalism, legislatures, governors and reapportionment. Each semester.

141 Contemporary Political Ideologies (3 credits). An examination of liberalism, communism, fascism, and Nazism, with emphasis on the principal ideas characterizing each "ideology." Each semester.

221 Public Opinion and Voting Behavior (3 credits). The course will explore the development of public opinion and electoral behavior. Empirical research from a variety of fields will be used in an attempt to understand and analyze the factors that mold popular attitudes and political behavior. Prerequisite: PO 101 or PO 102. Spring semester.

251 Comparative European Governments and Politics (3 credits). A comparative study of the political systems of selected European nation-states, including Great Britain, France, the German Federal Republic, Italy, and the Scandinavian states. The patterns of political culture, political interests, political power, and selected political issues will be analyzed. Prerequisite: PO 101 or consent of instructor and approval of Department Chairman. Each semester.

231 International Relations (3 credits). A study of the nature of relations among nations with particular reference to contemporary international issues; an analysis of motivating factors including nationalism, imperialism, communism, a study of the problems of national sovereignty and its relation to international cooperation. Prerequisite: PO 101. Each semester.

**UPPER DIVISION**

301 Parties, Electoral Process and Interest Groups (3 credits). The major objective of this course is to develop an understanding of the nature, functions, organization, and activities of political parties and interest groups within the American political system. Emphasis will be placed on the performance of America's two major political parties, especially in the area of nominations and elections, and on the organization and lobbying activities of the major American interest groups. Prerequisite: PO 101 or PO 102. Fall semester.

302 Introduction to Public Administration (3 credits). Theory, administrative organization, functions and problems of public governmental units. Prerequisite: PO 101. Each semester.


311 Comparative Foreign Policy (3 credits). A comprehensive study of the political institutions, concepts, values, and methods of international politics relevant to the practice of nation-states; examinations of foreign policies and objectives of the world's major nations; analysis of contemporary international problems; conceptual frameworks of international politics. Prerequisite: PO 101 or PO 231 or consent of instructor and approval of Department Chairman. Fall semester.

312 Legislative Behavior (3 credits). An analysis of the behavior of American and national legislators; Special emphasis will be given to the impact of constituencies, parties, interest groups, interpersonal relations, and other related factors upon legislators, and the role of the legislature in the American political system. Prerequisite: PO 101. Spring semester.

326 American Policy Process (3 credits). An examination of the process through which policy is determined, implemented, and adjusted, with emphasis on the role of administrators. Prerequisite: PO 303. Either semester, alternate years.

324 Comparative Communist Party-State Systems (3 credits). A comparative study of the political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other Communist-Party States. Selected topics and problems relating to the political institutions and political processes will be presented for defining the patterns of political relationships in these states. Attention is to be given to questions of political theory and political determinants in the development of the Communist Party-State. Prerequisite: PO 101 or consent of instructor and approval of Department Chairman. Fall semester, alternate years.

331 American Political Theory (3 credits). The genesis and development of political thought in the United States from the colonial period to the present. Fall semester.

332 Comparative Governments and Politics of Developing Nations (3 credits). A study of the political systems of selected nations in the developing areas of the world, including nations of Africa, Asia, and Latin America. The patterns and American political development and modernization in the nations will be analyzed. Prerequisite: PO 101 or consent of instructor and approval of Department Chairman. Either semester, alternate years.

335 United States Foreign Policy (3 credits). 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 on the formulation of foreign policies. Either semester, alternate years.

351 Constitutional Law (3 credits). Case study of the American constitutional system and its concepts as revealed in judicial decisions. Prerequisite: PO 101. Spring semester.

421 International Law (3 credits). Law of peace, international intercourse, war and threat of war, pacific settlement, principles and practices of international law and their application to international affairs. Prerequisite: PO 101 and PO 231. Fall semester, alternate years.

422 International Organization (3 credits). Historical background, the League, basic problems of international entities; the United Nations. Prerequisite: PO 101 and PO 231. Either semester, alternate years.

441 Part I Western Political Theory (3 credits). The development of political philosophy since Socrates to Machiavelli. Fall semester, alternate years.

442 Part II Western Political Theory (3 credits). The development of political thought since Machiavelli. Prerequisite: PO 441. Spring semester, alternate years.

451 Comparative Legal Systems (3 credits). An examination of principal legal systems of the world, with emphasis on constitutional foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. Prerequisites: PO 101, PO 141, and PO 299 or consent of instructor and approval of Department Chairman. Spring semester, alternate years.

465G Comparative Public Administration (3 credits). Systematic examination and comparison of the varied models and theories of administrative systems. The course will cover international and international studies. (Students enrolled in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 203. Either semester.

467G Administrative Law (3 credits). Review of the sources of power and duties of administrative agencies, the rules and regulations made by the agencies through investigation and hearings, as well as judicial decisions and precedents relating to administrative activities. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 203. Either semester.

468G Intergovernmental Relations (3 credits). An examination of interunit cooperation and conflict in the American Federal System, including state-local relationships and metropolitan dispersal and integration. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 101, PO 102, and PO 303. Either semester.

467G Organizational Theory and Bureaucratic Structures (3 credits). A socio-political analysis of the theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 101, PO 102, and PO 303. Either semester.

468G Senior Seminar (Scope and Methods of Political Science) (3 credits). An examination of the methods of Political Science, its central problems and unifying concepts, and an inquiry into the techniques of scientific political investigation as they relate to improved research methods. This seminar is required of all Political Science majors. Fall semester.

Upper division students may arrange through the department for an internship program. The Legislative Internship is a part of this program, and application for it should be made in early October.
DEPARTMENT OF SOCIAL WORK

A Baccalaureate Degree Program in Social Work fully accredited by the Council on Social Work Education.

Chairman and Associate Professor: Douglas Yunker; Associate Professors: Huff, Oliver, Panitch; Assistant Professor: Moore; Adjunct Faculty: Johnson, Walker.

Community Field Work Faculty: Tom Wedeven, Casey Family Program; Charles Hansen, Allen Jarrett, Patrece Moody, Barry Kurz, Veterans Administration Hospital; Jane Knowton, Carol Skov, William Harford, Region IV Child Protection Unit H&W; Jeanne Dunbar, El-Ada Community Action, Inc.

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. They are sought for service in schools, courts, hospitals and clinics that seek to detect and prevent delinquency and child neglect.

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

REQUIREMENTS FOR SOCIAL WORK MAJOR

Bachelor of Arts Program

CREDITS

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

A. Lower Division Courses .................................................. 60

English Composition .................................................. 6

Literature ................................................................. 6

Humanities ............................................................... 6

History ................................................................. 6

Lab Science and/or Math .................................................. 12

Communication .......................................................... 3

Economics ............................................................... 3

Intro-Sociology ........................................................... 3

Social Problems .......................................................... 3

General Psychology ....................................................... 3

State and Local Government ................................................ 3

Intro to Social Work ...................................................... 3

Elementary Social Work Processes .......................................... 3

B. Upper Division Courses .................................................... 40

Social Welfare ............................................................ 3

Normal Social Functioning ................................................ 9

SW Methods—Casework .................................................... 3

SW Methods—Groupwork .................................................. 3

SW Methods—Community Organization .................................. 3

Statistics ................................................................. 3

Psychology Electives ..................................................... 9

Field Work ................................................................. 10

General Electives .......................................................... 1

Senior Seminar ............................................................ 1

C. General Electives—Lower — Upper Division .......................... 28

Recommended electives: AN 202, AN 307, CM 351, CM 361, EC 210, EC 219, P 301, P 311, P 312, P 341, P 351, P 352, PO 310, PO 312, PO 320, PY 101, PY 121, PY 211, PY 231, S 101, S 102, SC 230, SO 311, SO 325, SO 351, SO 361, SO 402, SO 415, SO 417.

COURSES

SW SOCIAL WORK

LOWER DIVISION

101 Introduction to Social Work (3 credits). A general background in the various areas of the discipline is presented after which specific philosophical problems are examined in light of the solutions by various philosophers in Western culture. The areas examined include metaphysics, ethics, and epistemology. Each semester.

121 Introduction to Logic (3 credits). Logic is the science of valid reasoning. To be studied are the logical rules of inference, methods or argumentation, logical problem solving and the nature of logical fallacies. Fall semester.

211 Ethics (3 credits). Problems of both normative ethics and metaethics are examined. Normative ethics concerns the norms and guidelines of moral behavior. Various solutions are offered in response to the question, "What ought one to do, given a moral dilemma? Metaethics is principally concerned with the nature of ethical statements. Naturalism, intuitionism, and emotivism are thus examined. Spring semester.

231 Philosophy of Religion (3 credits). The various types of arguments for the existence of God are examined. Various conceptions of the nature of God are explored as well as such problems as the problem of evil and problem of free will. Either semester.

245 Methaphysics (3 credits). As the core of philosophy, this course includes an examination of (a) the problem of free will vs. determinism, (b) the nature of causation, (c) the problem of personal identity, and (d) ontology. Prerequisite: PY 101. Fall semester.

247 Epistemology (3 credits). This course covers the theory of knowledge, including (a) an examination of the relationships and the difference between knowledge and belief, (b) an evaluation of the theories of perception and (c) theories of truth. Prerequisite: PY 101. Spring semester.

249 Ancient Philosophy (3 credits). A study of selected works of Plato and Aristotle. Prerequisite: PY 101. Fall semester.

251 Medieval Philosophy (3 credits). A study of the works of St. Anselm, Duns Scotus, St. Thomas Aquinas, Abelard, Williams of Ockham, and other contributors to intellectual thought during the Middle Ages. Prerequisite: PY 101. Spring semester.

UPPER DIVISION

302 The Age of Absolutism and Reason (Philosophy) (3 credits). A study of European thought in the seventeenth and eighteenth centuries. The age of absolutism, ideas of the philosophers and the crisis of the old regime leading to revolution. Prerequisite: Introduction to Philosophy. PY 101. (Courses may be taken either for History credit or for Philosophy credit, but not for both). Either semester, alternate years. Offered 1975-76.

334 Phenomenology and Existentialism (3 credits). This course explores the most fundamental human problems and is subjective by nature, for it is trapped by his own view of the world, yet the rational mind strives for objectivity. The clash between the two leads man to ask the very basic questions, "Who am I," and "What is my relationship to the external world." The former is an existential question and the latter is a phenomenological one. Prerequisite: PY 101. Fall semester.

454 Symbolic Logic (3 credits). A study of the translation of natural language statements into symbolic form for the purpose of ridding them of ambiguity and of making deductions through the rules of propositional calculus. Prerequisite: PY 121. Spring semester.

456 Philosophy of Science (3 credits). This course seeks to examine such philosophical questions as the finiteness of the universe, as well as theories concerning the nature and verification of postulated entities. Prerequisite: PY 101 or PY 121. Fall semester.


431 Normal Social Functioning ................................................ 9

435 Social Work Methods—Groupwork ........................................ 3

436 Social Work Methods—Community Organization ..................... 3

439 Social Work Methods—Organization .................................... 3

443 Social Work Methods—Groupwork (3 credits). Dynamics of group behavior, understanding group interaction and the processes of working with groups. Prerequisite for non-Social Work majors: permission of instructor. Each semester.
SOPHOMORE YEAR:

SOCIETY, ANTHROPOLOGY AND CRIMINAL JUSTICE ADMINISTRATION

Chairman and Professor: Dr. Max Pavesic; Professors: Dorman, Harvey, Pavesic, Schaeffer; Associate Professors: Baker, Christensen, Hopfenbeck, Marsh; Assistant Professors: Corbin, Cox, Hall; Visiting Professor: Ames.

The Department of Sociology, Anthropology and Criminal Justice Administration is responsible for the following six degree programs:

ASSOCIATE DEGREE
Criminal Justice Administration
Social Science (Penitentiary only)

BACHELOR'S DEGREE
Criminal Justice Administration
Social Science
Sociology
Sociology - Social Science Secondary Education Option
Multi-Ethnic Studies

In addition, the department is responsible for both an Anthropology and a Sociology "Social Science Curriculum Minor" as part of the Social Science Secondary Education degree, for a "Minor" in Multi-Ethnic Studies, and for "Minor Certification Endorsement" in Anthropology and in Sociology for teachers.

CRIMINAL JUSTICE ADMINISTRATION

Following are the requirements for a Bachelor of Arts or Bachelor of Science and a suggested sequence of enrollment:

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Science/Mathematics</td>
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<tr>
<td>History</td>
<td>3</td>
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<tr>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6 credits</td>
</tr>
<tr>
<td>State/Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>Defensive Tactics*</td>
<td>3</td>
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<tr>
<td>Directed Field Study</td>
<td>16</td>
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</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Police in the Community</td>
<td>3</td>
</tr>
<tr>
<td>Law of Criminal Evidence</td>
<td>3</td>
</tr>
<tr>
<td>Area I Courses (Humanities)</td>
<td>3</td>
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<tr>
<td>Electives</td>
<td>4</td>
</tr>
<tr>
<td>General Psychology</td>
<td>-</td>
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</table>

*May be waived upon showing of competency by written test.

JUNIOR YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I Course (Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>Police Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>Science/Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Criminal Justice Electives (Upper Division)</td>
<td>3</td>
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<tr>
<td>Abnormal Psychology</td>
<td>-</td>
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<tr>
<td>Literature</td>
<td>-</td>
</tr>
<tr>
<td>Criminal Law</td>
<td>-</td>
</tr>
<tr>
<td>Contemporary Correctional Theory</td>
<td>-</td>
</tr>
<tr>
<td>and Practice</td>
<td>-</td>
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</table>

Summer Between Junior/Senior Years
Directed Field Study 6 credits

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>Sociology/Psychology Elective (Upper Division)</td>
<td>3</td>
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<tr>
<td>Electives**</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Law Enforcement Problems</td>
<td>-</td>
</tr>
<tr>
<td>Administration or Introduction to Criminalistics</td>
<td>-</td>
</tr>
<tr>
<td>Juvenile Delinquency</td>
<td>-</td>
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<tr>
<td>-</td>
<td>15</td>
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</tbody>
</table>

**Must be taken prior to the beginning of the student's junior year.

SCHOOL OF ARTS & SCIENCE

Law of Arrest, Search and Seizure 3
Criminal Investigation 3
Applied Business Communications** 3

16 15

SOCIAL SCIENCE

Following are the requirements for the Bachelor of Arts in this major:

1. General University and Basic Core requirements:
2. Social Science requirements:
SCHOOL OF ARTS & SCIENCE

MULTI-ETHNIC STUDIES

The Multi-Ethnic Studies Program, which is open to all students, is an inter-disciplinary area of emphasis, providing a Bachelor of Arts degree, which will help students provide themselves with an understanding of tradition, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. Prospective majors may contact Dr. John Jensen, Department of Teacher Education; Dr. P. K. Curada, Department of History; A. R. Corbin, Department of Societal and Urban Studies; Mamie Oliver, Department of Social Work, to develop program of study.

BACHELOR OF ARTS PROGRAM

1. General University Requirements ........................................ 51
2. Ethnic Studies Requirements
   a. Lower Division Courses ............................................ 15
      Introduction to Multi-Ethnic Studies ................................ 3
      Cultural Anthropology .............................................. 3
      Ethnic Literature courses ........................................... 6
      Minorities in the United States History ............................ 3
   b. Upper Division Courses ............................................ 3
      Racial and Cultural Minorities ...................................... 3
   c. Elective Ethnic Courses ........................................... 30
      (List of approved course offerings available from Program Supervisors)
3. General Electives .................................................... 29
   Multi-Ethnic Studies Minor
   a. Requirement ...................................................... 9
      Introduction to Multi-Ethnic Studies ................................ 3
      Minorities in United States History ............................ 3
      Ethnic Literature courses ........................................... 3
   b. Elective Ethnic Courses ........................................... 12
      (List of approved course offerings available from Program Supervisors)

SOCIOLOGY

1. General University and core requirements to meet either Bachelor of Arts or Bachelor of Science Program* as given on pages 24-26. Bachelor of Arts degree candidates are required to complete one year of a foreign language. Sociology courses may not be used to satisfy Area II requirements.
2. At least 78 credit hours in fields other than sociology to be selected by the student in consultation with the student's Sociology faculty advisor.
3. At least 29 credit hours in Sociology including:

   Introduction to Sociology .......................................... 3
   Elementary Social Statistics ........................................ 3
   Social Research .................................................. 3
   History of Sociology ............................................... 3
   Current Sociological Perspectives ................................ 3
   Sociology Seminar ............................................... 2

*The following courses are strongly recommended:
   HY 102, 103 — History of Western Civilization
   Mathematics — 8 hours
   P 101 — Introduction to Psychology

SOCIOLOGY—SOCIAL SCIENCE SECONDARY EDUCATION OPTION

The Social Science Secondary Education Option degree programs are cooperative, interdisciplinary programs involving the departments of Economics, History, Political Science, and Sociology. Each department provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with the inclusion of Anthropology, Geography, and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History as a certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curricula in the degree program. The student is assigned to the department with the major curriculum.

The 30 hour Social Science Curriculum Major in Sociology is the same as for the Bachelor's Degree in Sociology with the addition of one single credit hour of SO-496, Independent Study (arrangements for this need to be made through contact with individual sociology professors).

SOCIAL SCIENCE CURRICULUM MINOR ANTHROPOLOGY

Required courses .................................................... 9
   (AN-101, 102, 311)
Upper division Anthropology electives ................................ 6

SOCIAL SCIENCE CURRICULUM MINOR SOCIOLOGY

Required course .................................................... 3
   (SO-101)
Sociology electives—half must be upper division .................. 12

Minor certification endorsements for teaching areas are listed in this Bulletin on page 108 of the Department of Teacher Education section within the School of Education division.
Eastern Woodlands, the American Southwest and the Intermountain West. Prerequisite: AN 203, upper division status, or consent of instructor. Either semester.

421 Theory and Method in Archaeology (3 credits). A survey of the philosophical and theoretical foundations of archaeology, including the developments in methodology and technical advances as applied to archaeological research. Prerequisite: AN 203, upper division status, or consent of instructor. Spring semester.

CR CRIMINAL JUSTICE ADMINISTRATION

LOWER DIVISION

201 Introduction to Criminal Justice Administration (3 credits). A study of philosophy, history, objectives and the functions of law enforcement as an institution, institutional relationship to society; general overview of the administration of justice. Fall semester.

215 Police in the Community (3 credits). 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. Prerequisite: CR 201. Fall semester.

231 Criminal Investigation (3 credits). Designed to acquaint the student with investigation as it involves the application of the investigative process in discovery and preservation of evidence, investigative report organization and content of investigative reports, and evidentiary proof of the elements of crime. Prerequisite: CR 201. Spring semester.

275 Law of Criminal Evidence (3 credits). 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. Prerequisite: CR 201. Fall semester.

276 Law of Arrest, Search and Seizure (3 credits). A highly concentrated study of the legal principles and decision making processes associated with arrest and search, as well as work release' halfway houses, diversion programs, furtouch concept and various communi-
ty/social agency rehabilitative programs of both traditional and innovative nature. Pre-
requisite: Upper division status. Either semester.


311 Criminal Law (3 credits). An analysis of criminal law and its effect on the enforcement of the tolerance limit of society. Prerequisite: CR 201. Spring semester.

331 Corrections in the Community (3 credits). The historical development, organization, operation and outcome of post-conviction release programs. Included are the traditional court and institutionally supervised programs of probation and parole as well as work release' halfway houses, diversion programs, furtouch concept and various communi-
ty/social agency rehabilitative programs of both traditional and innovative nature. Pre-
requisite: CR 301 or CR 191. Prerequisite: Upper division status. Either semester.

340 Principles of Interviewing (3 credits). Familiarization with the elements of the inter-
viewing process for law enforcement personnel. Included are both the counseling and interactive aspects with a view of promoting effective and productive relationships within any interviewing situation. Prerequisite: CR 201. P 101. Fall semester.

351 Police Organization and Management (3 credits). The principles or organization and management as applied to law enforcement administration, current and future problems in criminal justice administration. Prerequisite: CR 201. Fall semester.

382 Contemporary Correctional Theory and Practice (3 credits). (Crosslist—SO 382). The historical development, organization, and methods of operating the adult correctional system will be discussed in this course. A detailed study will be made of the philosophy and development of treatment strategies in local, state and federal correctional institu-
tions. Fall semester.

383 Introduction to Criminalistics (3 credits). Introduction to theory and application of physical science to the field and laboratory investigation of crime. Applicable to both advanced field investigation and laboratory techniques. Prerequisite: CR 201. (Alternate years). Spring semester.

411 Contemporary Law Enforcement Problems (3 credits). Exploration of current and antici-
pated administrative procedural areas of difficulty as they result from changing public opinion, changing needs and demands, court precedent and decision, and progressive developments and experimentation within law enforcement. Prerequisite: CR 201, upper division CJA standing. Spring semester.

420 Private and Industrial Security (3 credits). Philosophy and techniques of operation in the areas of security organization and management, investigations, physical plant and personnel security, and legal and jurisdictional limitations. Prerequisite: CR 201, upper division CJA standing. Fall semester.

431 Comparative Law Enforcement Administration (3 credits). An analysis and comp-
parison of law enforcement systems at the Federal, State, and local levels and interna-
tional systems. Prerequisite: CR 201. (Alternate years). Spring semester.

490 Field Practicum (6 credits). Students will work in selected criminal justice agencies under the joint supervision of CJA faculty and enforcement personnel. After training and orienta-
tion, the student will be assigned duties equivalent to those performed by full time personnel. A research project appropriate to the agency type and areas of respon-
sibility is required of each student. Regular seminar academic obligations. Required of all 4-year degree students who do not have one year of continuous, full time criminal justice experience. Students will arrange to devote the summer of their Junior year to this course. Prerequisite: 15 credits in criminal justice course work and Junior standing. Summer Session, but Fall or Spring semesters by special permission of the CJA direc-
tor.

SO SOCIOLGY

LOWER DIVISION

101 Introduction to Sociology (3 credits). Introduction to the sociological perspective, analysis of the basic elements of human groups and societies, culture, social organiza-
tion, socialization, inequality, and population. Either semester.

102 Social Problems (3 credits). Application of the sociological analysis to contemporary problems associated with the social system. Offered alternate years.

230 Introduction to Multi-Ethnic Studies (3 credits). 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 systemic inequality. Either semester.

250 Population (3 credits). The theory of population from Malthus to the present (1) Social factors that influence population size, such as birth control and inadequate hous-
ing; (2) composition of the population, past and present trends of populations. Prereq-
quisite: Introduction to Sociology SO 101. Either semester, alternate years. Offered 1979-
80.

UPPER DIVISION

305 Racial and Cultural Minorities (3 credits). Analysis of inter-ethnic contacts. The development of racial attitudes; theories relating to causal factors of prejudice and discrimination. Prerequisite: Introduction to Sociology SO 101 or General Psychology PS 101 and upper division status. Either semester.

310 Elementary Social Statistics (3 credits). The application of measurements to social research data. Basic statistical measures, techniques for their application, meaning and use are taught. Recommended by majors to be taken in the Junior year and followed by SO 311. Prerequisite: SO 101, High School Algebra, upper division status. Fall semester.


325 Sociology of Aging (3 credits). Analysis of aging as a social process emphasizing the changing role of society. It is the 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. Prerequisite: SO 101 and upper division status. Either semester.

331 Deviant Behavior and Social Control (3 credits). Analysis of the forms and causes of social deviancy, how social systems control behavior through the socializing process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology SO 101 and upper division status. Either semester.

346 Sociology of the Family (3 credits). An analysis of courtsip, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. Prerequisite: SO 101. Either semester.

351 Social Institutions (3 credits). Study of the basic institutions. Analysis of values, forms, and behavior organized around the important goals of society. Prerequisite: SO 101, and upper division status.


417 Criminology (3 credits). Sociology as applied to the study of "crime" as defined by the laws of society; the possible causes of criminal behavior and the way society at-
ttempts to control criminal behavior. Prerequisite: SO 101 and upper division status. Fall semester.

421 Social Stratification (3 credits). Examination of dominance and subordination and its relationship to age, sex, ethnicity, prestige and power. Effects of the social hierarchy upon individuals and its role in social change are considered from various angles, such as: contest for dignity, elite exploitation, outgrowth of occupational specialization. Of-
ered alternate years. Offered 1980-81.
### DEPARTMENT OF THEATRE ARTS

**Chairman and Associate Professor:** Dr. Robert E. Ericson; **Professors:** Lauterbach, Shankweiler; **Assistant Professors:** Jones, Buss, Helase.

**REQUIREMENTS FOR THEATRE ARTS MAJOR**

**BACHELOR OF ARTS PROGRAM**

General college requirements as listed under college requirements, Bachelor of Arts degree except:

A. TA 010, Theatre Symposium, required each semester of every Theatre Arts major.

B. Theatre Arts majors are required to take two hours of Physical Education courses as recommended by their advisor, (i.e., fencing, dance, gymnastics, etc.)

C. **Area I**
   - Intro to Theatre and Art or Music course: 6
   - Dramatic Literature: 3
   - Elective Literature course: 3

D. **Area II**
   - History of Western Civilization: 6
   - Elective: 6

E. The department recommends that Theatre Arts Majors take one year of foreign language, and LS 101.

**MAJOR SUBJECT REQUIREMENTS**

**THEATRE:**
- Introduction to Theatre: 3
- Technical Theatre: 8
- Acting (lower division): 3
- Stage Voice: 3
- Sound Drama: 5
- Directing: 3
- Theatre History: 6
- Contemporary Drama: 3
- Major Production Participation (2 hours lower, 2 hours upper division): 4
- (Upper Division—21)

**SECONDARY EDUCATION:**

Department requirements for the Secondary Education Option are the same as regular theatre major plus:
- TA 402 Directing
- E 345 or 346 Shakespeare is substituted for Contemporary Drama TA 445.
- The student must also satisfy the requirements for teacher certification.

**THEATRE ARTS MAJOR**

Bachelor of Arts Program

(Suggested Sequence: departmental requirements are indicated by asterisks)

<table>
<thead>
<tr>
<th>THEATRE EMPHASIS:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Laboratory Science</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Theatre</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Technical Theatre</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Art or Music</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to use of Books &amp; Libraries</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
<td>17</td>
</tr>
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<thead>
<tr>
<th><strong>SOPHOMORE YEAR:</strong></th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature Elective</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Dramatic Literature</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Western Civilization</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Acting</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Laboratory Science</td>
<td>—</td>
<td>4</td>
</tr>
<tr>
<td>Oral Interpretation</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Electives</td>
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<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
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</tbody>
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<table>
<thead>
<tr>
<th><strong>JUNIOR YEAR:</strong></th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Stage Voice</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>World Drama</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Electives (Upper Division)</td>
<td>—</td>
<td>8</td>
</tr>
<tr>
<td>Total Credits</td>
<td>16</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SENIOR YEAR:</strong></th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directing</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Theatre History</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Electives (Upper Division)</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Contemporary Drama</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Total Credits</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

**SECONDARY EDUCATION EMPHASIS:**

**FRESHMAN YEAR:**
- English Composition: 3
- Physical Education: 1
- Laboratory Science: 4
- Introduction to Theatre: 4
- Technical Theatre: 4
- Electives: 3
- Total Credits: 16

**SOPHOMORE YEAR:**
- Literature Elective: 3
- Dramatic Literature: —
- Western Civilization: 3
- Laboratory Science: —
- Social Science Elective: 3
- Electives: 4
- Total Credits: 16

*Note: All courses marked with an asterisk (*) are not applicable to the Theatre Arts major.*
ENGLISH MINOR FOR THEATRE ARTS

Secondary Education Option: See recommended minor listed in the B.S.U. Bulletin under the English Department Heading.

Liberal Arts Option (beyond E-101 and E-102):

<table>
<thead>
<tr>
<th>COURSES APPLYING TO BOTH DISCIPLINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-345, Shakespeare: Tragedies and Histories</td>
</tr>
<tr>
<td>E-346, Shakespeare: Comedies and Romances</td>
</tr>
</tbody>
</table>

TOTAL HOURS IN ENGLISH MINOR FOR THEATRE ARTS MAJOR | 24 hours

1ST YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>4</td>
</tr>
<tr>
<td>Stage Voice (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Shakespeare (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Speech for Teachers (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy (3 credits)</td>
<td>3</td>
</tr>
</tbody>
</table>

| TOTAL HOURS IN ENGLISH MINOR | 18 |

TA THEATRE ARTS

LOWER DIVISION

<table>
<thead>
<tr>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>019 Theatre Symposium (no credits)</td>
</tr>
<tr>
<td>101-102 Technical Theatre (4 credits)</td>
</tr>
<tr>
<td>107 Introduction to Theatre (3 credits)</td>
</tr>
<tr>
<td>111-112 Technical Theatre (4 credits)</td>
</tr>
<tr>
<td>162 Stage Make-up (3 credits)</td>
</tr>
<tr>
<td>212 Movement and Dance for the Performing Artist (3 credits)</td>
</tr>
</tbody>
</table>

SCHOOL OF ARTS & SCIENCE

214-216 Acting (3 credits) | Entails study of and practice in the basic principles, terminology, and disciplines of the acting art. Fundamentals of speech and movement for the actor, the history and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated. One hour lecture, two hours lab per week required. Fall, Spring semesters. |
| 220 Cinema: History and Aesthetics (3 credits) | 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. Selected motion pictures projected and discussed in class. Each semester. |
| 230 Television: History and Aesthetics (3 credits) | An examination of television as an important medium from critical and historical viewpoints. Course includes a study of dramatic and comedic types, the development of specialized programming, and the social and commercial influences on program content. Spring semester. |
| 244 Major Production Participation (1 credit) | Significant participation in a major college production in some phase of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours. Each semester. |
| 245 World Drama 500 BC-1570 (3 credits) | 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. Alternate Fall semesters. |
| 246 World Drama 1570-1870 (3 credits) | Same as TA 341, except that the period covered is from 1570 A.D. through 1870. Alternate, Spring semester. |
| 247 World Drama 1870 to 1960 (3 credits) | Same as TA 341 except that the period covered is from 1870 to 1960. Alternate Fall semesters. |
| 351 Elements of Stage Design (3 credits) | Major skills of beginning design. Included will be the 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. Prerequisite: TA 117-118. Fall semester. |
| 352 Costume Design (3 credits) | Major skills of beginning costume design. Included will be the 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. Prerequisite: TA 117-118. Fall semester. |
| 362 Stage Lighting Design (3 hours credit) | 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. Prerequisite: TA 117-118. Alternate Spring semesters. |
| 401-402 Directing (3 credits) | Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems of directing are presented. Prerequisite: Upper Division standing. Each semester. |
| 412 Movement and Dance for the Performing Artist (3 credits) | For the theatre student and the experienced dancer. The first half of the semester covers improvisation, simple choreography, and ballet barre work. The second half covers jazz warm-ups and choreography, culminating in a formal performance. The second half requires much out-of-class work. The class may be repeated once for credit. Maximum credits TA 212 and/or 412 6 credits. Each semester. |
| 484 Musical Theatre History (3 credits) | Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 300 B.C. through approximately 1500 A.D.; the second semester from the Elizabethan period through the end of the 19th century. Fall, Spring semesters. |
| 485 Contemporary Drama (3 credits) | A study of world drama since 1960 with an emphasis on current research materials and techniques. Alternate spring semesters. |
| 486 Senior Projects (3 credits) | A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be carried out by a formally written, fully documented thesis describing his production and the concept involved. Spring semester. |
DEPARTMENTS AND FACULTY

DEPARTMENT OF ACCOUNTING AND DATA PROCESSING:
Chairman and Associate Professor: Dr. Gordon Pirrong; Associate Professors: Behling, Carson, Cox, Hemingway, Jackson, MacMillan, Medlin, Merz; Assistant Professors: Bradley, Millier.

DEPARTMENT OF BUSINESS EDUCATION AND OFFICE ADMINISTRATION:
Chairman and Professor: Dr. Marvin A. Clark; Professors: Brender, Cornwell, Manship; Associate Professors: Bounds, Williamson; Assistant Professors: Carlton, Warberg; Instructor: Butler.

DEPARTMENT OF ECONOMICS:
Chairman and Professor: Dr. Richard D. Payne; Professors: Asmus, Billings, Holley, Lamborn, Mitchell; Associate Professors: Draayer, Lichtenstein, Sula; Assistant Professor: Reynolds.

DEPARTMENT OF MANAGEMENT AND FINANCE:
Chairman and Professor: Dr. Roger D. Roderick; Professors: Allen, Phillips, Stitzel, White; Associate Professors: Bohner, Doss, Fitzpatrick, Gardner, Groebner, Kinslinger, Nix, Shannon, Tipton, Waldorf, Wilterding; Assistant Professors: Gallup, Heist, Kettlewell, Lyon, Munson.

DEPARTMENT OF MARKETING AND MID-MANAGEMENT:
Chairman and Professor: Dr. Duston R. Scudder; Professor: Knowlton; Associate Professors: Lane, Lincoln, McCain; Assistant Professor: Bahn.

SCHOOL OF BUSINESS EMERITI:
Albertson, Bushby, Edlefson, Johnson, Roe, Wilson.

OBJECTIVES OF THE SCHOOL OF BUSINESS

The School of Business at Boise State University is a unique and evolving product of a rapidly growing and changing State of Idaho. The School's overall purpose is to encourage individual students' intellectual growth. Teaching is recognized as the major responsibility of the faculty. The nature of the University setting in the State capital and population center, which does not offer community college opportunities, establishes special demands on the School to respond to community needs in addition to traditional University education. The overall goal of the School of Business is to offer a high quality program of education in business. Specific objectives are to:

1. prepare graduates for entrance level positions in:
   a. management and functional areas of business
   b. specialized occupations, such as accounting, marketing, and office management
   c. business teaching
   d. positions requiring a two-year course of study, such as fashion merchandising, mid-management, and office occupations

2. prepare graduates for entrance into graduate schools

3. offer courses for non-business students to assist them in the assumption of their citizenship responsibilities and understanding of the free enterprise system

4. provide graduate courses leading to the MBA and MS, Accounting degrees and others as developed to meet community needs
SCHOOL OF BUSINESS

(5) serve the non-student population of Idaho by offering management development programs and faculty expertise through applied research.

It is our belief that these objectives can be accomplished by quality classroom teaching, research, seminars, informal discussions and community service. The people we serve should benefit both personally and professionally through contact with the School of Business, whether it is for a lecture, a semester, or a degree.

SPECIAL REQUIREMENTS AND OPTIONS

The Bachelor of Business Administration degree is available by completing all requirements for that degree as listed on the following pages under the appropriate major. Additionally, School of Business students may qualify, at their option, for the BA or BS degree by completing the additional liberal arts or science courses required for those degrees. (See page 25 for BA or BS requirements). Faculty advisors should be consulted about these additional requirements.

Advanced Placement. Students with a background in material covered by a specific course because of training in high school, business college, or work experience, may request direct placement in higher level courses of that area. Any credit hours saved by such placement may be used as electives. CLEP or challenge examinations are available for this purpose. See page 16 for available CLEP tests.

Two-year Programs. Specialized curricula in Mid-Management, Fashion Merchandising, Word Processing and Secretarial Programs areas are offered in addition to the baccalaureate programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the A.S. degree. Credits earned in such courses may be later applied toward the Bachelor's degree but students should understand that they may be required more than an additional 64 hours of credit to meet all requirements for the Bachelor's degree.

Transfer of Credits. In general, the School of Business shall limit transfer of credits for business courses which apply toward degree requirements to such courses as it offers at that level. In most cases, waiver of upper division level course requirements may be granted by departments which establish and administer tests to determine student competency in 200-300 level transfer courses before admission to upper division level courses.

Internships. Idaho companies and governmental institutions provide opportunities for students to develop business skills. Students accept responsibilities with company management and BSU School of Business faculty members. Academic credit along with financial compensation is possible.

BACHELOR DEGREE PROGRAMS

NOTE: The student will find under each major the particular course of study to follow. Where the term "General Electives" or Area I, II, or III appear, refer to the inclusive listing of courses in the areas in Part II. Graduation Requirements. See page 26 for BBA requirements, and pages 25-26 for B.A. or B.S. requirements.

All school of Business baccalaureate degree candidates are required to complete the following lower division courses prior to enrolling in upper division courses in the School of Business:

- AC-205 Introduction to Financial Accounting
- AC-206 Introduction to Managerial Accounting
- DP-210 Introduction to Data Processing
- EC-201 Principles of Economics-Macro
- EC-202 Principles of Economics-Micro
- GB-202 Business Law
- GB-207 Statistical Techniques I
- OA-238 Applied Business Communications
- M-105-106 Math for Business Decisions, or equivalent

All university 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 School of Business.

School of Business baccalaureate candidates are required to complete the following upper division courses prior to GB 450, Business Policies, which is also a required core course:

- MG-301 Principles of Management
- MK-301 Basic Marketing Management
- FI-303 Principles of Finance
- MG-345 Principles of Production Management

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

ACCOUNTING MAJOR
Bachelor of Business Administration Program

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<th>SOPHOMORE YEAR</th>
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<tbody>
<tr>
<td>* Intro to Finance Accounting AC 205</td>
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<td>* Intermediate Accounting I AC 207</td>
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<tr>
<td>* Principles of Economics EC 201-202</td>
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<td>Applied Bus. Comm. OA 238</td>
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<tr>
<td>* Intro to Data Processing DP 210</td>
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<td>* Statistical Techniques I GB 207</td>
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<td>General Electives (Areas I, II, III)</td>
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<td>* Inter. Accounting II and III AC 304-306</td>
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<tr>
<td>** Cost Accounting AC 351</td>
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<td>* Managerial Accounting AC 352</td>
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<td>* Income Tax AC 401</td>
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<td>* Business Law II GB 302</td>
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<td>** Prin. of Management MG 301</td>
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<td>** Auditing AC 405</td>
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<td>** Human Resource Management MG 401</td>
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<td>** Business Policies GB 450</td>
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<td>Prin of Prod Mgt MG 345</td>
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<tr>
<td>General Electives</td>
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*Prerequisite for UD accounting courses.
**Required UD courses.

In addition to general university requirements, the following courses are required for an accounting major:

- Business Courses: MK 301, GB 202, GB 302, FI 303, EC 303, OA 238, MG 301, MG 401; plus either EC 301 or EC 305.
- Accounting Courses: AC 205, AC 207, AC 304, AC 306, AC 351, AC 352, AC 401 (or AC 320); AC 405, AC 470.

Core Courses: The following courses (or permission of the instructor) are prerequisites for all upper division accounting courses:

- AC 205, AC 207, E 101, E 102, EC 201, EC 202, GB 207, DP 210, plus M 106 or M 112.

Note: Students planning to sit for the uniform CPA examination are strongly advised to include AC 402, AC 482, and DP 420 in their program.
SCHOOL OF BUSINESS

INFORMATION SCIENCES MAJOR
Bachelor of Business Administration Program

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<td>Decisions GB 366</td>
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BUSINESS EDUCATION MAJOR
(Basic Business Option)
Bachelor of Business Administration Program

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<td>Money and Banking EC 301</td>
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<td>Electives</td>
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<td>Business Curriculum and Methods Seminar BE 421</td>
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<td>Educational Psychology P 325</td>
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* Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better. At least two credits of typewriting at the intermediate level or above are required.

NOTE: Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 29 for more information.

BUSINESS EDUCATION MAJOR
(Basic Business Option with Distributive Education Emphasis)
Bachelor of Business Administration Program

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<td>Business Math/Machines OA 115</td>
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<td>Merchandise Analysis MM 102</td>
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<td>Statistical Tech I GB 207</td>
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### SCHOOL OF BUSINESS

#### JUNIOR YEAR:

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*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better. At least two credits of typing at the intermediate level or above are required.*

#### SENIOR YEAR:

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*If a minor is available in Consumer Education, this minor program would be valuable to those planning to teach Consumer Economics or other consumer education topics.*

#### BUSINESS EDUCATION MAJOR

**Bachelor of Business Administration Program**

#### FRESHMAN YEAR:

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#### MINOR IN CONSUMER EDUCATION

A minor is available in Consumer Education. This minor program would be valuable to those planning to teach Consumer Economics or other consumer education topics.

### ECONOMICS MAJOR

**Bachelor of Arts Program**

#### FRESHMAN YEAR:

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*NOTE: Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 29 for more information.*
**ECONOMICS MAJOR**
Bachelor of Business Administration Degree

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See pages 25 for clarification of fields in B.A. degree.
**Economics Courses—30 hours**
- Required Course: EC 201, 202, 303, and 305—12 hrs.
- Other Upper Division Economics Courses—18 hrs.

**FINANCE MAJOR**

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**SCHOOL OF BUSINESS**

Financial Management I FI 325 .......................... 3
**Major Elective** ........................................... 3
General Electives (Area I, II, III) ................. 4 4
Prin of Prod Mgt MG 345 .................................. 3

1ST SEM. 2ND SEM.

**SENIOR YEAR:**
Mgmt. of Financial Institutions FI 417 .......... 3 —
Senior Seminar in Finance FI 498 ............ — 3
Investment Management FI 450 ...................... 3 —
Human Resource Mgmt. MG 401 ............. — 3
Financial Management II FI 326 ............. — 3
Bus. Ethics, and Social Resp. GB 360 ........ 3 —
Business Policies GB 450 ......................... — 3
**Major Elective** ........................................... 3
General Electives ......................................... 6 —

15 15

*Students desiring to take Cost Accounting should take Cost Accounting in place of Intermediate or Managerial Accounting as finance electives.

**Finance Electives:**
Intermediate and/or Managerial and Cost Accounting AC 207, 352, 351
Real Estate Finance RE-360
Senior Seminar in Finance FI 498—One required — second recommended.
Public Finance EC 310

**GENERAL BUSINESS MAJOR**

**FRESHMAN YEAR:**
English Composition E 101-102 .......................... 3 3
Fund. of Speech Comm. (Area II) CM 111 .............. 3 —
Gen. Psychology (Area II) P 101 .......................... 3 —
Math (Area III) M 105, M 106 or M 111-204 ........ 4 4
Area I Elective ............................................. 3 3
Area II Elective ............................................ 3 —
Gen. Elective (Area I, II, III) ......................... 3 —

1ST SEM. 2ND SEM.

**SOPHOMORE YEAR:**
Economics (Area II) EC 201-202 .......................... 3 3
Intro to Fin & Mgr Acct AC 205-206 .............. 3 3
Applied Bus. Communications OA 238 ............. 3 —
Statistical Tech I GB 207 ............................... 3 —
Intro. to Data Processing DP 210 ................... 3 —
Business Law I GB 202 ................................. 3 3
Gen. Elective (Area I, II, III) ......................... 4 3

1ST SEM. 2ND SEM.

**JUNIOR YEAR:**
Basic Marketing Mgmt. MK 301 ......................... 3 —
Principles of Management MG 301 .................. 3 —
Inter. Microeconomics EC 305 .......................... 3 —
Principles of Finance FI 303 ......................... 3 —
Prin of Inc Tax AC 401 ................................... 3 —
Human Resource Mgmt. MG 401 ..................... 3 —
Business Ethics and Social Resp. GB 360 ... 3 —
Statistical Tech II GB 208 ............................. 3 —
General Electives (Area I, II, III) .......... 3 —
General Electives ......................................... 4 —

1ST SEM. 2ND SEM.

**SENIOR YEAR:**
Financial Mgmt. I and II FI 325-326 ................. 3 3
Govt. & Business GB 441 ............................... 3 —
Prin of Prod Mgt MG 345 ............................... 3 —
Organization Dynamics MG 405 ..................... 3 —
Inter. Marketing Management MK 320 ........ 3 —
Bus. Ethics, and Social Resp. GB 360 .... 3 —
Gen. Elective (Area I, II, III) ....................... 3 —
General Electives .................. 6 —

15 15

**INDUSTRIAL BUSINESS MAJOR**
Bachelor of Business Administration Program

**PRODUCTION OPTION**

**FRESHMAN YEAR:**
English Composition E 101-102 .......................... 3 3
Algebra, Trig., Calculus M-111, M-204 .................. 5 5
Essentials of Chemistry (w/lab) C 107-108, 109-110 .... 4 4
Digital Computer Programming EN 104 ............. 2 —
Physics I PH 220 ......................................... 2 3
Engineering Fundamentals EN 107-108 .............. 2 2

1ST SEM. 2ND SEM.

**SOPHOMORE YEAR:**
Physics II & III PH 221-222 ......................... 3 3
Calculus & Anal. Geometry M 205-206 ............. 4 4
Statistical Tech. For Decision .................. 3 —
Statistical Tech. for Decision ................. 3 —
Making II GB 208 ....................................... 3 —
Intro. to Financial Accting. AC 205 .............. 3 —
Intro. to Managerial Accting. AC 206 ........... 3 —
Applied Business Comm. OA 238 ................. 3 —
General Psychology P 101 ............................. 3 —

1ST SEM. 2ND SEM.

**JUNIOR YEAR:**
Prin. of Economics EC 201-202 ......................... 3 3
Basic Marketing Mgmt. MK 301 .................. 3 —
Intro. to Mechanics EN 205 .......................... 3 —
Fund. of Speech Comm. CM 111 ..................... 3 —
Quantitative Analysis GB 366 ..................... 3 —
Area I Elective ........................................... 3 3
Principles of Management MG 301 ............ 3 —
Business Law I GB 202 ............................... 3 —
Prin of Prod Mgt MG 345 .............................. 3 —

1ST SEM. 2ND SEM.

**SENIOR YEAR:**
Human Resource Mgmt. MG 401 .......................... 3 —
Principles of Finance FI 303 ......................... 3 —
Operations Mgmt. MG 408 ............................ 3 —
Prin. of Income Tax. AC 401 ....................... 3 —
Decision Analysis MG 409 ............................ 3 —
Mechanics of Material EN 306 ..................... 3 —
Intermediate Microeconomics EC 303 ............ 3 —
Electives* ............................................... 3 —
Bus. Ethics and Social Resp. GB 360 ........... 3 —
Business Policies GB 450 .............................. 3 —

1ST SEM. 2ND SEM.

*Production Option Electives:
Compensation Management MG 406
Fluid Mechanics EN 201
Labor Relations MG 340
Labor Law MG 330
Thermodynamics and Heat Transfer EN 320
Mechanics of Materials-EN 306

**MANAGEMENT MAJOR**
Bachelor of Business Administration Program

**BEHAVIORAL OPTION**

**FRESHMAN YEAR:**
English Composition E 101-102 .......................... 3 3
Fundamentals of Speech Communication (Area II) CM 111 .... 3 —
General Psych. (Area II) P 101 ..................... 3 —
Mathematics (Area III) M 105-106 or M 111-204 .... 4 4
Area I Electives ........................................... 3 3
Science Elective .......................................... 4 —
Gen'l Electives (Area I, II, III) ............ 3 —

16 17
## Sophomore Year

**Juniors Year:**

- Principles of Economics EC 201-202: 3
- Intro. to Financial Accounting AC 205: 3
- Introduction to Managerial Accounting AC 206: 3
- Applied Business Comm. OA 238: 3
- Statistical Tech. for Decision Making I GB 207: 3
- Intro. to Data Processing DP 210: 3
- General Electives (Area I, II or III): 4
- Business Law I GB 202: 4

**Senior Year:**

- Bus. Ethics and Social Resp. GB 360: 3
- Organizational Dynamics MG 405: 3
- Decisions Analysis MG 409: 3
- Operations Mgmt. MG 406: 3
- Business Policies GB 450: 3
- Government and Business GB 441: 3
- General Electives (DP-345 suggested): 3
- General Electives: 3

## Quantitative Option

**Freshman Year:**

- English Composition E 101-102: 3
- Fund. of Speech Comm. (Area II) CM 111: 3
- Principles of Management MG 301: 3
- Principles of Finance FI 303: 3
- Intermediate Microeconomics EC 303: 3
- Intermediate Macroeconomics EC 305: 3
- Business Law I GB 202: 4
- General Electives: 4

**Sophomore Year:**

- Economics EC 201-202: 3
- Financial and Managerial Accounting AC 205-206: 3
- Applied Business Comm. OA 238: 3
- Statistical Tech. for Decision Making I GB 207: 3
- I GB 208: 3
- General Electives (Area I, II, III): 3
- Business Law I GB 202: 4

## Industrial Relations Option

**Freshman Year:**

- English Composition E 101-102: 3
- Fund. of Speech Comm. (Area II) CM 111: 3
- General Psychology (Area II) P 101: 3
- Mathematics M 105-106 or M 111-204: 4
- General Electives: 4

**Sophomore Year:**

- Principles of Management MG 301: 3
- Principles of Finance FI 303: 3
- Intermediate Microeconomics EC 303: 3
- Intermediate Macroeconomics EC 305: 3
- Principles of Transportation GB 325: 3
- General Electives (Area I, II, III): 3
- Business Policies GB 450: 3
- General Electives: 4

## Aviation Option

**Freshman Year:**

- English Composition E 101-102: 3
- Fund. of Speech Comm. (Area II) CM 111: 3
- General Psychology (Area II) P 101: 3
- Mathematics M 105-106 or M 111-204: 4
- General Electives: 4

**Sophomore Year:**

- Principles of Management MG 301: 3
- Principles of Finance FI 303: 3
- Intermediate Microeconomics EC 303: 3
- Intermediate Macroeconomics EC 305: 3
- Principles of Transportation GB 325: 3
- General Electives (Area I, II, III): 3
- General Electives: 4

## Junior Year:

**Senior Year:**

- Airport Management AV 331: 3
- Aviation Law AV 371: 3
- Human Resource Mgmt. MG 401: 3
- Government & Business GB 441: 3
- Business Policies GB 450: 3
- General Electives (Area I, II, III): 3
- General Electives: 3

## Industrial Relations Option

**Freshman Year:**

- English Composition E 101-102: 3
- Fund. of Speech Comm. (Area II) CM 111: 3
- General Psychology (Area II) P 101: 3
- Mathematics M 105, M 106 or M 111-204: 4
- General Electives: 4
| Area I Electives                  | 3   | 3   |
| Science Elective                | 4   |     |
| General Electives (Area I, II, III) | 3   |     |

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<td>Intro. to Financial Accting. AC 205</td>
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<tr>
<td>Intro. to Managerial Accting. AC 206</td>
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</tr>
<tr>
<td>Intro. to Data Processing DP 210</td>
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</tr>
<tr>
<td>Bus. Communications OA 238</td>
<td>3</td>
</tr>
<tr>
<td>Law of Real Estate RE 220</td>
<td>3</td>
</tr>
<tr>
<td>Statistical Tech. for Decision Mkg. I GB 207</td>
<td>3</td>
</tr>
<tr>
<td>General Electives (Area I, II, III)</td>
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### JUNIOR YEAR

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Intermediate Microeconomics EC 303</td>
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<tr>
<td>Regional Economics EC 321</td>
<td>3</td>
</tr>
<tr>
<td>Basic Marketing Mgmt. MK 301</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management MG 301</td>
<td>3</td>
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<tr>
<td>Principles of Finance FI 303</td>
<td>3</td>
</tr>
<tr>
<td>Real Estate Finance RE 360</td>
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### MARKETING MAJOR

Bachelor of Business Administration Program

### FRESHMAN YEAR

<table>
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<tbody>
<tr>
<td>English Composition E 101-102</td>
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</tr>
<tr>
<td>General Psychology** P 101</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics M 105-106 or M 111-204</td>
<td>4</td>
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<tr>
<td>Area I Electives**</td>
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</tr>
<tr>
<td>Electives***</td>
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<tr>
<td>Fund. of Speech Comm. (Area II) CM 111</td>
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### SOPHOMORE YEAR

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<thead>
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<tbody>
<tr>
<td>Prin. of Economics EC 201-202</td>
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</tr>
<tr>
<td>Intro. to Financial Accting. AC 205</td>
<td>3</td>
</tr>
<tr>
<td>Intro. to Managerial Accting. AC 206</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology** SO 101</td>
<td>3</td>
</tr>
<tr>
<td>Business Law I GB 202</td>
<td>3</td>
</tr>
<tr>
<td>Physical or Biological Science Elective</td>
<td>6</td>
</tr>
<tr>
<td>Applied Bus. Communications OA 238</td>
<td>4</td>
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<tr>
<td>Statistical Techniques I GB 207</td>
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### JUNIOR YEAR

<table>
<thead>
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<th>1ST SEM.</th>
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<tbody>
<tr>
<td>Basic Marketing Management* MK 301</td>
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</tr>
<tr>
<td>Intermediate Microeconomics EC 303</td>
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<tr>
<td>UD Economics Elective</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Finance FI 303</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management MG 301</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Electives</td>
<td>6</td>
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<tr>
<td>Electives***</td>
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<tr>
<td>Intermediate Marketing Mgmt. MK 320</td>
<td>3</td>
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<tr>
<td>Prin of Prod Mgt MG 345</td>
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### SENIOR YEAR

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<tbody>
<tr>
<td>Advanced Marketing Mgmt. * MK 425</td>
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<td>Marketing Electives</td>
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<tr>
<td>Human Resource Mgmt. MG 401</td>
<td>3</td>
</tr>
<tr>
<td>Business Policies GB 450</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Research MK 415</td>
<td>3</td>
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<tr>
<td>Electives***</td>
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</table>

**Real Estate Electives:
- Real Estate Development RE 370
- Appraisal Income Property RE 431
- Tax Factors in Business AC 230
- Principles of Income Tax AC 401

### MARKETING CORE (12 hours)

- Required for all Marketing Majors
  - MK-301 Basic Marketing Management
  - MK-320 Intermediate Marketing Management
  - MK-415 Marketing Research
  - MK-425 Advanced Marketing Management
MARKETING ELECTIVES (12 hours)

Choose any four of the following courses:
- MM-101 Principles of Salesmanship
- MK-306 Promotion Management
- MK-307 Consumer Behavior
- MK-421 Sales Administration
- MK-498 Independent Study or MK-493 Internship
- EC-317 International Economics

*See course descriptions for former course titles.
**Counts as part of the six hour Area III requirement other than in economics.
***At least 16 hours of electives must be outside of the School of Business. The 16 hours must include hours from at least two of the three defined areas I, II, III.

Your Marketing advisor will help you select the 12 hours of Marketing electives and any other open electives you want to take to prepare yourself for a career in marketing. For example, if you are interested in a career in an area such as sales, advertising, retailing, or marketing research, a program of marketing electives and open electives can be developed to best suit your individual goals. Consult your Marketing advisor.

OFFICE ADMINISTRATION MAJOR
Bachelor of Business Administration Program

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tr>
<td><strong>FRESHMAN YEAR:</strong></td>
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<tr>
<td>English Composition E 101-102</td>
<td>3</td>
</tr>
<tr>
<td>Inter. &amp; Adv. Typewriting* OA 107-209</td>
<td>2</td>
</tr>
<tr>
<td>Business Math and Machines OA 115</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology (Area II) P 101</td>
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<tr>
<td>Mathematics (Area III) M 105-106</td>
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<tr>
<td>Area I Elective</td>
<td>3</td>
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<tr>
<td>Fund. of Speech Comm. CM 111</td>
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<table>
<thead>
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<th>1ST SEM.</th>
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<tbody>
<tr>
<td><strong>SOPHOMORE YEAR:</strong></td>
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<tr>
<td>Business Law IGB 202</td>
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<tr>
<td>Intro. to Financial Acctng. AC 205</td>
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<tr>
<td>Intro. to Managerial Acctng. AC 206</td>
<td>3</td>
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<tr>
<td>Inter. &amp; Adv. Shorthand* OA 107-201</td>
<td>4</td>
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<tr>
<td>Word Proc-Machine Transcription OA 213</td>
<td>3</td>
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<tr>
<td>Area II Elective</td>
<td>4</td>
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<tr>
<td>Principles of Economics EC 201-202</td>
<td>3</td>
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<tr>
<td>Applied Business Comm. OA 238</td>
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<table>
<thead>
<tr>
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<tr>
<td>Secretarial Transcription OA 221</td>
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<tr>
<td>Basic Marketing Mgmt. MK 301</td>
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<tr>
<td>Intro. Data Processing DP 210</td>
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<tr>
<td>Statis. Tech. for Decision Making IGB 207</td>
<td>3</td>
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<tr>
<td>Principles of Finance FI 303</td>
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<tr>
<td>Tech. Writing for Business OA 336</td>
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<td>Electives (from 2 of 3 Areas)</td>
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<tr>
<td>Principles of Management MG 301</td>
<td>3</td>
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<tr>
<td>Prin of Prod Mgt MG 345</td>
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<table>
<thead>
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<tr>
<td><strong>SENIOR YEAR:</strong></td>
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<tr>
<td>Records Prep. and Mgmt. OA 309</td>
<td>3</td>
</tr>
<tr>
<td>Administrative Office Procedures OA 310</td>
<td>3</td>
</tr>
<tr>
<td>Office Management OA 317</td>
<td>3</td>
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<td>Human Resource Mgmt. MG 401</td>
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<td>Business Policies BG 450</td>
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<td>U.D. Electives</td>
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<td>Electives (from 2 of 3 areas)</td>
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<td>Intermediate Microeconomics EC 303</td>
<td>3</td>
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<tr>
<td>U.D. Econ Elective</td>
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</tbody>
</table>

A maximum of 12 credits in shorthand and 4 in typewriting will be applied to requirements for this major.

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.

SCHOOL OF BUSINESS

NOTE: Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 29 for more information.

TWO YEAR PROGRAMS

**FASHION MERCHANDISING**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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<tbody>
<tr>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
<td>Introduction to Business GB 101</td>
<td>3</td>
</tr>
<tr>
<td>Salesmanship MM 101</td>
<td>3</td>
</tr>
<tr>
<td>Clothing Construction HE 103</td>
<td>3</td>
</tr>
<tr>
<td>Business Math/Machines OA 115</td>
<td>3</td>
</tr>
<tr>
<td>Clothing Indiv. HE 107</td>
<td>3</td>
</tr>
<tr>
<td>Textiles HE 109</td>
<td>2</td>
</tr>
<tr>
<td>Elements of Management MM 105</td>
<td>3</td>
</tr>
<tr>
<td>Intro. to Financial Acctng. AC 205</td>
<td>3</td>
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<tr>
<td>Mid-Mgmt. Work Exper. MM 100</td>
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<tr>
<td>Elective</td>
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<thead>
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<tr>
<td><strong>SOPHOMORE YEAR:</strong></td>
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<tr>
<td>Consumer Marketing MM 201</td>
<td>3</td>
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<tr>
<td>Fashion Anal. &amp; Design HE 111</td>
<td>2</td>
</tr>
<tr>
<td>Fund. of Speech Comm. CM 111</td>
<td>3</td>
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<tr>
<td>Retail Buying MM 215</td>
<td>3</td>
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<td>Mid-Mgmt. Work Exper. MM 100</td>
<td>2</td>
</tr>
<tr>
<td>Report Writing MM 209</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Retailing MM 202</td>
<td>3</td>
</tr>
<tr>
<td>Visual Merchandising MM 203</td>
<td>4</td>
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<tr>
<td>Supervision of Personnel MM 206</td>
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<tr>
<td>Elective</td>
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</table>

*Students who meet all listed courses under 2-year programs will be awarded the Associate of Science degree. Diplomas will not be awarded to partial completion of requirements.

**For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing/Mid-Management.

MARKETING—MID-MANAGEMENT*

<table>
<thead>
<tr>
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<tr>
<td>English Composition E 101-102</td>
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<tr>
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<tr>
<td>Business Math/Machines OA 115</td>
<td>3</td>
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<tr>
<td>Salesmanship MM 101</td>
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<tr>
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<tr>
<td>Merchandise Analysis MM 102</td>
<td>3</td>
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<tr>
<td>Mid-Management Work Ex. MM 105</td>
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<tr>
<td>Elements of Management MM 106</td>
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<td>Fund. of Speech-Comm. CM 111</td>
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<tr>
<td>Consumer Marketing MM 201</td>
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<td>Principles of Retailing MM 202</td>
<td>3</td>
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<tr>
<td>Prin. of Economics, Macro EC 201</td>
<td>3</td>
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<tr>
<td>Visual Merchandising MM 203</td>
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<tr>
<td>Report Writing MM 209</td>
<td>3</td>
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<tr>
<td>Supervision of Personnel MM 206</td>
<td>3</td>
</tr>
<tr>
<td>Retail Buying MM 215</td>
<td>3</td>
</tr>
<tr>
<td>Credit and Collections MM 213</td>
<td>2</td>
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<tr>
<td>Mid-Mgmt. Work Exper. MM 100</td>
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<td>Electives</td>
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</tbody>
</table>

*For students at Mountain Home Air Force Base there are minor changes regarding this program. See Base Education Officer or the Chairman of the BSU Department of Marketing/Mid-Management.

87
OFFICE SYSTEMS
Associate of Science Degree
WORD PROCESSING PROGRAM

FRESHMAN YEAR:

SEM.
1ST
2ND

SEM.

English Composition E 101-102
3
3

Introduction to Business GB 101
2
2

Beginning Shorthand* OA 101
4
4

Beginning Typing* OA 105
2
2

Applied Business Comm. OA 238
3
3

OA Elective
1
1

Fund. Speech-Comm. CM 111
3
3

Intermediate Shorthand* OA 121
4
4

Intermediate Typing* OA 107
2
2

Business Math/Machines OA 115
3
3

16
15

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.

NOTE: Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 29 for more information.

AC ACCOUNTING

LOWER DIVISION

205 Introduction to Financial Accounting (3 credits). (Previously AC 206). This course is designed to introduce the student to the field of contemporary financial accounting as practiced in the United States. The student will study the use of and need for financial statements in the business community. An understanding of financial statements will be accomplished through studies of accounting terminology, the theoretical framework of financial statements, and an overview of the basic double entry accounting cycle. The emphasis in the course will be on obtaining a working understanding of financial statements. Detailed accounting procedures will be included in the extent that the interface between accounting procedures and statement user information aids this understanding process. Each semester.

206 Accounting Theory (3 credits). (Previously AC 207). This course is designed to introduce the non-accounting major to the methodologies applied in cost and managerial accounting. The student will study an overview of manufacturing accounting with emphasis on job order and process costing of manufactured inventories and standard costing with related variance analysis. The student will receive an introduction to contemporary managerial accounting tools such as capital budgeting, cost-volume-profit analysis, inventory, and the impact of income taxes on decision making. This course is not recommended for degree credit by accounting majors. Prerequisite: AC 205. Each semester.

207 Intermediate Accounting I (3 credits). (Previously AC 301). A rapid review of basic accounting principles and procedures, followed by problems relating to the valuation and presentation of property, liability, and corporate proprietorship items, and the measurement of net income. Analytical accounting procedures, and the preparation of advanced working sheets and comprehensive corporate financial statements; development of special reports, ratios and other analyses. Prerequisite: AC 205 or its equivalent. Each semester.

UPPER DIVISION

304-306 Intermediate Accounting II and III (3 credits each). A rapid review of basic accounting principles and procedures, followed by problems relating to the valuation and presentation of property, liability, and corporate proprietorship items, and the measurement of net income. Analytical accounting procedures, and the preparation of advanced working sheets and comprehensive corporate financial statements; development of special reports, ratios and other analyses. Prerequisite: lower division core. Each semester.

320 Tax Factors in Business Decisions (3 credits). A general introduction for students and businesswomen who, while not tax specialists, need an awareness of the impact of federal income tax laws on business operations. This course will explore the areas of federal income, estate and gift tax laws as they affect business operating and financing decisions. Degree credit will not be allowed for both AC 320 and AC 401. Prerequisite: AC 205, lower division core or permission of instructor. Each semester.

351 Cost Accounting (3 credits). (Previously AC 301). Theory of cost accounting cost control, including job order process, direct and standard costs, budgeting and breakeven analysis. Emphasis on cost determination as a tool of management and production control. Prerequisite: lower division core or permission of instructor. Each semester.

352 Managerial Accounting (3 credits). A study of the development and uses of internal accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, behavioral implications, computer applications, and analytical methods such as gross profit, breakeven, and incremental cost analysis. Prerequisite: AC 351, lower division core or permission of instructor. Each semester.

360 Governmental Accounting (3 credits). A study of the accounting principles applicable to institutions, nonprofit agencies, governmental units, and political subdivisions. The supporting theory, procedures, legal and reporting requirements, programmed budgeting, and cost-benefit analyses are considered. Prerequisite: lower division core or permission of instructor. Either semester.

401 Principles of Income Taxation (3 credits). (Previously Individual Income Tax). The theory and application of Federal income taxes to individuals, including an introduction to Federal income tax and employment taxes and an introduction to income determination. Degree credit will not be allowed for both AC 320 Tax Factors in Business Decisions and AC 401. Prerequisite: lower division core or permission of instructor. Fall semester.

402 Advanced Income Taxation (3 credits). (Previously Corporate Taxation). The theory and application of the Federal income tax to corporations, including Federal income tax, and an introduction to partnership, trust, and estate and gift taxation. Prerequisites: AC 306 and either AC 325 or AC 401, lower division core or permission of instructor. Spring semester.

405 Auditing (3 credits). A study of the scope and purpose of the work of the Certified Public Accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the Securities Exchange Commission; approach to an audit; and accumulation of the evidence upon which the auditor bases his report. Prerequisite: AC 306, lower division core or consent of instructor. Each semester.

420 Systems Analysis and Design (3 credits). Concepts and techniques of the design of information systems. Topics include Systems Theory, Data Collection Classification, Transaction Processing, Display, On-Line Systems and Time Sharing. Course leading to DP 420. Credit may not be earned for both courses. DP 420 and AC 420. Prerequisites: lower division core or permission of instructor. Spring semester.

4400 Accounting Theory (3 credits). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. May be taken for graduate credit. Prerequisite is AC 306 or by permission of instructor. Spring semester.

450 Data Processing for the Accountant (3 credits). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. Prerequisites: lower division core or by permission of instructor. Either semester.

470 Advanced Accounting (3 credits). An in-depth study of partnership organization; liquidation and dissolution; business combinations and consolidated financial statements; segmental reporting: multinational companies and the variations in international accounting standards including currency exchange rate translations; fiduciary accounting principles; and an introduction to non-profit reporting. Prerequisite: AC 306 or permission of instructor. Each semester.
482 C.P.A. Problems (3 credits). An in-depth consideration of the more complex accounting principles and procedures taught on the undergraduate level. This course is designed to assist the student in preparing for the Certified Public Accountant examination. Prerequisites: AC 409 and AC 410, or consent of instructor. Spring semester.

AV AVIATION MANAGEMENT

LOWER DIVISION

101 Aviation Ground School (3 credits). Survey of basic aerodynamics, meteorology, navigation, and Federal Aviation Agency regulations. At termination, the student will take a Private Pilot examination. This course is designed to develop an understanding of the historical development of aviation and the development of scientific laws and basic theory of flight. Each semester.

201 Commercial Pilot Ground School (3 credits). The study of weather, navigation, radio communications, federal regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. Prerequisite: Private Pilot Certificate. Fall semester.

285 Introduction to Aviation Management (3 credits). Each semester. This course is designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operations, manpower management and career opportunities in the field will be featured.

UPPER DIVISION

331 Airport Management (3 credits). Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight-deck and maintenance crew services, operation and maintenance of public facilities. Prerequisite: AC 205.

331 Aviation Law (3 credits). This course provides the student with an overview of fundamental aviation law decisions. A chronological coverage of air law, federal and state regulatory functions, liens and security interest in aircraft is emphasized.

450 Colloquium in General Aviation (3 credits). Spring semester. Selected readings and topics on current problems in relation to General Aviation. Contact with representatives in the business to the operation and management of fixed base operations. Specifiers as a career field will be featured. Prerequisite: Senior status in aviation management or consent of instructor.

BE BUSINESS EDUCATION

UPPER DIVISION

401 Methods in Business Education (3 credits). Methods and materials in instruction in business subjects. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching. Fall semester.

405 Methods and Materials in Distributive Education (2 credits). Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. Fall semester.

411 Consumer Education in the Schools (3 credits). A course for students preparing to teach consumer education. The objective of the course is to introduce practicing teachers to teaching methodology appropriate to consumer education. Course objectives, curriculum organization in the schools, learning outcomes, teaching-learning strategies and evaluation techniques will be considered. Specifics as a career field will be featured. Prerequisite: Senior level or consent of instructor. Fall or Spring semester.

421 Business Curriculum and Methods Seminar (3 credits). A seminar-type class dealing with current issues and methods in the fields of business curriculum, research, and vocational guidance. Attention will be given to vocational guidance in counseling students, curriculum development, and community influence and impact. Individual research and presentation is emphasized. Spring semester.

441 Principles and Organization of Vocational Education Programs—Job Analysis (3 credits). Philosophy, history, purpose and organization of vocational education programs. Occupational analysis to include nature and use of occupational information, labor force opportunities, job values, job analysis, job descriptions, and job requirements. Role of business and government in vocational education. Spring semester.

449 Administration and Coordination of Cooperative Programs (3 credits). Selection, guidance, placement, and follow-up students in training stations. Prerequisite: Graduate Status. Fall semester.

471 Business Student Teaching (6 credits). Supervised teaching under the direction of qualified, business-teacher-education specialists. Prerequisite: BE 401 and permission of director. Spring semester.

DP DATA PROCESSING

LOWER DIVISION

210 Introduction to Data Processing (3 credits). A general interest course to acquaint students with the fundamentals of automated data processing. The course will introduce the principles of computerized data processing, systems analysis, problem solution through the use of logic and computer programming skills, the role of data in the business community, and the impact the computer is having on management and society. Students will have the opportunity to prepare and run computer programs using the University IBM 360 computer system. Each semester.

320 Data Processing Techniques (3 credits). An introduction to computer programming in a high level language, and a review of programming systems that are currently in use, including compiler systems, time-sharing systems, and simulation systems. Program flow-charting, development and implementation to solve common business problems will be emphasized. Systems analysis and data design activities will be incorporated into class exercises. Prerequisite: DP 210 or equivalent. Each semester.

341 Simulation Techniques (3 credits). Basic concepts in simulation; simulation in business including inventory systems and scheduling systems; simulation of decision-making by individuals and group organizations. Models of varying degrees of sophistication will be considered and implemented in FORTRAN IV and other available simulation languages. Prerequisite: DP 220 and M 106. Fall semester.

380 Programming Systems—COBOL (3 credits). A specific course based on the COBOL programming language that will give the student a capability to write highly sophisticated programs pertaining to business data processing problems. Prerequisite: DP 210 or equivalent. Spring semester.

493 Data Processing Applications (3 credits). An in-depth study of current business computer applications and the function of data processing in the modern business enterprise. Incorporated into the broad-based study will be consideration of data base, MIS, fraud, computer acquisition, international computer networks and the ethics and responsibilities of the data processing professional in the business organization. Fall semester.

420 Systems Analysis and Design (3 credits). Concepts and techniques of the analysis and design of information systems. Topics include systems theory, tools and techniques of system analysis, the role of the systems analyst in the business enterprise, computerized information systems and an introduction to AC 420, credit may not be earned for both courses. Prerequisites: DP 210 and AC 205. Spring semester.

EC ECONOMICS

UPPER DIVISION

201 Principles of Economics-Macro (3 credits). Introduction to the use of economic principles to analyze the aggregate or macroeconomic performance of developed, market economies. Emphasis on economic conditions and policy to current national economic and political aspects of the international macroeconomic issues. Special attention to the goals and problems of high employment, price level stability, economic growth, the balance of international payments and the relevant monetary, fiscal and other policy instruments utilized to accomplish these policy goals. Each semester.

202 Principles of Economics-Micro (3 credits). An introduction to microeconomic analysis: Covering supply and demand, the basic market structures, the operation of the price system, aggregate production and income. This course provides an introduction to some applied areas of economics such as international, regional, the public sector, and economic development. Each semester.

210 Contemporary Economic Problems (3 credits). A one semester introduction to economic problems centered around selected contemporary economic issues and policy problems. Prerequisite: Senior or consent of instructor. Fall semester.

210 Environmental Economic Problems: Economics and The Quality of Life (3 credits). Choices must be made between the kind of economic growth society wants and the resulting quality of life. Environmental impacts of growth, including air, water and noise pollution, urban congestion, natural resource depletion and population pressures will be examined. Policy prescriptions and economic implications of environmental control will be discussed. Fall semester.

UPPER DIVISION

301 Money and Banking (3 credits). Analysis of the role of money, credit and the financial system in the U.S. Economy. Study through the economics of commercial and central banks. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. Prerequisite: EC 201, 202. Each semester.

302 Intermediate Microeconomics (3 credits). An analysis of the price mechanism and its role in allocation, consumption and production. Areas receiving special attention include consumer choice and demand, theories of production and cost, and the economic performance implied by various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. Prerequisite: EC 202. Each semester.

303 Intermediate Macroeconomics (3 credits). Analysis of the determinants of the level of national income, employment, productivity and the price level. Study of the effects of economic policy instruments and decisions on aggregate economic performance goals. Prerequisite: EC 201. Each semester.

304 Public Finance (3 credits). A study of the role and impact of government on the functioning of the economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined. Considerable attention will be paid to the effects of government activity upon such things as the allocation of resources and the distribution of income. Some attention will be paid to state and local problems. Prerequisite: EC 201, 202. Spring semester.

311 History of Economic Thought (3 credits). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. Prerequisite: EC 201-202. Fall semester.

312 Comparative Economic Systems (3 credits). A comparative study of the goals and methods of various economic systems, such as capitalism, socialism and communism. Theoretical approaches will be approached from both a theoretical and practical point of view. Prerequisite: EC 201, 202, or by permission. Either semester.

317 International Economics (3 credits). The benefits, costs 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 mechanisms and analysis of international payments adjustment and the institutions of the international monetary system. Prerequisite: EC 201, 202, Either semester.
321 Regional Economics (3 credits). Application of economic analysis to regional problems of structure, growth and policy. Location analysis, various growth models, and specific techniques such as input-output analysis, base multipliers and cost benefit analysis will be developed. Prerequisite: EC 201, 202. Fall semester.

322 Urban Economics (3 credits). The course will focus on the structure of the urban areas, internal patterns, housing, crime, pollution, poverty, financial and transportation problems. The tools of economic analysis will be used to analyze the problems and existing and proposed policies. Prerequisite: EC 201, 202 or consent of the instructor. Spring semester.

325 Radical Economics (3 credits). Analysis and evaluation of radical contributions to political-economic thought and their applications to the study of contemporary socio-economic problems. Emphasis is placed on Marxian socialist economic theory, libertarian, anarchistic theory, evolutionary economic theory, and other radical models. Current issues such as imperialism, economics and social inequality and alienation will be considered from the vantage point of these radical perspectives. Prerequisite: Upper division or consent of instructor. Fall semester.

327 Labor Economics (3 credits). This course examines a broad range of current issues relating to the characteristics of the U.S. labor force and the structure of the labor market. The development of the U.S. industrial relations system will be reviewed, including comparisons with those of Western Europe. Labor markets will be analyzed to emphasize the economic and non-economic factors affecting labor-management negotiations. The course will conclude with a discussion of public policy concerned with both public and private sector unionism as well as legislation pertaining to the income security of workers. Prerequisite: EC 201, 202. Fall semester.

405 Business Fluctuations and Economic Stabilization (3 credits). Application and extension of macro-economic theory to the study of economic instability. Theories of economic fluctuations and their measurement are the objectives of this course. Full admission to Economics and by the History Department, and cross-numbered as EC HY 417.

417 Economic History (3 credits). This course deals with major factors in the economic growth and development of the United States, and their implications to the present. Particular emphasis is given to the interaction of economic factors and other aspects of social politics. Prerequisite: ECON 202 or permission of the instructor. Spring semester. Offered in alternate years by the Economics and by the History Department, and cross-numbered as EC HY 417.

EC 41G-42G Econometrics (3 credits). The application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. Prerequisite: Math 109 or equivalent and permission of the instructor. May be taken for graduate credit. 41G Fall, 42G Spring semester.

FI FINANCE

LOWER DIVISION

108 Personal Finance (3 credits). This course addresses the growing complexity of financial decision making faced by the individual. Topics covered include 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. Each semester.

211 Principles of Insurance (Previously RE-320) (3 credits). The course offers presenta- tion of the principles of insurance and policy analysis together with a discussion of the 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 state and federal levels. A number of insurance companies will be visited. All areas of insurance are covered including life, casualty, liability and medical.

50 Introduction to Securities and Securities’ Markets (3 credits). Topics covered in the course include operation of the securities markets in the U.S.; sources of investment information; brokerage and dealer business; the mechanics of direct investing; basic security analysis; the commodities and futures markets; put and call options. Prerequisite: AC 204 or consent of the instructor. Each semester.

UPPER DIVISION

303 Principles of Finance (3 credits). A basic survey course of fundamental concepts and techniques of the three major areas of finance corporate, institutional, and investments, and their interrelationships. Topics covered are an overview of monetary policy by Federal Reserve, study of U.S. financial system, the international financial system, financial decision-making problems focusing on internal allocation of funds, financing these asset needs and security valuation. Prerequisites: AC 205, 206, EC 201, 202 and M 106. Each semester.

325 Financial Management I (3 credits). (Previously Corp. Financial Mgt.) The study and analysis of financial decision-making problems focusing on internal allocation of funds, financing these asset needs and security valuation. Prerequisites: AC 205, 206, EC 201, 202 and M 106. Each semester.

326 Financial Management II (3 credits). This course covers critical analysis of different sources of funds, dividend policies, and capital markets. Special topics include refunding debt, accounting responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement theoretical material. Prerequisite: AC 301, 302.

417 Management of Financial Institutions (3 credits). Topics treated in this course in- clude the analysis of problems faced by managers of financial institutions, a study of developments and recent changes in the structuring of the U.S. financial system as they impact on financial institutions and other financial types, institutions, the methods of governmental financing and their effects on the flows of funds in the economy. Contemporary issues such as new legislation, international financial institutions, and social responsibilities are covered. Prerequisites: FI 303, EC 301. Fall semester.

425G Investment Management (3 credits). This course focuses on the strategies of invest- ing in stocks, bonds, commodities and stock options. Topics include risk-return relationships of the various investments; the efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model. Prerequisites: FI 300, GB 208, and FI 250. Each semester.

500-499 Senior Seminar in Finance (3 credits). Designed to provide an opportunity for study of a particular area of finance in an advanced level. Build on background developed in the regularly scheduled finance courses. The topics offered will be selected on the basis of the interest of the instructor to finance students and a special expert- ise of the instructor. These courses enable the student to achieve an indepth knowledge of issues which cannot be treated fully in existing courses. Legislation creating new laws, new sweeping changes in a particular area of finance. Full admission to Financial Modeling, International financial management, public utility financial management, option trading, applications of the capital asset pricing model are representative topics.

GB GENERAL BUSINESS

LOWER DIVISION

101 Introduction to Business (3 credits). A survey course designed to acquaint the student with the many phases of business. Serves as an introduction to the specialized fields of business organization, accounting, insurance, marketing, banking transportation, and industrial relations. Special emphasis is placed on business vocabulary. Each semester.

202 Business Law I (3 credits). Introduction to the legal system including courts, litiga- tion, and lawyers. The course is designed to familiarize students with the basics of substantive areas of law as contracts, agency, torts, personal property and antitrust aspects of govern- ment regulation of business. Each semester.

207 Statistical Techniques for Decision Making I (Previously Business Statistics) (3 credits). This course is designed to provide the student with an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. The business applications of such statistical concepts as the Possion, binomial, normal, t, F, and chi-square distributions, and hypothesis testing will be covered. Prerequisite: M 106 or equivalent. Each semester.

208 Statistical Techniques for Decision Making II (Previously GB 306) (3 credits). This class extends into the statistical methods beyond those covered in GB 207. The purpose is to provide the student with an exposure to the use of these statistical procedures. The course concentrates on using these procedures in a business decision making environ- ment. Typical topics covered include simple and multiple regression analysis and Baye- sian decision theory. Whenever applicable, computer software programs will be used to assist in the learning process. Prerequisites GB 207, DP 210. Each semester.

UPPER DIVISION

302 Business Law II (3 credits). A comprehensive study of the Uniform Commercial Code with emphasis on sales, bulk transfers, documents of title, commercial paper, and securitization. Also, the negotiation, operation and dissolution of partnerships and corporations, the merger and consolidation of corporations. Prerequisite: GB 202. Each semester.

325 Principles of Transportation (3 credits). The focus of this course is upon the economic and management problems and functions of the transportation industry. The course will cover the organization and structure of the transportation industry as well as the history, development, operations, pricing and legal controls and obligations of firms engaged in various forms of transportation services.

360 Business Ethics, and Social Responsibility (3 credits). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. The course is designed to enable students to form individual positions on ethical conduct, and social responsibility issues. Each semester.

366 Quantitative Analysis for Business Decisions (3 credits). The course involves a study of quantitative tools traditionally referred to as operations research techniques. The emphasis is on the illustration of the functional use of the techniques and how they can be applied in the context of business operations. Representative topics include linear programming and critical path analysis. Prerequisites: GB 207, MG 301, MG 345.

41G Government and Business (3 credits). This course is intended to give 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 will be researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. Prerequisite: GB 202. Spring semester.

450 Business Policies (3 credits). This course is designed to develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world- wide. The student will be required to build upon and integrate the knowledge and methods acquired from a total educational and experience base and to examine problems in all functional areas of the organization. Prerequisite: Completion of the re- quired courses. Each semester.

MG MANAGEMENT

UPPER DIVISION

301 Principles of Management (3 credits). This course deals with the history of manage- ment thought and the major approaches in management and planning, organizing, directing and controlling functions of management. Emphasis in the course is also given to international management and the application of quantitative techniques in management. Prereq- uisite: M 106. Each semester.

305 Personnel Administration (3 credits). This course provides an in-depth examination of the functions of personnel administration—human resource planning, procurement, development, utilization, and compensation—with an emphasis on the interrelations- ships among these functions. Current topics in the law as they affect the personnel functions are considered each term (e.g. OSHA, fair employment regulations, etc.). The role of the personnel department is explored from both the point of view of those operating a personnel department and from the point of view of managers throughout an organization. Prerequisites: MG 301 or consent of instructor.
SCHOOL OF BUSINESS

317 Small Business Management (3 credits). A study of the unique and distinct problems encountered by the modern small business enterprise. Emphasis is placed on management, marketing, financing, staffing, marketing and regulating the small business. Emphasis will be placed on small business management techniques as they apply to service retail and production oriented small businesses. Prerequisites: MG 301.

330 Labor Law (3 credits). This course offers a survey of the existing body of labor law, along with the historical events and precedents that have shaped this law. The general principles of the law and the effective application of these principles are discussed. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanisms of conflict resolution are discussed.

340 Labor Relations (3 credits). This course will cover the history, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important industrial relations and labor-management relations. The student is introduced to collective bargaining and various forms of conflict resolution. Contract administration is emphasized with a focus on the day-to-day relationships between parties. International comparisons of industrial relations systems are made.

341 Principles of Production Management (3 credits). Management of the entire production function, its life cycle and its inter-relationships with other business disciplines is emphasized. The course covers the analysis, design, planning and control of production processes. Emphasis is placed on the nature of production processes, their inter-relationships, and the identification of potential improvements. Prerequisites: MG 301, either semester.

401 Human Resource Management (Previously Human Relations) (3 credits). Utilizing concepts and theories from the behavioral sciences, this course covers topics essential to effective human resource management. Topics covered include employee perception, motivation, attitudes, power and leadership. Prerequisite: MG 301. Either semester.

405 Organizational Dynamics (3 credits). This course deals with the development of organizational theory including the following specific areas: organizational structure, bureaucracy, organizational influence processes, politics, power and careers, organizational development and organizational effectiveness. Prerequisites: MG 301, Spring semester.

406 Compensation Management (3 credits). This course involves the implementation, administration, maintenance, and control of a comprehensive compensation program. Topics covered include job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Special attention is given to legislation affecting the compensation field and to the unique compensation problems of select groups in the labor force (e.g. public employees and employees of trans-national enterprises). Prerequisites: MG 301 (Personal Administration) or consent of instructor. Each semester.

408 Operations Management (3 credits). This course applies the quantitative tools needed in the operations and production management fields for effective decision making. The course provides practical experience in the use of operations management tools and decision models. The course is open to students with a minimum of 45 semester hours. Prerequisites: MG 301 and GB 208.

409 Decisions Analysis (3 credits). This course will emphasize the decision analysis tools such as probability assessment, utility theory, certainty models, uncertainty models and Bayesian models. The emphasis will be on presenting the tools in actual business applications. Prerequisites: GB 206, GB 306. MG 301.

415 Collective Bargaining (3 credits). This course examines the materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various components of the negotiation process are explored in the mediation and arbitration process. Administration of the negotiated agreement is also considered. Special attention is devoted to public sector bargaining. Prerequisites: MG 340 (Labor Relations), MG 330 (Labor Law), or consent of instructor.

MK MARKETING

UPPER DIVISION

301 Basic Marketing Management (3 credits). Study of the marketing process with emphasis on introducing students to the function of marketing concepts and decisions within the organization's strategic plan. The marketing process consists of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy, and determining the product, price, communication and distribution mix necessary to satisfy the selected wants and needs. Each semester.

306 Promotion Management (3 credits). The principles, strategies and management of advertising and sales promotion activities. Coordination and integration of both areas are integrated with analytical and behavioral decision processes. Emphasis is placed on problem and opportunity recognition, marketing strategies, planning and administrative control. Marketing research, consumer, industrial, and international markets are considered. Prerequisite: MG 301. Either semester.

415G Marketing Research (3 credits). Consideration of the theory and use of research in providing information relevant to marketing decisions. Experience in formal research methodology by planning and conducting a research project concerning an actual business or governmental problem situation. May be taken for graduate or undergraduate credit. Prerequisites: GB 207, MG 301.

421 Sales Administration (3 credits). Management of a sales organization with particular emphasis on recruiting, selection, training, supervision and compensation of salespeople. Emphasis is also placed upon coordinating and integrating activities of the sales administrative support personnel. Emphasis is also placed upon coordination and integration of the media involved. Regulations of advertising. Coordination of other factors of sales promotion are also considered. Prerequisites: MK 301. Each semester.

425 Advanced Marketing Management (3 credits). The case study approach as applied to marketing problems. Emphasis is placed on problem definition, recognition of alternative solutions, and defense of a "best" solution. Prerequisite: MK 320. Spring semester.

MM MARKETING, MID-MANAGEMENT

LOWER DIVISION

100 Mid-Management Work Experience (2 credits). Open to students enrolled in the Mid-Management program only. The student may earn 2 semester hours credit for a maximum of 6 semester hours credit or a total of 8 semester hours credit. This provides actual experience in the retail, wholesale, or service business field as a paid employee. The student, the employer, and the program coordinator develop an individual program for each student. The student is evaluated by both the employer and the program coordinator. Each semester.

101 Salesmanship (3 credits). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesale, and manufacturer establishments, analysis of customer behavior and motivation, methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques. Either semester.

102 Merchandise Analysis (3 credits). A study dealing with what the product is and what the product does for the customer. Provides methods and practice in obtaining product information used by buyers, sales people, and advertising personnel. Major classes of textiles and nontextiles are surveyed. Spring semester.

105 Elements of Management (3 credits). A study of the functions of business management including organizing, staffing, directing and controlling. Special consideration is given to the concept of organizational authority and responsibility. Either semester.

201 Consumer Marketing (3 credits). (Previously Introduction to Marketing). The study of activities by which goods and services flow from the producer to the ultimate consumer. This study includes methods, policies, and ethical problems of the various marketing institutional agencies according to the function performed. Fall semester.

202 Principles of Retailing (3 credits). Comparison of small- and large-scale retailers. Problems of store ownership, organization, location, equipment, merchandising, planning and control. Expense and cost reduction and sales promotion are considered. Spring semester.

203 Visual Merchandising (3 credits). Objectives and policies of sales promotion, study of the media involved. Regulations of advertising. Coordination of other factors of sales promotion such as display and merchandising factors. Preparation of copy, illustrations, layout and display. Guest lecturers from the local Retail Assn. will be used. Spring semester.

206 Supervision of Personnel (3 credits). Economics of supervision, social and philosophic implications, training functions of the supervisor, individual and organizational needs in regard to human relations are major points of study. Spring semester.

209 Report Writing (3 credits). Prepares the student to write reports for business situations. Emphasis is placed on the actual preparation of reports, research methods, and the readability of the finished product. Fall semester.

213 Credit and Collections (2 credits). A survey of the credit field including history, types, credit information, and the function of the credit department. Ethical methods and procedures of collection are given significant treatment. Spring semester.

215 Retail Buying (3 credits). Considers the buyer's duties, techniques, and procedures of purchasing for resale, pricing of goods, and the interpreting of consumer demand. Fall semester.

RE REAL ESTATE

LOWER DIVISION

201 Fundamentals of Real Estate (3 credits). Essentials of real estate practice, listings, sales, financing, land descriptions, real estate investments, brokerage, advertising, marketing analysis and fundamentals arising from real estate transactions are covered in this course. This course exceeds the current minimum 30 hour classroom education requirement of the State of Idaho to take the Real Estate Salesman Examination. Each semester.

220 Law of Real Estate (Previously GB 303, Law of Property) (3 credits). This course is designed to review the laws establishing and governing basic rights of ownership and use of real estate. The course will also discuss the concepts of the modern real estate transaction, the real estate brokerage business, and the various legal relationships involved. Prerequisites: GB 202 and RE 201. Each semester.

UPPER DIVISION

321 Appraisal of Real Estate (3 credits). This is an intensive course covering modern real estate appraising concepts and the technical skills employed in their application to residential property. Prerequisite: RE 201.

340 Real Estate Investment and Taxation (3 credits). This course explores 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. Prerequisites: RE 201, 220, 302, 303.

350 Real Estate Finance (3 credits). Financial analysis and examination of the intricacies of the real estate mortgage markets, source of mortgage funds, federal government and mortgage markets, landing decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. Prerequisites: RE 201, 202 and F 303.

370 Real Estate Development (3 credits). The course is designed to examine the many intricacies of the development process. The course will cover the traditional development process, including market analysis, feasibility study, land acquisition, zoning,
SCHOOL OF BUSINESS

layout and design, review, financing, construction, occupancy, and sale. In addition, the course concerns itself with the many factors of the planning process and the developer obligation and concern for problems of energy, environment, transportation, and social acceptability as they relate to the basic national need for housing.

431 Appraisal of Income Properties (3 credits). This combination lecture and case study course is devoted entirely to the appraisal of income property. 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 thoroughly analyzed and discussed. Prerequisites: RE 201, 331.

410 Real Estate Brokerage Management (3 credits). This course is a capstone course intended to integrate the specialized functional knowledge gained in the Real Estate program including office administration, hiring, and personnel management, brokerage sales and promotion, commission structure, ethical behavior and social responsibility, creative financing, professional organizations, and agency relationships. Prerequisites: RE 220, 331, 340, 360.

OA OFFICE ADMINISTRATION

LOWER DIVISION

101 Beginning Shorthand (4 credits). A beginning course in Gregg shorthand. Emphasis is placed on theory, writing skill, vocabulary development. Recommended credit or current enrollment in OA-238. Prerequisite: demonstrated proficiency in typing or current enrollment in typing. Both semesters.

105 Beginning Typing (2 credits). Theory and keyboard operations on the typewriter with application for personal or business use. Fall semester.

107 Intermediate Typing (2 credits). Review of typing fundamentals for development of speed and accuracy with applications of these skills for use. Prerequisite: OA 105 or advanced placement. Either semester.

111 Personal Adjustment to Business (1 credit). Designed to develop an insight into the behavior and customs of individuals in a business office through study of why and how people work, good decision making, oral communication and case analysis problems. Either semester.

115 Business Mathematics-Machines (3 credits). Fundamental operations of arithmetic in concrete relation to business usage. Decimals, fractions, percentages, interest, discounts, markup, installment buying, depreciation, and graphs are considered, as well as some interpretation of financial papers. The student receives instruction on the ten-key printing calculator, the rotary calculator, and the electronic calculator. Either semester.

121 Intermediate Shorthand (4 credits). Review of shorthand theory with much work in dictation and transcription to improve speed and accuracy. Prerequisite: OA 101 or advanced placement from high school work. Either semester.

201 Advanced Shorthand (4 credits). Emphasis on the building of a broad shorthand vocabulary and the development of high speed in dictation with rapid transcription. Prerequisite: OA 121 or advanced placement from high school work. Either semester.

205 Medical Office Orientation (1 credit). A study of medical receptionist duties, special records and filing systems, legal aspects of medical work, management of the medical office, and ethics and psychology in a medical office. Either semester.

207 Procedures of a Law Office (1 credit). Office procedures and methods as they relate to the work of a legal secretary. Legal terminology and meaning of the language of the law will be stressed. Either semester.

208 Advanced Typing (2 credits). Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA 107 or advanced placement from high school work. Either semester.

213 Word Processing, Mag. Keyboarding (1 credit). The development of speed and accuracy in machine transcription is emphasized by using business word processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. Prerequisite: OA 208. Both semesters.

215 Word Processing, Mag. Keyboarding (1 credit). Recording data electronically while producing typewritten copy. Power typing and revision applications will be used. Prerequisite: OA 208. Both semesters.

219 Editing for Word Processing (1 credit). Intended to assist the student in developing expertise in spelling, vocabulary, punctuation, proofreading, abstracting, and editing. Prerequisite: Grade of C or higher is recommended in OA 238, 107. Either semester.

221 Secretarial Transcription (4 credits). Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Prerequisite: OA 201. Spring semester.

238 Applied Business Communications (3 credits). A course designed to emphasize the building of a foundation in effective business writing principles. The effectiveness and the correctness of writing and the psychology of letter writing will be emphasized through the preparation of a variety of business letters. Both semesters.

243 Principles of Reprographics (2 credits). A course given in the operation of the various kinds of duplication machines, including the spirit duplicator, the stencil and ink duplicator, the offset duplicator, and the dry process copier. Instruction will be given in typing, drawing, lettering, and writing on the duplicating media of masters, stencils, and mats. An opportunity will be provided to observe and study typography, layout and design, paste up, dark room techniques, stripping, plate making, and bindery work. Both semesters.

UPPER DIVISION

269 Records Preparation and Management (3 credits). Creation, processing, maintenance, protection and destruction of business records. These topics will be covered both from the theoretical point of view and by the use of practical application. The ability to analyze a problem and make a decision will be stressed. Either semester.

318 Administrative Office Procedures (3 credits). Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them. Either semester.

317 Office Management (3 credits). An introduction to the area of information management. The functions of office management including areas such as production, environmental analysis, systems analysis and personnel administration. Spring semester.

338 Technical Writing for Business (3 credits). An in-depth study including the application of interpersonal communication and effective business writing principles through preparation of business and financial reports and technical papers. The case study approach will be used to present a variety of business situations requiring decision-making in business report writing. Prerequisite: OA 238. Either semester.
PART VI

SCHOOL OF EDUCATION

Dean: Richard L. Hart, Ed.D.
Associate Dean: Clyde Martin, Ed.D.

DEPARTMENTS AND FACULTY

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION:
Chairman and Professor: B. Bowman; Professor: Smith; Associate Professors: Button, Lewis; Assistant Professors: P. Bowman, Boyles, Connor, Fahlson, Jacoby, Jones, Sweeney, Thorngren, Vaughn, Wallace, Young; Instructor: Emeritus: Westfall

DEPARTMENT OF PSYCHOLOGY:
Chairman and Professor: Phillips; Professors: Barsness, Callao, Dodson, Ison, Smith, Snow, Thurber, Torbet; Associate Professors: Downs, Steger, Wilkinson; Assistant Professor: Chastain; Emeritus: Bronson

DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE
Chairman and Professor: Jensen; Coordinator of Field Services and Associate Professor: Singh; Professors: Beitia, Bieter, Bullington, Dahlberg, Frederick, Friedli, Hart, Hill, Hunt, Kirtland, Marks, Ruyle, Tucker, Young; Associate Professors: Bowman, Comba, Hess, Lambert, Martin, Nelson, Reed, Sadler, Schmaljoh, Waite; Assistant Professors: Brownsmith, Davis, French, Lyons, Munns, Schlaefle; Emeritus: Bursth, Chatburn, Fairchild, Hill, Wallace

COUNSELING AND TESTING CENTER
Director: Torbet; Callao, Downs, Nelson

READING EDUCATION CENTER:
Director: Kirtland; Frederick, Marks, Munns

PHILOSOPHY

The faculty of the School of Education represents diverse and dynamic backgrounds, and serves students from an extended community reaching far beyond the boundaries of Idaho. The faculty addresses this extended community in varied functions both on and off campus. The work of the faculty reflects an active appreciation for development of the whole person, and includes attention to the intellectual, physical, social, and emotional needs of students. A key precept underlying all others is the promotion of learning as a lifelong activity.

Course work is offered in both professional and academic areas. The academic course work is designed to acquaint students with historical, philosophical, and theoretical aspects of education and psychology, and to help them appreciate and use scientific thinking as a tool for viewing human behavior in a more sophisticated and effective manner. Professional course work and experiences are directed primarily toward the mastery of skills needed by teachers in the elementary and secondary schools.
COORDINATION OF PROGRAMS
IN TEACHER EDUCATION

Teacher Education programs at Boise State University are inter-disciplinary in nature; hence, coordination of programs is essential. The development and operation of individual programs is the specific responsibility of the appropriate department with the School of Education serving as the overall coordinating organization. Within this pattern of administration the Council for Coordination of Teacher Education Programs has the following functions: (1) to coordinate programs involving two or more departments; (2) to review proposals, policies, and procedures involving two or more departments, and to make recommendations for action; and (3) to consider procedures for follow-up of graduates and to assess needs for teacher education. Membership for the Council comes from the departments associated with the teacher education program.

COUNSELING AND TESTING SERVICES

The Counseling and Testing Center is designed to help BSU students who have personal, educational, vocational and social problems. Professional counselors work with the student in a setting that allows confidential discussion of the student's concerns. This service is based on the premise that many normal individuals have, at times, problems they cannot resolve alone. The student may concentrate on a specific problem or he may work on his general adjustment to the academic life. Psychological and occupational tests may be used for self-evaluation and information.

Any halftime (6 credits or more), or fulltime student is eligible for counseling or testing. Appointments may be made by phone—extension 1601, or in person at the Counseling and Testing Center, sixth floor, Education Building.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

The Department of Health, Physical Education and Recreation offers a major in Physical Education with specialized options in Secondary Physical Education, Elementary Physical Education, Athletic Coaching, and Athletic Training. Students who complete the major program in one of the options are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho. Physical Education Minors are offered in Elementary Physical Education, Athletic Coaching, and Health Education.

FACILITIES:
The Physical Education-Recreation area and all of its facilities are available for student and faculty use. Students are encouraged to participate in the intramural-extramural and club sports programs offered by the department and the recreation programs offered by the Student Union games area.

ELECTIVE PHYSICAL EDUCATION ACTIVITY PROGRAM:
The elective program includes beginning level activities, and intermediate level activities. No courses may be repeated for credit. **

***(Exception: PE 108 Adaptive Physical Education may be repeated for credit). EIGHT SEMESTER HOURS OF PHYSICAL ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

ELECTIVE ACTIVITIES ARE:

Dance:
- International Folk Dance*
- Modern Dance*
- Recreational Dance*
- Social Dance

Individual Sports:
- Archery*
- Badminton*
- Billiards
- Bowling*
- Fencing*
- Golf*
- Gymnastics*
- Racquetball
- Skiing
- Tennis*

Martial Arts:
- Defensive Tactics
- Judo*
- Karate*
- Self Defense*

Outdoor Recreational Activities:
- Backpacking & Camping
- Fly Casting & Fly Tying
- Target & Trap Shooting
- Bicycle Touring
- Cross Country Skiing
- Alpine Skiing
- Ice Skating

Physical Fitness Activities:
- Adaptive Physical Education
- Fitness Activities
- Jogging
- Weight Training
- Yoga

Team Sports:
- Basketball*
- Field Hockey*
- Flag Football
- Rugby
- Soccer*
- Softball
- Team Handball
- Track & Field

Water Activities:
- Kayaking
- Advanced Life Saving
- Skin & Scuba Diving
- Spring Board Diving
- Swimming*
- Water Polo
- Water Safety Instruction

*More than one level of instruction is offered in this activity.

PHYSICAL EDUCATION MAJOR

Bachelor of Science Degree

A student must complete the following requirements to receive a Baccalaureate degree in Secondary Physical Education:

1. The general University requirements for the Bachelor of Science Degree as listed in the BSU bulletin (page 25) with specific requirements in Areas I, II, and/or III as determined by the Physical Education Department.

2. The general graduation requirements of the School of Education and the certification requirements of the State Department of Education as listed in the BSU Bulletin (page 105).
3. The requirements of the physical Education Department:
   (a) The 27 credit core requirement
   (b) All other required courses listed in the option of the students choice.

**PHYSICAL EDUCATION CORE REQUIREMENTS**  
(Required of all Physical Education Majors)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 100 Health Education</td>
<td>3</td>
</tr>
<tr>
<td>PE 101 Introduction to Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>PE 105 First Aid</td>
<td>2</td>
</tr>
<tr>
<td>PE 113 Basic Movement</td>
<td>1</td>
</tr>
<tr>
<td>PE 115 Gymnastics</td>
<td>1</td>
</tr>
<tr>
<td>PE 117 Field Sports</td>
<td>1</td>
</tr>
<tr>
<td>PE 149 Resistance Training and Conditioning Procedures</td>
<td>1</td>
</tr>
<tr>
<td>PE 202 Principles of Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 230 Anatomical Kinesiology</td>
<td>2</td>
</tr>
<tr>
<td>PE 304 Methods for Teaching Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 309 Evaluation in Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PE 310 Physiological Kinesiology</td>
<td>2</td>
</tr>
<tr>
<td>PE 401 Psychology of Activity</td>
<td>3</td>
</tr>
<tr>
<td>PE 457 Organization and Administration of Physical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CORE REQUIREMENTS:** 27 credits

**ATHLETIC TRAINER OPTION GRADUATION REQUIREMENTS**
(Satisfies Educational Requirements for N.A.T.A. Certification)

**GENERAL COLLEGE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3-6</td>
</tr>
</tbody>
</table>

**AREA I**

| Electives                                   | 12      |

**AREA II**

| P 101 General Psychology                    | 3       |
| CM 311 Speech Communication for Teachers    | 3       |

**AREA III**

| C 103 Preparation for College Chemistry     | 1       |
| C 107-C 109 Essentials of Chemistry         | 6       |
| C 108-C 110 Chemistry Laboratory            | 3       |
| Z 111-Z 112 Human Anatomy and Physiology    | 8       |

**AREA II and/or AREA III Electives**

| 3-4 credits                                  |        |

**PHYSICAL EDUCATION MAJOR REQUIREMENTS**

| Physical Education Core                     | 28      |
| HE 207 Nutrition                            | 3       |
| Additional Physical Education Courses Required: | 19      |
| PE 143, PE 212, PE 214, PE 217, PE 228, PE 241, PE 305, PE 311, PE 361, PE 451, Coaching Methods (2 credits) | |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives | 15      |
| Electives                                 | 3       |

**Additional Electives**

| 11 credits                                  |        |

**TOTAL 128 Credits**

**SECONDARY PHYSICAL EDUCATION OPTION GRADUATION REQUIREMENTS**

**GENERAL COLLEGE REQUIREMENTS**

| English Composition                          | 3-6     |

**AREA I**

| Electives                                   | 12      |

**AREA II**

| P 101 General Psychology                    | 3       |
| CM 311 Speech Communication for Teachers    | 3       |

**AREA III**

| C 103 Preparation for College Chemistry     | 1       |
| C 107 Essentials of Chemistry               | 3       |
| C 108 Chemistry Laboratory                  | 1       |
| Z 107 Human Anatomy & Physiology            | 4       |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives    | 15      |
| Electives                                  | 3       |

**SECOND TEACHING FIELD**

Department Certification Requirements in Minor Field to be Satisfied

| 12 credits Min.                           |        |

**TOTAL 128 Credits Min.**

**ELEMENTARY PHYSICAL EDUCATION OPTION GRADUATION REQUIREMENTS**

**GENERAL COLLEGE REQUIREMENTS**

| English Composition                          | 3-6     |

**AREA I**

| MU 101 Music Fundamentals                    | 2       |

**AREA II**

| P 101 General Psychology                    | 3       |
| P 311 Child Psychology                      | 3       |
| CM 311 Speech Communication for Teachers    | 3       |

**AREA III**

| C 103 Preparation for College Chemistry     | 1       |
| C 107 Essentials of Chemistry               | 3       |
| C 108 Chemistry Laboratory                  | 1       |
| Z 107 Human Anatomy & Physiology            | 3-4     |

**Electives**

| 3-4 credits                                  |        |

**AREA II and/or III ELECTIVES**

| 9 credits                                  |        |

**PHYSICAL EDUCATION MAJOR REQUIREMENTS**

| Physical Education Core                     | 28      |
| HE 207 Nutrition                            | 3       |
| Additional Physical Education Courses Required: | 14      |
| PE 143, PE 212, PE 214, PE 217, PE 228, PE 241, PE 305, PE 311, PE 361, PE 451, Coaching Methods (2 credits) | |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives    | 15      |
| Electives                                  | 3       |

**SECOND TEACHING FIELD**

Department Certification Requirements in Minor Field to be Satisfied

| 12 credits Min.                           |        |

**TOTAL 128 Credits Min.**

**SCHOOL OF EDUCATION**

**PHYSICAL EDUCATION MAJOR REQUIREMENTS**

| Physical Education Core                     | 28      |
| HE 207 Nutrition                            | 3       |
| Additional Physical Education Courses Required: | 19      |
| PE 143, PE 212, PE 214, PE 217, PE 228, PE 241, PE 305, PE 311, PE 361, PE 451, Coaching Methods (2 credits) | |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives    | 15      |
| Electives                                  | 3       |

**Additional Electives**

| 11 credits                                  |        |

**ATHLETIC COACHING OPTION GRADUATION REQUIREMENTS**

**GENERAL COLLEGE REQUIREMENTS**

| English Composition                          | 3-6     |

**AREA I**

| Electives                                   | 12      |

**AREA II**

| P 101 General Psychology                    | 3       |
| CM 311 Speech Communication for Teachers    | 3       |

**AREA III**

| C 103 Preparation for College Chemistry     | 1       |
| C 107 Essentials of Chemistry               | 3       |
| Z 107 Human Anatomy & Physiology            | 4       |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives    | 15      |
| Electives                                  | 3       |

**SECOND TEACHING FIELD**

Department Certification Requirements in Minor Field to be Satisfied

| 12 credits Min.                           |        |

**TOTAL 128 Credits Min.**

**SCHOOL OF EDUCATION**

**PHYSICAL EDUCATION MAJOR REQUIREMENTS**

| Physical Education Core                     | 28      |
| HE 207 Nutrition                            | 3       |
| Additional Physical Education Courses Required: | 19      |
| PE 143, PE 212, PE 214, PE 217, PE 228, PE 241, PE 305, PE 311, PE 361, PE 451, Coaching Methods (2 credits) | |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives    | 15      |
| Electives                                  | 3       |

**Additional Electives**

| 11 credits                                  |        |

**SECOND TEACHING FIELD**

Department Certification Requirements in Minor Field to be Satisfied

| 12 credits Min.                           |        |

**TOTAL 128 Credits Min.**

**SCHOOL OF EDUCATION**

**PHYSICAL EDUCATION MAJOR REQUIREMENTS**

| Physical Education Core                     | 28      |
| HE 207 Nutrition                            | 3       |
| Additional Physical Education Courses Required: | 19      |
| PE 143, PE 212, PE 214, PE 217, PE 228, PE 241, PE 305, PE 311, PE 361, PE 451, Coaching Methods (2 credits) | |

**TEACHER EDUCATION REQUIREMENTS**

| TE 201, TE 381, TE 481, P 312, Electives    | 15      |
| Electives                                  | 3       |

**SECOND TEACHING FIELD**

Department Certification Requirements in Minor Field to be Satisfied

| 12 credits Min.                           |        |

**TOTAL 128 Credits Min.**
SCHOOL OF EDUCATION

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 391, TE 462, TE 481 .......................... 18 Credits
Additional Electives ..................................................... 13 Credits
Total ................................................................. 128 Credits

ELEMENTARY PHYSICAL EDUCATION MINOR
PE 105 First Aid .......................................................... 2 Credits
PE 115 Gymnastics ....................................................... 1 Credit
PE 117 Field Sports ...................................................... 1 Credit
PE 143 Basketball & Volleyball ....................................... 1 Credit
PE 212 Track and Field ................................................. 1 Credit
PE 230 Anatomical Kinesiology* .................................... 2 Credits
PE 310 Physiological Kinesiology* ................................. 2 Credits
PE 367 Dance for Children ............................................ 2 Credits
PE 381 Elementary School Physical Education Methods ......... 3 Credits
PE 389 Perceptual Motor Programs for Kindergarten and Special Education Teachers .... 2 Credits
PE 451 Adaptive and Corrective Physical Education ................. 2 Credits
PE 493 Internship ....................................................... 3 Credits
Total ................................................................. 22 Credits

ATHLETIC COACHING MINOR
PE 105 First Aid .......................................................... 2 Credits
PE 113 Basic Movement ............................................... 1 Credit
PE 149 Resistive Training and Conditioning Procedures ........ 1 Credit
PE 228 Introduction to Athletic Injuries ......................... 2 Credits
PE 230 Anatomical Kinesiology* .................................... 2 Credits
PE 401 Psychology of Activity ....................................... 3 Credits
PE 430 Organization and Administration of Athletics Coaching Methods .... 4 Credits
PE 493 Internship ....................................................... 3 Credits
Total ................................................................. 22 Credits

HEALTH EDUCATION MINOR
PE 100 Health Education ............................................... 3 Credits
PE 105 First Aid .......................................................... 2 Credits
ZO 107 Anatomy & Physiology ....................................... 4 Credits
HE 207 Nutrition ....................................................... 3 Credits
P 312 Adolescent Psychology ....................................... 3 Credits
PE 305 Personal & Public Health Problems ......................... 3 Credits
Electives ............................................................... 6 Credits
Total ................................................................. 24 Credits

Electives will be chosen from the following courses:
H 108 Drugs — Use and Abuse ....................................... 2
B 200 Man and the Environment .................................. 3
H 203 Introduction to Disease Conditions ....................... 3
H 205 Chronic Illness: Impact & Outcome ......................... 3
P 301 Abnormal Psychology ........................................ 3
H 302 Health Delivery Systems ..................................... 3

*Prerequisite: Z 107 Concepts of Human Anatomy

COURSES

PE PHYSICAL EDUCATION

108 Health Education (Coed) (3 credits). Health education covers a wide variety of subjects, as nutrition, diseases, health needs and services, drugs, family living and personal and health education. The major objective of this class is aiding student adjustment towards effectively functioning in a changing environment. Required of PE Majors.

109 Introduction to Physical Education (Coed) (1 credit). Required of all prospective Physical Education Majors. An orientation course designed to give the prospective physical education teacher an understanding of what is involved in the profession. Designed for physical educators, professional preparation, service rendered to the physical educators, employment opportunities, certification requirements. First semester.

102 Kayaking and Canoeing (Coed) (1 credit). The basic Kayaking and Canoeing course is designed primarily to cover the principles of safety, self rescue using this type of small craft. The objective of the course is to teach self handling skills, self rescue skills, skills to use in helping others or rescuing others who are in trouble and ways to apply the basic skills interestingly and safely. Prerequisite: Candidates must have sufficient swimming ability to maintain themselves in the water for 10 minutes. Must be able to jump into deep water fully clothed and float, tread water for 10 minutes. Either semester.

103 Introduction to Recreation (Coed) (2 credits). Designed to acquaint the student with the growth and development of community recreation and the role of community recreation in our present day society. Spring semester.

104 Target and Trap Shooting (Coed) (1 credit). Fundamental skills of air rifle and shotgun shooting. Sighting procedures, gun parts, care of equipment and safety are stressed. Shotgun trap loading, shooting and scoring. Successful completion of course leads to Red Cross standard certificate. Required of all PE majors. Each semester.

105 First Aid (Coed) (2 credits). Immediate and temporary care for a wide variety of injuries and illnesses; control of bleeding, care of poisoning, and proper methods of transportation, splintering and bandaging. Successful completion of course leads to Red Cross standard certificate. Required of all PE majors. Each semester.

106 Adaptive Physical Education (Coed) (1 credit). A fundamental body mechanics, posture and corrective exercise program designed to offer assistance to men and women with various disabilities who are unable to participate in a regularly scheduled activity class. Students may be referred into the adaptive class where they can benefit twofold: (1) Help correct or rehabilitate their physical problem. (2) Avoid losing credit from the activity class they can no longer participate in. The course may be repeated for credit. Either semester.

107 Jogging (Coed) (1 credit). Instruction and individual participation in beginning endurance running. The student will be pre-tested and placed into a level suitable to his/her capabilities as to age and condition. It is designed as a program to develop and maintain the cardio respiratory system. Either semester.

110 Team Handball (Coed) (2 credits). The course consists of participation in the sport of team handball. Emphasis will be placed on the natural skills of running, jumping, throwing, and catching. Basic offensive and defensive strategies and rules of the game will be taught. Either semester.

112 Billiards (Coed) (1 credit). The course is designed especially for the beginner in the art of playing pocket billiards. It will include complete instruction for the beginners in basic fundamentals as selection of cue, grip, stroke, position, scuffer. Rules of the game, play and strategy will also be taught. Class fee approximately $10.00. Either semester.

113 Basic Movement (Coed) (1 credit). Professional Activities. Instruction and practice in Basic Movements. (Required of all PE Majors) Either semester.

115 Gymnastics (Coed) (1 credit). Professional Activities. Instruction and practice in Gymnastics. (Required in some options) Prerequisite: None. Either semester.

117 Field Sports (Coed) (1 credit). Professional Activities. Instruction and practice in Field Sports (Required in some options). Either semester.

125 Bicycle Touring (Coed) (1 credit). This course is designed to acquaint students with the proper techniques of bicycle touring. Emphasis will be on bicycle safety, bicycle anatomy and riding techniques, care and maintenance of the bicycle, and physical fitness through bicycle riding. Students will furnish their bicycle. Either semester.

131 Spring Board Diving (Coed) (1 credit). The course is designed for the beginning diver. Basic Dive movements, proper body alignment, safety in diving areas. Prerequisite: Swim 50 yards. Either semester.

132 Skin and Scuba Diving (Coed) (1 credit). Beginning skin diving and scuba skills will be taught. Emphasis in the proper use of mask, fins, snorkel, introduction to the scuba diving aspect, panic control, mechanical use of equipment, safety techniques, buddy diving will be stressed. Cost to student approximately $35.00. Prerequisite: Swim 400 yards crawl/stroke in 12 minutes, tread water for 15 minutes and carry a 10 lb. weight 25 yards. Either semester.

133 Modern Dance (Coed) (1 credit). Provides opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Work will encompass improvement of body flexibility, balance, coordination and relaxation through use of modern dance techniques and movement exploration. Either semester.

134 Beginning Backpacking and Camping (Coed) (1 credit). Fundamental skills in backpacking and overnight camping. Includes choice and care of equipment, choice of campsites, basic outdoor cooking skills, minor first aid skills, and emphasizes ecology in the outdoors. Students will furnish their own equipment and transportation. Either semester.

135 Beginning Karate (Coed) (1 credit). Karate may be defined as a weaponless means of self-defense. Many people are interested in Karate as a method of self- defense. The essence of Karate is the coordination of the mental and physical powers possessed by every human being. Students will furnish their Gi. Each semester.

136 Flycasting and Stream Strategy (Coed) (1 credit). For fly fisherman only. Techniques of flycasting, including single haul and double haul methods of presentation will be taught. Presentation of insect, minnow, and terrestrial imitation will be explained and practiced. Techniques associated with the catching and releasing of warm water, cold water, and anadromous fish will be emphasized. Students must provide their own equipment and transportation. Either semester.

137 Swimming (Coed) (1 credit). Professional Activities. Instruction and practice in swimming (Required in some options). Either semester.

138 BasketBall and Volleyball (Coed) (2 credits). Professional Activities. Instruction and practice in Basketball and Volleyball (Required in some options). Either semester.


142 Beginning Swimming (Coed) (1 credit). Basic water safety, skills and knowledge: floating, bobbing, diving, rhythmic breathing, treading water, and introduction to the crawl, side stroke, elementary backstroke. For students who do not know how to swim. Either semester.

143 Beginning Yoga (Coed) (1 credit). Gentle yoga exercises of stretching and controlled breathing to promote good health and relief from tension. Emphasis upon flexibility, balance, relaxation, meditation, and integration of body and mind. Either semester.

144 Beginning Badminton (Coed) (1 credit). The course covers basic skills in badminton to encourage skill development, understanding and appreciation of the game. Either semester.

145 Beginning Volleyball (W) (1 credit). The course consists of participation in volleyball with consideration of fundamental skills, rules, and basic team strategy. Either semester.
184 Beginning Volleyball (M) (1 credit). A beginning class in volleyball with the basic fundamentals and team strategies of volleyball emphasized. Also basic skill drills used for skill improvement. General game situations and team participation are brought to a level of fun activity with improvement of skill the end objective. Either semester.

185 Beginning Basketball (W) (1 credit). The course consists of participation in basketball with consideration of fundamental skills, rules, and basic team strategy. Either semester.

186, 157 Varsity Participation (1 credit). Includes Football, Basketball, Wrestling, Baseball, Softball, Crew, Rowing, Tennis, Golf, Gymnastics, Field Hockey, Softball, and Volleyball. Prerequisite: For varsity participation only.

187 Basketball (M) (1 credit). A beginning class in basketball emphasizing general rules and participation. Basic offensive strategies will be discussed and basic drills on passing, dribbling, and shooting will take place. Defensive tactics such as man to man, zones, and rebounding will also be explained. Either semester.

188 Beginning Tennis (Coed) (1 credit). The course includes basic skills, strategies, and rules. Students will furnish their own racket. Either semester.

171 Beginning Field Hockey (W) (1 credit). The course consists of participation in field hockey with consideration of fundamental skills, rules, and basic team strategy. Fall semester.

172 Softball (W) (1 credit). The course consists of participation in softball with consideration of fundamental skills, rules, and basic team strategy. Spring semester.

173 Beginning Soccer (M) (1 credit). Participation in soccer with emphasis on skill development, rules, and team strategy. Either semester.

174 Beginning Judo (Coed) (1 credit). A safe, fun-sport which is also a complex art form. The course consists of principles and philosophy of Judo and the techniques of falling, throwing, and grappling. Emphasis will be placed on coordination and control of the body. Either semester.

175 Beginning Self-Defense (Coed) (1 credit). The defensive techniques are presented in the forms of Aikido, Judo, and Karate; teaching coordination of the mind and body and non-aggressive application of the laws of gravity and force. It is also designed to improve the physical coordination and condition of the individual. Students will furnish their G.i. Either semester.

176 Rugby (M) (1 credit). Introductory course to provide skills, rules and team play for the beginner. Either semester.

177 Archery (Coed) (1 credit). The course is designed for the beginning archery student to provide instruction in the fundamental techniques of all phases of archery, target, field clout, novelty, etc. Either semester.

181 Beginning Golf (Coed) (1 credit). The course is designed for the beginning golf student to provide instruction in the fundamental techniques of all phases of golf. The student will be acquainted with the rules, regulations and proper etiquette of the game. Either semester. Green fee approximately $10.00.

182 Track and Field (1 credit). The course consists of participation in track and field events with consideration of fundamental skills and rules for meets. Spring semester.

183 Handball (M) (1 credit). A class designed to teach techniques and skills of handball with special emphasis on playing procedures. Students will be introduced to game situations where they can improve on their individual skills. Either semester.

184 Recreational Dance (Coed) (1 credit). A course in the fundamentals of dance, designed to increase the knowledge and skill of the student. The course includes folk, square, round, and basic social dances. Either semester.

185 Fitness Activities (W) (1 credit). A course designed to meet individual fitness that includes muscular strength and endurance, flexibility, cardiorespiratory endurance, and percent body fat. Weight and figure control are prime objectives of the course. Either semester. Green fee approximately $10.00.

186 Fitness Activities (M) (1 credit). A class designed to improve techniques and skills for individual fitness, with emphasis on drills and general physical conditioning programs for individual needs. The students will also be introduced to a wide variety of physical activities where new and old skills can be used to improve total physical fitness. Either semester.

187 Social Dancing (Coed) (1 credit). The course covers basic techniques of social dancing. Dances included are waltz, cha-cha, fox trot, rumba, tango, lindy, and various novelty dances. Either semester.

188 International Folk Dancing (Coed) (1 credit). Instruction and application of basic steps and patterns used in folk dances from different countries. Either semester.

189 Beginning Bowling (Coed) (1 credit). Designed to teach the basic skills of bowling. Includes instruction in delivery; hands caps and scorekeeping. Either semester. Bowling fee approximately $10.00.

191 Alpine Skiing (Coed) (1 credit). An introduction to the various techniques of skiing. Students will pay an instruction fee and lift fee at Bogus Basin. Students will furnish their equipment and transportation. Spring semester.

192 Defensive Tactics (Coed) (1 credit). The course consists of physical defense against one or more persons; physical arrest; control and restraint; familiarization with control devices; definition and application of that force which is reasonable and necessary, individual and group tactics. Students will furnish their G.I. Prerequisite: For Criminology Majors only. Either semester.

193 Touch Football (M) (1 credit). A class designed to teach technique and skills of touch football, with special emphasis on playing procedures. Students will be introduced to a variety of game activities, movement of old and new skills can be used to improve total physical fitness. Either semester.

194 Cross-Country Skiing (Coed) (1 credit). This course is designed to give the student working knowledge of Cross-Country travel, ski preparation, and winter safety. Students will participate in the winter travel program. Students will furnish their equipment and pay an instruction fee. Spring semester.

202 Principles of Physical Education (Coed) (2 credits). Course content consists of philosophy of physical education, physical education's role in general education, changing concepts of physical education, history and principles of physical education. Prerequisite: Introduction to Physical Education PE 101 and Sophomore standing. Either semester.

208 Beginning Gymnastics (M) (1 credit). This course is designed for the beginning student to provide instruction in the fundamental techniques of all phases of gymnastics. The student will also be acquainted with spotting and safety techniques. Either semester.

209 Advanced Self-Defense (Coed) (1 credit). The course is a continuation of Self-Defense using Aikido, Judo and Karate, teaching coordination of the mind and body and non-aggressive application of the laws of gravity and force. It is designed to teach the student more skill in the techniques learned in Beginning Self-Defense. Students will furnish their G.I. Prerequisite: PE 175 or experience. Either semester.

214 Archery and Bowling (Coed) (1 credit). Professional Activities. Instruction and practice in track and field. (Required in some options) Either semester.

217 Wrestling (Coed) (1 credit). Professional Activities. Instruction and practice in wrestling. (Required in some options) Either semester.

218 Rhythmic Gymnastics (Coed) (1 credit). Professional Activities. Instruction and practice in rhythmic gymnastics. (Required in some options) Either semester.

219 Golf (Coed) (1 credit). Professional Activities. Instruction and practice in golf. (Required in some options) Either semester.

221 Introduction to Athletic Injuries (Coed) (2 credits). An introduction to Athletic training, care prevention, and rehabilitation. The role of the Athletic Trainer, qualifications and responsibilities as they relate to physical education and athletics: control of care in injuries. Prerequisite: G 107 and either 126 and 128 or 150 and 152 and Sophomore standing. Either semester.

223 Advanced Modern Dance (Coed) (1 credit). Continuing technique study encompassing body flexibility, balance, coordination, and movement control leading to dance choreography and production work. Prerequisite: PE 123, Modern Dance or experience. Either semester.

224 Advanced Karate (Coed) (1 credit). This course provides for continuation of the techniques learned in Beginning Karate. Instruction will be given in depth of the art of Karate. Participants will be encouraged to seek degrees of rank. Students will furnish their own G.I. Prerequisite: PE 135 or experience. Either semester.

241 Tennis and Badminton (Coed) (1 credit). Professional Activities. Instruction and practice in Tennis and Badminton. (Required in some options) Either semester.

253 Beginning Gymnastics (W) (1 credit). The course covers basic skills for women on the trampoline, uneven parallel bars, balance beam, sidehorse, and in tumbling. Either semester.

261 Intermediate Badminton (Coed) (1 credit). Advanced basic fundamentals, including round-the-head strokes, advanced serves, advanced smash shots, drop shots, deceptions, and strategy. Prerequisite: Playing experience or PE 161. Either semester.

262 Intermediate Volleyball (W) (1 credit). The course consists of participation in volleyball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or PE 162. Either semester.

264 Intermediate Volleyball (M) (1 credit). Review and practice of basic skills. Will provide advanced instruction in individual and team play. Prerequisite PE 164 Beginning Volleyball or playing experience. Either semester.

265 Intermediate Basketball (W) (1 credit). The course consists of participation in basketball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or PE 165, 188. Spring semester.

269 Intermediate Tennis (Coed) (1 credit). Review of basic fundamentals followed by more advanced drills to develop depth, steadiness, and control; also, game experience and strategy. Students will furnish their own rackets. Prerequisite: PE 169 or playing experience. Either semester.


275 Advanced Soccer (M) (1 credit). Participation on a higher skill level. Emphasis will be on position play, strategy, and development of team play. Prerequisite: Playing experience or PE 172. Either semester.

276 Advanced Self-Defense (M) (2 credits). The purpose of this course is to introduce the novice to a program of basic body building and conditioning exercises that may be accomplished with progressive and more complex skills and conditioning methods that lead to resistance exercises. A brief history of weight training and lifting is conveyed, as well as general and specific precautions, safety factors and appellation of the facts and fallacies of using resistance exercise. Either semester.

278 Advanced Mead (M) (1 credit). This course is designed for those students who have completed the beginning gymnastics courses or who feel they are beyond the basic beginning stages of gymnastics. This course will have a specific goal of helping each student to develop the skill required in progressing from simple stunts to basic routines. Prerequisite: Experience or PE 206. Either semester.

281 Intermediate Swimming (Coed) (1 credit). A review of basic skills and strokes, plus optional strokes, appropriate swimming skills, games, diving, and contests. Prerequisite: Swim 50 yards. Either semester.
361 Elementary School Physical Education Methods (Coed) (3 credits). The class is designed for future elementary school teachers and elementary school physical education specialists, with emphasis on the movement needs of children, the analysis of fundamental skills, the development of skills and the application of various methods of instruction at the primary and intermediate grades. Prerequisite: Junior standing. Either semester.

401 Psychology of Activity (Coed) (3 credits). Concepts of learning, value formation, motivation, emotion and stress as they relate to the beginning and advanced levels of skill learning. Measurement and evaluation of the psychological aspects. Prerequisite: P 101, Physiological Kinesiology, PE 310 and Junior standing. Either semester.

403 Athletic Training and Sports Medicine (Coed) (3 credits). The course presents the advanced theory in the technique of athletic training necessary for the professional athletic trainer. Recognition and understanding of specific care and rehabilitation, therapeutic modalities, introduction to Athletic Injuries PE 228 and Physiological Kinesiology PE 310. Either semester.

430 Organization and Administration of Interscholastic Athletics (Coed) (2 credits). The organization and management of interscholastic athletics including nature and function of budgeting, finance, personnel, facilities, equipment, scheduling records, public relations, legal responsibilities, professional relationships, and professional advancement. Prerequisite: Secondary School Physical Education Methods.


457 Organization and Administration of Physical Education (Coed) (3 credits). Study of department organization, instructional and recreational programs, supervision of instruction, physical plant, and finance. Prerequisite: PE 304 and Junior standing. Either semester.

471 Techniques and Methods for Coaching Women's Volleyball and Field Sports (Coed) (2 credits). The course is designed to prepare women to teach and coach team sports. Areas covered will include organizing the team, scheduling and facilities, coaching methods and drill and practice sessions, and advanced team strategy. Sports considered will be field hockey, volleyball, track and field, and softball. Prerequisite: Secondary School Physical Education Methods. Either semester.

493 & 293 Internship In Physical Education (Coed) (1-6 credits). A field experience in a department organization, instructional and recreational programs, supervision of instruction, physical plant, and finance. Prerequisite: PE 304 and Junior standing. Either semester.

DEPARTMENT OF PSYCHOLOGY

The School of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student's course work in psychology are 'elective.'

The student should be aware, however, that even the elective courses function as parts of a total program designed to produce a graduate with a strong background in basic psychology, and he should not regard successful completion of that program as a preparation to perform psychological services. Rather, he should think of it as (1) a demonstration of educational attainment, like any other successful academic experience, and (2) preparation for more specialized training in professional or academic psychology or in some related field.

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.

Every psychology major must sit for the Graduate Record Examination (both "Apitude" and "Advanced") at some time during his senior year and have the results sent to the Department.
REQUIREMENTS FOR
PSYCHOLOGY MAJOR
Bachelor of Arts or Bachelor of Science

I. Lower Division:
   A. Psychology (see: Area II, below)
   B. Other
   1. Area I
      a. English Composition 3-6
      b. Literature 3
      c. Second Area I field 3
      d. Third Area I field* 3
      e. Any Area I field** 3
      15-18
   2. Area II
      a. History 3
      b. General Psychology P-101 3
      c. Physiological Psychology P-225 3
      d. Intro. to Practice of Psych., P-201 3
      3. Area III
      a. Mathematics for the Life Science M-115-116 10
      18
   III. Free electives (37-40 credits)

   NOTE: Only 12 SPECIAL TOPICS credits may be used in meeting college core requirements.

PSYCHOLOGY MINORS
Psychology Social Science Curriculum Minor
(a phase of the Social Science Secondary Education Options in Economics, History, Political Science, and Sociology)

Required
P-101 General Psychology 3
P-301 Abnormal Psychology 3
P-351 Personality 3
Psychology upper division electives 6
15
Certification Requirement
6 hours of U.S. History 6
Total 21

Psychology - Minor Certification Endorsement
P-101 General Psychology 3
P-301 Abnormal Psychology 3
P-351 Personality 3
Psychology upper division electives 9
Total 21

Suggested Program for the Psychology Major

FRESHMAN YEAR:

1ST SEM. 2ND SEM.

*English Comp. E-101, 102 3 3
*Intro. to Art, Drama, Music or Humanities 3 3
*Concepts of Biology, B-100 4 4
*Concepts of Human Anatomy and Physiology, Z-107 4 4
History of Western Civ. H-101 and H-102 3 3
*General Psychology, P-101 3 3
Elective(s) 4 4
16 17

SOPHOMORE YEAR:

1ST SEM. 2ND SEM.

Literature 3 3
*Math for Life Sciences, M-115, 116 5 5
Physical and Cult. Anthropology; AN 201, 202 3 3
*Physiological Psychology, P-225 3 3
*Intro. to Practice of Psych., P-201 — 3
Elective(s) 4 3
18 17

JUNIOR YEAR:

1ST SEM. 2ND SEM.

*Statistical Methods, P-305 3 —
*Experimental Psych., P-321 4 —
Digital Computer Programming, EN-104 2 —
Child Psychology, P-311 3 —
Adolescent Psychology, P-312 3 —
Perception, P-341 — 3
Electives 9 3
15 15

SENIOR YEAR:

1ST SEM. 2ND SEM.

*Psychological Measurement, P-421 3 —
*Learning, P-441 3 —
*Systems Seminar, P-301 3 —
Abnormal Psychology, P-489 — 3
Personality, P-351 3 —
Social Psychology, P-431 — 3
Electives 3 9
15 15

*Specifically required

Courses

P. PSYCHOLOGY

LOWER DIVISION

101 General Psychology (3 credits). An introductory course in psychology and a prerequisite to most other psychology courses. Theory and terminology are major concerns in the treatment of such topics as the history of psychology, growth and development, the biological system, learning, thinking, individual differences, personality and adjustment. Recommended (not required) preparation. One year of college-level science. Each semester.

151 Career and Life Planning (3 credits). 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 visits and by arranging for resources pertinent to classroom activities. Pass-fail. Limited enrollment. Cannot be used to meet Area II requirements. Each semester.

161 Assertiveness Training (3 credits). 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. Cannot be used to meet Area II requirements. Each semester.

201 Intro to Practice of Psychology (3 credits). An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designed for psychology majors but others accepted if they have completed the introductory course. Prerequisite: General Psychology 101. Spring semester.

225 Physiological Psychology (3 credits). A survey of classical and current problems, with emphasis on nervous and endocrine systems in the processing of information with the organization of behavior. Examples of sensation, perception, motivation, emotion, and learning will be studied from this point of view. Prerequisites: General Psychology 101 and Concepts of Human Anatomy and Physiology, Z-107. Fall semester.

261 Human Sexuality (3 credits). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics will include sexual 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. Each semester.

291 Death: A Confrontation for Everyone (3 credits). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living. Either semester.

UPPER DIVISION

(Note: Upper-division psychology courses are saved for upper-division students.)

201 Abnormal Psychology (3 credits). 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. Prerequisite: General Psychology 101. Each semester.
3.11 Child Psychology (3 credits). A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Prerequisite: General Psychology 101. Each semester.

3.12 Adolescent Psychology (3 credits). Chronologically a continuation of Child Psychology, this course will emphasize the special conditions of adolescent growth and adjustment. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. Prerequisite: General Psychology 101. Each semester.

221 Experimental Psychology (4 credits). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data: reporting of behavioral research. Two lectures and two-two hour laboratory periods per week. Prerequisite: General Psychology 101. Statistical Methods P 305 and Mathematics for the Life Sciences M 115-116. Each semester.

225 Educational Psychology (3 credits). A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: General Psychology 101. Each semester.

241 Perceptual Psychology (3 credits). A survey of the basic concepts in the psychology of perception, including a review of the findings of present day research on the receptor processes. Prerequisite: General Psychology 101. Spring semester.

351 Personality (3 credits). A study of the major contemporary theories and concepts of personality. Prerequisite: General Psychology 101. Fall semester.


357 Peer Counseling: The Helping Relationship (3 credits). This course will explore relevant dimensions of the helper-recipient relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in counseling and group activities. The helpers, relating to self and others with practical application will be discussed. This class will be advantageous for dormitory resident assistants and students in future competition for these staff positions, teacher education students, community mental health paraprofessionals, teachers, nurses and other professionals. Prerequisite: Psychology 101. Pass-fail. Limited enrollment. Fall semester.

371 Social Psychology of Sex Roles (3 credits). This course will examine sex roles in our own society and nation will be given to the development of density 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. Prerequisites: General Psychology 101 or Introduction to Sociology 101 and upper division status. Spring semester.

461 Senior Review Practicum (3 credits). A systematic coverage of the general principles and essential details of psychology and an opportunity to teach them to others. Seminar discussions of problems related to the materials covered. Practical experience in managing large classes and especially in rendering academic assistance to beginning students. Seminar discussion of difficulties encountered by those student & e.g., test anxiety and poor study habits & of methods of presenting subject-matter. Prerequisite: Psychology 101. Senior or second-semester junior standing in psychology with an upper-division GPA above 3.0. Plus selection by the Department. Each semester.

495 Advanced Statistical Methods (3 credits). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measure designs) and related trend tests, multiple comparison tests, and transformations. Other topics include multiple correlation and regression, canonical correlation, nonparametric tests, and contemporary controversies in the field of statistics. Prerequisite: P 305. Statistical Methods. Limited enrollment; preference to psychology majors who are planning to go on to graduate school. Spring semester.

412 Psychological Measurement (3 credits). An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. Prerequisite: General Psychology 101. Mathematics for the Life Sciences M 115-116 and Statistical Methods P 305. Fall semester.

431 Social Psychology (3 credits). Social factors affecting individual behavior: formation and change of attitudes; social and cultural effects on individual cognitions; effects of leadership on members of groups and organizations. This course may be taken for Psychology or Sociology credit but not for both. Prerequisite: General Psychology 101 and Introduction of Sociology 101. Each semester.


441 Learning (3 credits). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: Conditioning; role learning, problem solving, memory, discrimination, and motor skills. Prerequisite: General Psychology 101, Mathematics for the Life Sciences M 115-116, Statistical Methods P 305, Experimental Psychology P 321. Fall semester.

489 Systems Seminar (3 credits). 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 formal shifts from lecture to seminar. Prerequisite: Senior standing in Psychology. Spring semester.

485 Senior Thesis (3 credits). An individual research project in psychology. The project is selected by the student, and his proposal must be approved by the instructor before he may enroll. 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. Prerequisites: General Psychology P 101, Mathematics for the Life Sciences M 115-116, Statistical Methods P 305, Experimental Psychology P 321, and consent of the instructor. Fall semester.

(See graduate school section for descriptions)

P 501 Counseling and Consulting in the Elementary and Special Classroom (3 credits). Each semester.
P 502 Advanced Educational Psychology (3 credits). Either semester.
P 503 Individual Testing Practicum (3 credits). Spring semester, odd numbered years.
P 504 Analysis of the Individual (3 credits). Fall semester.
P 505 Personality Development (3 credits). Spring semester.
P 508 Seminar Adolescent Psychological Problems (3 credits). Fall semester, every other year.

DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE

The Department of Teacher Education and Library Science at Boise State University exists to improve instruction and enhance learning. The faculty believes this can best be accomplished through emphasis upon the preparation of elementary and secondary school teachers, and the provision of advisory and substantive services to persons who have instructional responsibilities or who wish to improve their learning skills.

To realize this principle the faculty members exemplify instructional excellence, remain current in their fields, and contribute to the knowledge about instruction and learning.

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education in the total preparation of elementary and secondary school teachers and librarians.

The Department of Teacher Education is responsible for planning and conducting the Teacher Education Program, which includes the preparation of school librarians as well as elementary and secondary teachers. The programs are outlined in accordance with the aims and general graduation requirements of the Idaho State Board of Education. The Department of Teacher Education has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the humanities and in the social and natural sciences. Students also receive special preparation for the particular kind of education work they plan to do.

ADMISSION TO TEACHER EDUCATION

A. Students preparing to teach must apply for admission to Teacher Education. Normally, this is accomplished during the Sophomore year. This application will be secured and processed as part of the TE-201 Foundations of Education course (required for certification).

Transfer students who have completed an equivalent course in Foundations of Education shall contact the Coordinator of Field Services and apply for admission to Teacher Education.

Admission to Teacher Education must be completed prior to enrollment in TE-451/452 Elementary Curriculum and Methods or TE 381, Secondary School Methods.

B. General requirements for admission to Teacher Education for elementary and secondary candidates shall be determined and implemented by the Department of Teacher Education. These requirements include:

1. Filing of the Admission to Teacher Education, or its equivalent.
2. A minimum of Grade "C" in TE-201 Foundations of Education, or its equivalent.
3. Satisfactory test scores on authorized departmental examinations of basic proficiencies. These tests are administered during the TE-201 course, but may be taken by transfer students and in special cases by contacting the Coordinator of Field Services. Students failing to make satisfactory scores on one or more of these examinations will be advised as to the specific weaknesses and remediation will be suggested. Students will be given an opportunity to retake any examination previously failed.
4. Any deviations from the preceding policy must be approved by the Chairperson of the Department of Teacher Education and Library Science.

ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES

A. An application for a specific student teaching assignment must be filed with the Office of Field Services, Department of Teacher Education by the following deadlines:
   1. March 1 of the Junior year for Fall Secondary Student Teachers and Fall/Spring Elementary Student Teachers
   2. October 1 of the Senior Year for Spring Secondary Student Teachers and Spring/Fall Elementary Student Teachers

Application forms may be picked up from the Office of the Coordinator of Field Services.

NOTE: Six weeks notice will be required prior to the beginning date of the student teaching assignment, if a student wishes to change semesters (elementary) or specific blocks (secondary).

B. General requirements for admission to student teaching for elementary or secondary candidates include:

1. ELEMENTARY MAJOR
   a. Admission to Teacher Education.
   b. Recommendation by the faculty advisor or department chairman.
   c. A cumulative grade point average of 2.50
   d. Elementary Curriculum and Methods, TE-451 and TE-452, taken concurrently with or prior to student teaching.
   e. Student teaching to be completed during two consecutive semesters.
   f. Senior standing.

NOTE: Deviations from the above requirements must be approved by the chairman of the Department of Teacher Education and Library Science.

2. SECONDARY OPTION
   Students with Secondary Options who are planning to graduate by the Spring of 1981, may choose to fulfill the student teaching requirements as outlined in the 1979-1980 BSU Bulletin.

   a. Admission to Teacher Education.
   b. Secondary Option students must complete an Early School Experience either in a subject matter area or arranged through their TE-201, Foundations of Education, instructor.
   c. Recommendation by the faculty advisor or the department chairman.
   d. A minimum grade point average of 2.50 in the major field, minor field if applicable, and the education courses completed.
   e. A minimum cumulative grade point average of 2.5.
   f. Satisfactory completion (minimum grade of "C") of TE-381, Secondary School Methods, and the appropriate class or classes in special methods for the teaching area.

NOTE: Students are encouraged to complete both TE-381 and special methods prior to student teaching.

C. 300 LEVEL
   a. MU-371 Music Methods for the Elementary School Teacher
   b. AR-321 Elementary School Art Methods
   c. PE-361 Elementary School Physical Education
   d. TE-291 Educational and Psychological Implications for the Exceptional Child in the School

D. 200 LEVEL
   a. TE-201 Foundations of Education
   b. TE-205 Approaches to Reading
   c. TE-271 Teacher Aide Practicum
   d. TE-291 Educational and Psychological Implications for the Exceptional Child in the School

E. Professional Education Requirements

   1. 100 LEVEL Teaching and Reading
   a. TE-171 Early School Experience
   b. M 103-104 Mathematics Elementary Teachers
   c. MU-101 Music Fundamentals
   d. TE-201 Foundations of Education
   e. TE-205 Approaches to Reading
   f. TE-271 Teacher Aide Practicum
   g. TE-291 Educational and Psychological Implications for the Exceptional Child in the School

   2. 200 LEVEL
   a. TE-201 Foundations of Education
   b. TE-205 Approaches to Reading
   c. TE-271 Teacher Aide Practicum
   d. TE-291 Educational and Psychological Implications for the Exceptional Child in the School

   3. 300 LEVEL
   a. MU-371 Music Methods for the Elementary School Teacher
   b. AR-321 Elementary School Art Methods
   c. PE-361 Elementary School Physical Education
SCHOOL OF EDUCATION

FRESHMAN YEAR:
- E-101, E-102 English Composition
- B-100 Concepts of Biology
- Physical Science (C-100, GO-100, PS-100 or PH-105)
- TE-171 Early School Experience
- P-101 General Psychology
- M-103, M-104 Elementary Mathematics for Teachers
- GG-101 Introduction to Geography
- MU-101 Music Fundamentals

Elective Area I Requirement:
- LS-316 Children's Literature
- P-325 Educational Psychology
- 1. P-311 Child Psychology

400 LEVEL
- TE-451 Elementary Curriculum and Methods I
- TE-452 Elementary Curriculum and Methods II
- TE-410 Elementary School Media I
- TE-411 Elementary School Media II
- TE-471 Elementary Student Teaching
- TE-472 Elementary Student Teaching
- TE-473 Student Teaching in Special Education
- TE-498 Senior Seminar—Elementary Education
- TE-499 Senior Seminar—Elementary Education

(Suggested Program)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>E-101 English Composition</td>
<td>4</td>
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</tr>
<tr>
<td>E-102 English Composition</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>B-100 Concepts of Biology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Physical Science (C-100, GO-100, PS-100 or PH-105)</td>
<td>1</td>
<td>1</td>
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<tr>
<td>TE-171 Early School Experience</td>
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<td>3</td>
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<tr>
<td>P-101 General Psychology</td>
<td>3</td>
<td>3</td>
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<tr>
<td>M-103, M-104 Elementary Mathematics for Teachers</td>
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<td>1</td>
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<tr>
<td>GG-101 Introduction to Geography</td>
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<tr>
<td>MU-101 Music Fundamentals</td>
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<td>Electives (include Area II and Area III requirements)</td>
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SOPHOMORE YEAR:

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<tr>
<td>E-270 Survey of American Literature</td>
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<td>TE-201 Foundations of Education</td>
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<td>3</td>
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<tr>
<td>TE-205 Approaches to Reading</td>
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<td>3</td>
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<td>TE-271 Teacher Aide Practicum</td>
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<td>2</td>
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<tr>
<td>TE-291 Education and Psych. Implic. of the Exceptional Child</td>
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<tr>
<td>Electives (consider elementary specialty)</td>
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JUNIOR YEAR:

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<tr>
<td>AR-321 Elementary School Art Methods</td>
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<td>MU 371 Music Methods for the Elem. School Teacher</td>
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<td>PE-381 Elementary School Physical Education</td>
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<td>P-325 Educational Psychology</td>
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<td>3</td>
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<td>LS-316 Children's Literature</td>
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<td>Electives (consider elementary specialty)</td>
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<td>Electives</td>
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SENIOR YEAR:

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<th>COURSE</th>
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<tr>
<td>P-311 Child Psychology</td>
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<td>TE-410 Elementary School Media I</td>
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<td>TE-411 Elementary School Media II</td>
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<td>TE-451 Elem. Curriculum and Methods</td>
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<td>TE-452 Elem. Curriculum and Methods</td>
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<td>TE-471 Elementary Student Teaching</td>
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<td>TE-472 Elementary Student Teaching</td>
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<td>TE-473 Student Teaching Special Ed</td>
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<td>TE-498 Senior Seminar Elementary Education</td>
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<tr>
<td>TE-499 Senior Seminar Elementary Education</td>
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<td>2</td>
</tr>
</tbody>
</table>

Elective | 3        | 3        |

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR
(Bachelor of Arts Degree)

LANGUAGE COMPONENT

SPANISH
Required:
- English Monolinguals:
  - S-101, S-102 Elementary Spanish
  - S-201, S-202 Intermediate Spanish
- Total 16

Spanish/English Bilinguals:
- S-203 Spanish for the Native Speaker
- Total 4

ALL STUDENTS:
- S-303, S-304 Spanish Conversation and Composition
- S-205 El Español Vernacular
- S-409 Teaching Spanish as a First Language in the Elementary School
- S-378 Panorama de la Tradicion Cultura Mexicana/Americana
- Total 14

TOTAL LANGUAGE HOURS FOR ENGLISH MONOLINGUALS 30
TOTAL LANGUAGE HOURS FOR BILINGUALS 18

ENGLISH
Required:
- E-101, E-102 English Composition
- Total 6

TOTAL LANGUAGE COMPONENT—English Monolinguals 42
Bilinguals 30

MULTICULTURAL COMPONENT

Required:
- E-270 Survey of American Literature
- S-425 Mexican American Literature
- Total 7

SO-230 Introduction to Multi-Ethnic Studies
- HY-261 History of Minorities in the US
- CM-351 Intercultural Communications
- AN-254 Cultural Anthropology
- Total 12

Two multicultural courses to be selected from anthropology, history, political science, sociology, or Spanish offerings. (Note: check with advisor for acceptable courses)

REQUIRED MULTICULTURAL COMPONENT 25

SCIENCE COMPONENT

Required:
- M-103, M-104 Math for Elementary Teachers
- B-100 Concepts of Biology
- Total 12
SCHOOL OF EDUCATION

Choose one of the following:
- C-100 Concepts of Chemistry 4
- GO-100 Fundamentals of Geology 4
- PS-100 Foundations of Physical Science 4

Total 4

REQUIRED SCIENCE COMPONENT 16

PROFESSIONAL REQUIREMENTS

GENERAL EDUCATION
- AR-321 Elementary School Art Methods 3
- LS-316 Children's Literature 3
- MU-101 Music Fundamentals 2
- MU-371 Public School Music 2
- P-101 General Psychology 3
- P-311 Child Psychology 3
- PE-381 Elementary School PE Methods 3

TOTAL GENERAL EDUCATION 19

TEACHER EDUCATION
- TE-171 Early School Experience 1
- TE-201 Foundations of Education 3
- TE-271 Teacher Aide Practicum 2
- TE-453 Teaching Reading and Language Arts in the Bilingual Classroom 3
- TE-454 Teaching Content Areas in the Bilingual Classroom 3
- TE-474 Elementary Student Teaching 5
- 475 Bilingual Classroom 10
- TE-498 Conflict in the Educational System 2

TOTAL TEACHER EDUCATION 24

TOTAL PROGRAM HOURS—English Monolinguals 126
Bilinguals 114

NOTE: Sufficient additional electives must be completed to meet the 128-hour graduation requirement.

(Suggested Program)

FRESHMAN YEAR
- *S-101 Elementary Spanish 4
- P-101 General Psychology 3
- E-101 English Composition 3
- M-103 Math for Elementary Teachers 4
- MU-101 Music Fundamentals 2

* S-102 Elementary Spanish 4
- M-104 Math for Elementary Teachers 4
- E-102 English Composition 3
- B-100 Concepts of Biology 4
- TE-171 Early School Experience 1

TOTAL 16

SOPHOMORE YEAR
- *S-201 Intermediate Spanish 4
- *SO-230 Intro to Multi-ethnic Stud. 3
- GO-100 Fund. of Geology 3
- OR
- PS-100 Found. of Physical Science 4
- AN-202 Cultural Anthropology 3
- TE-201 Foundations of Education 3

* S-203 Intermediate Spanish 4
- S-205 Spanish for Native Speakers 4
- E-271-2 Survey of American Literature 3
- HY-261 History of Minorities in US 3
- TE-271 Teacher Aide Practicum 2
- S-205 El Español Vernacular 2
- Elective 2

TOTAL 17

JUNIOR YEAR
- S-303 Spanish Conversation and Composition 3
- LI-305 Intro. to Language Study 3
- Choice 1 from Multicultural Component
- List
- PE-361 Elementary School P.E. Meth. 3
- AR-321 Elementary School Art Meth. 3
- Elective 1

TOTAL 16

S-304 Spanish Conversation and Composition 3
- P-311 Child Psychology 3
- LS-316 Children’s Literature 3
- MU-371 Public School Music 2
- CM-351 Intercultural Communication 3
- Choice II from Multicultural Component 3

TOTAL 17

SENIOR YEAR
- TE-474 Elementary Student Teaching
- Bilingual Classroom 5
- S/TE-409 Teaching Spanish as First Language 3
- TE-453 Teaching Reading and Language Arts Elementary Class 3
- S-378 Panorama de la Tradición Cultura Mexicana / Americana 3
- TE-489 Conflict in Educational Sys. 2

TOTAL 16

TE-475 Elementary Student Teaching
- Bilingual Classroom 5
- S-425 Mexican American Literature 3
- TE-454 Teaching Content Areas in the Bilingual Classroom 3
- LI-407 Applied Linguistics in English as a Second Language 3

TOTAL 15/16

*Required of monolingual students; bilingual students may replace with electives, depending on results of English and Spanish proficiency tests.

AREAS OF SPECIALTY

Students in education may select an area of specialty as a phase of the Elementary Education major or the Secondary Option in subject areas. Areas of specialty are: Early Childhood Education, Library Science, and Special Education. In some instances, students may need to extend the time sequence at the University in order to complete a specialty. Planning for the specialties should begin prior to the Junior year.

EARLY CHILDHOOD EDUCATION

Students may enroll in a program that will provide for a specialty in Early Childhood Education. The Elementary Education major should plan the program with the assistance and approval of the advisor and the consultant in Early Childhood Education. Some courses may be included in both the Elementary Education sequence and the Early Childhood sequence. A minimum of 21 hours, as designated below, is required.

A. Required Courses (total of 17 credit hours)
1. TE-461 Child Behavior in Early Childhood Education. 3 credits.
2. TE-462 Curriculum in Early Childhood Education. 3 credits.
3. TE-464 Teaching and Organizational Strategies in Early Childhood Education. 3 credits.
4. TE-466 Creating Materials in Early Childhood Education. 3 credits.
5. Students must complete TE-472 Elementary Student Teaching at the Kindergarten level. 5 credits.

B. Elective Courses (minimum of 4 credit hours)
1. PE-357 Dance for Children. 2 credits.
2. PE-389 Percep. Motor Prog's. for Kindergarten and Special Education Teachers. 2 credits.
3. TE-291 Educational and Psychological Implications for the Exceptional Child in School. 3 credits.
SCHOOL OF EDUCATION

4. TE-371 Techniques in Student Motivation and Classroom Management. 3 credits.
5. TE-430 Diagnosis of the Mildly and Moderately Handicapped. 3 credits.
6. TE-431 Remediation of the Mildly and Moderately Handicapped. 3 credits.
7. TE-440 Instructional Materials for the Exceptional Child. 3 credits.
8. TE-496 Independent Study. 3 credits.

LIBRARY SCIENCE

In addition to general certification requirements, the training required for teacher librarians, at any grade level, shall be not less than 24 semester credit hours in the general field of educational media, 12 of which must be in the areas of material selection, organization and administration, cataloging and classification, and reference, and bibliography. Students must be able to type.

Up to six semester credit hours in the subject areas listed below may be substituted for an equal number of hours in the field of educational media, for the purpose of meeting the requirements for the endorsement:

- Philosophy of Education
- Educational Administration
- Curriculum Design or Development
- Pedagogy or Methods of Instruction
- Educational Psychology, or Theory of Learning
- Child or Adolescent Psychology
- Communications
- Graphic Arts

A student wishing to become a professional librarian by continuing in a graduate school of librarianship should consult with the library staff, or with the library science instructor, for guidance in planning his undergraduate program. These basic courses which follow, however, will give suitable academic training for librarians in small public libraries in the area, who are unable to afford graduate library schools:

- Introduction to Use of Libraries
- Library Organization and Administration
- Reference and Bibliography
- Basic Book Selection
- Cataloging and Classification
- Children's Literature
- Audio Visual Aids in Education
- Literature for the Adolescent

SPECIAL EDUCATION

Students desiring to teach exceptional children may enroll in one of the following programs and upon successful completion will meet requirements for Idaho Teacher Certification. Both programs have been designed to be pursued in a dual program with either the Elementary or Secondary Education major. The student should begin program planning as early as possible with the student's advisor and a consultant from Special Education, thereby providing continuity and elimination of possible obstacles.

Several courses may be applied to a dual program and the student should plan accordingly. These programs are designed to meet Idaho Exceptional Child Certification standards which require a major of 30 credit hours in the desired area of certification.

A. GENERALIST (EDUCATIONALLY HANDICAPPED)

This program enables a special education teacher to work with exceptional children who exhibit mild or moderate educational handicaps such as the mentally retarded, learning disabled, and emotionally disturbed, either in a resource room or a regular classroom.

1. Required Courses (27 credit hours)
   a. TE-171 Early School Experience ........................................ 1
   b. TE-271 Teacher Aide Practicum ........................................ 2
   c. TE-291 Education & Psychological Implications for the Exceptional Child in School ......................................................... 3
   d. TE-371 Techniques in Student Motivation & Classroom Management ......................................................... 3

2. Elective Courses (minimum 6 credits)
   a. TE-358 Corrective Reading ........................................... 3
   b. TE-423G Teaching the Moderately Handicapped ........................................... 3
   c. TE-473 Student Teach. in Special Education (L.D.) Classroom ........................................... 3
   d. TE-440 Instructional Materials for Exceptional Child ........................................... 3
   e. TE-422 Curriculum for Moderately & Severely Handicapped ........................................... 3
   f. TE-423G Teaching the Moderately & Severely Handicapped ........................................... 3
   g. TE-473 Student Teach. in Special Education (M.R.) Classroom ........................................... 3
   h. TE-499 Senior Seminar in Spec. Ed. ........................................... 2
   i. PE-356 Precep. Motor Prog's. for Kindergarten & Special Ed. ........................................... 2

B. SEVERE RETARDATION

This program enables a special education teacher to work with exceptional children who exhibit severe handicapping conditions, probably requiring a self-contained placement.

1. Required Courses (24 credits)
   a. TE-171 Early School Experience ........................................ 1
   b. TE-271 Teacher Aide Practicum ........................................ 2
   c. TE-291 Education & Psychological Implications for Exceptional Child ........................................... 3
   d. TE-371 Techniques in Student Motivation & Classroom Management ........................................... 3
   e. TE-222 Curriculum for Severely Handicapped ........................................... 3
   f. TE-423G Teaching the Severely Handicapped ........................................... 3
   g. TE-473 Student Teach. in Special Education (L.D.) Classroom ........................................... 3
   h. TE-499 Senior Seminar in Spec. Ed. ........................................... 2
   i. PE-356 Precep. Motor Prog's. for Kindergarten & Special Ed. ........................................... 2

2. Elective Courses (minimum 6 credits)
   a. TE-440 Instructional Materials for Exceptional Child ........................................... 3
   b. TE-450G Behavior Intervention Tech. ........................................... 3
   c. TE-463 Curriculum in Early Childhood Education ........................................... 3
   d. TE-464 Teaching and Organizational Strategies in Early Childhood Education ........................................... 3
   e. TE-496 Independent Study in Mental Retardation ........................................... 3
   f. PE-357 Dance for Children ........................................... 2

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.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of subject matter taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow a specialized program determined by the Department of Teacher Education and Library Science.
CERTIFICATION REQUIREMENTS AND ENDORSEMENTS FOR SECONDARY EDUCATION

Note: Students who plan to graduate by May of 1981 may elect to fulfill the certification requirements as outlined in the 1978-79 Boise State University Bulletin. Starting in the fall of 1981, only the options as described below will be available.

Certification standards for the State of Idaho are listed in the bulletin, Idaho Certification Standards for Professional School Personnel-1979, as prepared by the Idaho Department of Education.

A. Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:
1. Completion of baccalaureate degree including education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the department subject area specialization and the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

Note: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

B. 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 requirements:
- Idaho requires a minimum of twenty 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.

Reading in Content Subjects

**TE 201 Foundations of Education**
**TE 333 Educating Exceptional Secondary Students**
**P 325 Educational Psychology**
**TE 381 Secondary School Methods**
***Special Methods required by major department***
***Student Teaching alternatives***

(see below)

<table>
<thead>
<tr>
<th>Reading in Content Subjects</th>
<th>Single Alternatives</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE 201 Foundations of Education</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>TE 333 Educating Exceptional Secondary Students</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>P 325 Educational Psychology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>TE 381 Secondary School Methods</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><em><strong>Special Methods required by major department</strong></em></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><em><strong>Student Teaching alternatives</strong></em></td>
<td>9</td>
<td>14</td>
</tr>
<tr>
<td>(see below)</td>
<td>22</td>
<td>27</td>
</tr>
</tbody>
</table>

(Student Teaching Alternatives)

<table>
<thead>
<tr>
<th>1. Single Alternatives</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE 483 Junior High/Middle School Student Teaching</td>
<td>8</td>
</tr>
<tr>
<td>TE 486 The Junior High/Middle School</td>
<td>1</td>
</tr>
<tr>
<td>b. TE 483 Senior High School Student Teaching</td>
<td>8</td>
</tr>
<tr>
<td>TE 487 The Senior High School</td>
<td>1</td>
</tr>
<tr>
<td>2. Composite Alternative</td>
<td></td>
</tr>
<tr>
<td>TE 486 The Junior High/Middle School</td>
<td>1</td>
</tr>
<tr>
<td>TE 484 Composite—Junior High/Middle School Student Teaching</td>
<td>6</td>
</tr>
<tr>
<td>TE 485 Composite—Senior High School Student Teaching</td>
<td>6</td>
</tr>
<tr>
<td>TE 487 The Senior High School</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: The above alternatives all lead to a Standard Secondary Certificate (grades 7-12), and offer a variety of student teaching experiences. Alternative "1. a." provides for a Junior High/Middle School experience. Alternative "1. b."

provides for a Senior High School experience. Alternative "2." provides for a combination of Junior High/Middle School and Senior High School experiences. Students should consider alternative "2," if their teaching fields are applicable to both the Junior and Senior High School level. It is highly desirable to discuss such alternatives with the major advisor and with a member of the secondary education faculty in the Department of Teacher Education and Library Science well in advance of applying for student teaching.

Students may complete the student teaching requirements in either the fall or spring semester of their senior year. The advisor should be consulted as to the better time based upon offerings in the major field and other considerations.

Student teaching is scheduled through the Office of the Coordinator of Field Services in the Department of Teacher Education and Library Science. See ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES for specifics regarding student teaching.

C. To be recommended for certification from Boise State University, the student must complete the secondary option degree program within a selected department. Such completion represents a major certification endorsement (at least 20 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.


D. A listing of the Boise State University minor certification endorsements* is included for the convenience of students:

**Requirements for 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.

**ART:**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR-103 Introduction to Art</td>
</tr>
<tr>
<td>AR-105-106 Basic Design</td>
</tr>
<tr>
<td>AR-111 or 112 Drawing</td>
</tr>
<tr>
<td>AR-113 or 114 Painting</td>
</tr>
<tr>
<td>2 hours from the following:</td>
</tr>
<tr>
<td>Sculpture</td>
</tr>
<tr>
<td>Metalsmithing</td>
</tr>
<tr>
<td>Ceramics</td>
</tr>
<tr>
<td>Methods in Crafts</td>
</tr>
</tbody>
</table>

Electives to be taken from the 100-400 regular courses: 7

Suggested electives:
- Art History
- Lettering
- Photography
- Printmaking
- Weaving
- and those listed above

Total 20

**BIOLOGY:**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-107 Essentials of Chemistry</td>
</tr>
<tr>
<td>C-108 Chemistry Lab</td>
</tr>
<tr>
<td>C-109 Essentials of Chemistry</td>
</tr>
<tr>
<td>C-110 Chemistry Lab</td>
</tr>
<tr>
<td>B-301-102 General Biology</td>
</tr>
<tr>
<td>B-343 Genetics</td>
</tr>
<tr>
<td>B-344 Genetics Lab</td>
</tr>
<tr>
<td>B-205 Microbiology</td>
</tr>
</tbody>
</table>

Total 25

105
SCHOOL OF EDUCATION

BUSINESS EDUCATION
(no minor certification endorsement)

CHEMISTRY:
100 level general chemistry courses ........................................ 8-10
Organic chemistry courses ..................................................... 5
Additional courses in analytical, physical, inorganic or biochemistry . . . 4
Mathematics to the M-111 Algebra and Trigonometry level ............... 5
Total.......................................................................................... 22-24

COMMUNICATION: (Speech)
CM 111 Fundamentals of Speech ............................................... 3
CM 112 Reasoned Discourse ..................................................... 3
CM 221 Communication Process ................................................. 3
CM 311 Speech-Communication for Teachers .............................. 3
CM 401 Methods of Teaching Communication ................................ 3
Electives selected from: ................................................................ 5
Total.......................................................................................... 20

CM 171 Mass Communication ................................................. (3)
CM 241 Oral Interpretation ..................................................... (3)
CM 251 Communication in the Small Group ............................... (3)
CM 307 Interviewing .............................................................. (2)
CM 331 Message Analysis and Criticism .................................... (3)
CM 341 Non-Verbal Communication ........................................ (2)
CM 351 Intercultural Communication ........................................ (3)

CONSUMER EDUCATION: (See Bus. Educ. Dept.)
HE 250 Consumer in the Marketplace ...................................... 3
EC 201-202 Principles of Economics ............................................. 6
FI 108 Personal Finance and Investments ................................... 3
EC 301 Money and Banking .................................................... 3
MK 301 Basic Marketing Management ........................................ 3
BE 411 Consumer Education in Schools .................................... 3
Total.......................................................................................... 21

EARTH SCIENCE:
GO 101 Physical Geology .......................................................... 4
GO 103 Historical Geology ....................................................... 4
GO 201 Introduction to Ocean Geology ...................................... 3
GO 213 Introduction to Meteorology ......................................... 3
PH 105 Introduction to Descriptive Astronomy ............................ 4
Elective selected from: ................................................................ 3
Total.......................................................................................... 21

GO 111 Geology of Idaho and Pacific Northwest ......................... (3)
GO 221 Mineralogy ..................................................................... (4)
GO 313 Geomorphology ............................................................ (3)
GO 351 Invertebrate Paleontology ............................................. (3)
GO 511 Environmental Geology ................................................. (3)

ECONOMICS:
EC 201 Principles of Economics-Macro .................................... 3
EC 202 Principles of Economics-Micro ...................................... 3
EC 303 Intermediate Microeconomics ....................................... 3
EC 305 Intermediate Macroeconomics ...................................... 3
Upper division Economics courses .......................................... 9
Total.......................................................................................... 21

ENGLISH:
Advanced Composition ............................................................. 3
Linguistics ............................................................................... 3
E 270 Survey of American Literature ............................................ 4
E 301 Teaching English Composition OR E 381 Methods of Teaching Secondary School
English .................................................................................... 3
Lower division Literature from E 230, E 235, E 240, E 260, or E 215 ....................................................... 6
Upper division Literature .......................................................... 6
Total.......................................................................................... 25

FOREIGN LANGUAGE:
French: Demonstrate competency equivalent to the completion of Elementary French (F 101-102) and Intermediate Spanish (S 101-102) by completing the course or by examination.
French (F 201-202) by completing the course or by examination.
Complete 21 upper division credits:
F 303-304 French Composition and Conversation .......................... 6
F 376-377 French Culture and Civilization .................................. 6
FL 412 Teaching Methodology in Foreign Language ...................... (3)
Six (6) credit hours in French Literature ..................................... (6)
Competency examination required.
Total.......................................................................................... 21

German: Demonstrate competency equivalent to completion of Elementary German (G 101-102) and Intermediate German (G 201-202) by completing the courses or by examination.
Complete 21 upper division credits:
G 303-304 Advanced German Conversation and Composition .............. (6)
G 376-377 German Culture and Civilization ................................ (6)
FL 412 Teaching Methodology in Foreign Language ...................... (3)
Six (6) credit hours of upper division German literature ................. (6)
Total.......................................................................................... 21

Spanish: Demonstrate competency equivalent to completion of Elementary Spanish (S 101-102) and Intermediate Spanish (S 201-202) by completing the courses or by examination.
Complete 23 upper division credits:
S 303-304 Advanced Spanish Conversation and Composition ............. (6)
S 376-377 Cultura y Civilización Española y Hispano-americana .......... (6)
S 410 Applied Linguistics .............................................................. (2)
FL 412 Teaching Methodology in Foreign Language ...................... (3)
Six (6) credit hours of upper division Spanish Literature ................ (6)
Competency examination required.
Total.......................................................................................... 23

GEOGRAPHY:
GG 101 Introduction to Geography ............................................ 3
GG 102 Cultural Geography ..................................................... 3
A minimum of 6 credit hours of upper division Geography ............. 6
A minimum of 6 credit hours selected from Geography courses ........ 8
Total.......................................................................................... 20

GENERAL SCIENCE:
Complete the basic sequence of courses in: B 101-102 or BT 130 and Z 130 ....................................................... 8-9
Chemistry 107-108-109-110 ....................................................... 9
Geology 101-103 ........................................................................ 8
Physics 101-102 ......................................................................... 8
Total.......................................................................................... 33-34

HEALTH EDUCATION:
PE 100 Health Education ........................................................... 3
PE 105 First Aid .......................................................................... 2
ZO 107 Anatomy and Physiology .............................................. 4
HE 207 Nutrition ....................................................................... 3
PE 302 Adolescent Psychology .................................................. 3
PE 305 Personal and Public Health Problems ......................... 3
Electives from the following: H 109 Drugs: Use and Abuse ........................ (2)
B 200 Man and the Environment ......................................... (3)
H 203 Introduction to Disease Conditions ................................... (3)
H 265 Chronic Illness: Impact and Outcome ............................. (3)

106
HISTORY:
Lower Division: 12
HY 151-152 U.S. History or HY 251-252 Problems in U.S. History 6
HY 101-102 Western Civilization or Problems in Western Civilization 3
Three credit hours in American Government (State Required) 3
Upper division courses to include
3 credit hours of U.S. History with remaining nine credit hours selected from two or three major history areas (U.S., European, Third World) 12
Total 24

MATHEMATICS:
M 122 or M 124 Digital Computer Programming 2
M 204 or M 211 Calculus 5
M 205 or M 212 Calculus 4-5
At least one of the following: 3-4
M 302 Introduction 3
M 306 Number Theory 3
M 311 Foundations of Geometry 3
M 361 Fundamentals of Statistics 4
Electives to complete 20 hours 6-4
Total 20-20

MUSIC:
Instrumental Track:
MU 119-120 Materials of Music 6
MU 121-122 Ear Training 2
MU 133 Introduction to Music 3
MU 233 Basic Conducting 1
MU 271 Orientation to Music Education 1
1 year Applied Music 4
1 year major performance Ensemble 2
MU 257 String Instrument Methods and Techniques 2
MU 266 Woodwind Methods and Techniques 2
MU 368 Instrumental Conducting 1
MU 369 Brass Methods and Techniques 2
MU 387 Band and Orchestra Methods and Materials 2
Total 30

Choral Track
MU 119-120 Materials of Music 6
MU 121-122 Ear Training 2
MU 133 Introduction to Music 3
MU 256 Vocal Techniques 2
MU 261 Basic Conducting 1
MU 271 Orientation to Music Education 1
1 year Applied Music (Major Instrument) 4
1 year major performance Ensemble 2
1 year Applied Music (Voice or Piano) 4
MU 365 Choral Conducting 1
MU 385 Choral Methods and Materials 2
Total 28

PHYSICAL EDUCATION:
Elementary Physical Education:
PE 105 First Aid 2
PE 113 Gymnastics 1
PE 117 Field Sports 1
PE 143 Basketball and Volleyball 1
PE 212 Track and Field 1
PE 230 Anatomical Kinesiology 2
PE 355 Perceptual Motor Programs for Kindergarten and Special Education Teachers 2
PE 356 Elementary School Physical Education Methods 3
Total 24

SCHOOL OF EDUCATION

PE 451 Adaptive and Corrective Physical Education 2
PE 493 Internship 3
Total 22

Secondary Physical Education:
PE 100 Health Education 3
PE 105 First Aid 2
PE 113 Basic Movement 1
PE 115 Gymnastics 1
PE 117 Field Sports 1
PE 149 Resistant Training and Conditioning Procedures 1
PE 202 Principles of Physical Education 2
PE 212 Track and Field 1
PE 230 Anatomical Kinesiology 2
PE 304 Methods for Teaching Physical Education 2
PE 310 Physiological Kinesiology 2
PE 457 Organization and Administration of Physical Education 3
PE 493 Internship 3
Total 24

PHYSICS:
PH 101-102 General Physics 8
PH 105 Introduction to Descriptive Astronomy 4
PH 207 Introduction to Biophysics 4
EN 101 Technical Drawing 1
OR EN 107 Engineering Fundamentals 2
EN 104 Digital Computer Programming 2
Math skill equivalent to M-111 5
Total 25

POLITICAL SCIENCE:
PO 101 American National Government 3
PO 141 Contemporary Political Ideologies 3
PO 229 Comparative European Governments and Politics 3
PO 231 International Relations 3
Political Science upper division electives 9
Total 21

PSYCHOLOGY:
P 101 General Psychology 3
P 301 Abnormal Psychology 3
P 305 Statistical Methods 3
P 351 Personality 3
Psychology upper division electives 9
Total 21

SOCIOLOGY:
SO 101 Introduction to Sociology 3
SO 310 Social Statistics 3
SO 311 Social Research 3
SO 401 History of Sociology 3
OR SO 402 Current Sociological Perspectives 3
Sociology electives 9
Total 21

THEATRE ARTS:
TA 117-118 Technical Theatre 8
TA 215 Acting 3
TA 331 Major Production Participation 1
TA 341, 342, or 353 World Drama 3
TA 491 Directing 3
TA 421 or 422 Theatre History 3
Total 21

SPECIAL EDUCATION

Students wishing to pursue a program leading to certification as a special education teacher will need to arrange consultation with a special education faculty member in the Department of Teacher Education and Library Science. The student wishing to pursue such a plan should investigate this option as early as
possible since a minimum of thirty (30) credits will be required in the program leading to certification.

GRADUATE PROGRAMS IN EDUCATION
A Master of Arts in Elementary Education is offered through the Department of Teacher Education and Library Science. The candidate for the degree must satisfy the following areas of emphasis: (1) Curriculum and Instruction, (2) Content, Enrichment, (3) Early Childhood, (4) Reading, and (5) Special Education. The specifics of the programs are presented in the Graduate School section of this bulletin.

A Master of Arts in Secondary Education is offered by the Department of Teacher Education in cooperation with participating departments of the University. The areas of emphasis are: (1) Art, Business Education, Earth Science, English, History, Mathematics and Music. The specifics of the programs are presented in the Graduate School section of this bulletin.

SERVICES PLACEMENT
A teacher Placement Service is provided by the Boise State University Career and Financial Services Office. Check with the Director regarding eligibility to use this service and procedures for doing so.

READING EDUCATION CENTER
This Center provides special services for college and public school students with specific problems in reading.

Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

COURSES

TEACHER EDUCATION
LOWER DIVISION
108 Efficient Reading and Effective Study Skills (2 credits). This course is designed to develop the reading and study skills of the college student. Areas covered are organized study techniques, taking examinations, vocabulary building, comprehension of reading material, gaining the main idea of paragraphs, how to use the library, rapid and flexible reading. Many activities are employed, including multimedia techniques to aid student development. Consideration is given to the needs of students who are speakers of English as a second language. Each semester.

171 Early School Experience (1 credit). An experience in an elementary or special education classroom involving observation and assistance to the teacher. Requires a minimum of 20 hours in the classroom and periodic seminars with a university instructor. Program is coordinated by the Department of Teacher Education and Library Science. Required of all elementary education majors. Each semester. Prerequisite to TE 201. Foundations of Education.

201 Foundations of Education (3 credits). This is a general introductory course in education. The intent of the course is to provide the students, as early as possible in their academic career, some familiarity with the teaching profession. The course provides components in the foundations area including social, cultural, philosophic 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. Admission to the Teacher Education Program will be contingent upon meeting certain requirements specified in this course each semester.

203 An Inquiry into Approaches to Reading (3 credits). The course is designed to develop an understanding of a variety of approaches to reading. The course includes a review of a wide selection of media from the Reading Education Center and the Curriculum Resource Center. Also included is the observation of the use of materials and media in classroom situations. The needs of children speaking English as a second language are considered, including oral language development, comparative phonology, comprehension, learning styles related to culture and ethnic bias, and racism in instructional materials. Each semester.

217 Teacher Aide Practicum (2 credits). As a part of the total in school pre-professional experience of teachers, this sophomore-level course provides an opportunity for students to become familiar with practical problems of school teaching. Included are a two-hour orientation, seminars with a university supervisor and approximately 40 hours of " Shadows" experiences in an elementary or special education school classroom. Assignments to classrooms and scheduling of teacher aide hours are arranged in cooperation with participating schools. Periodic seminars and evaluations are arranged by the university supervisor. Prerequisite: TE 171. Fall-Spring semester.

219 Educational and Psychological Implications for the Exceptional Child in School (3 credits). The course will provide insight into the various categories of exceptionality, the characteristics of the child, his educational program needs and psychological implications for the child. It will be conducted through class presentations, the various branches of the course, utilization meeting the program needs of these students. Prerequisites: P 101 General Psychology, and TE 171 Early School Experience. Each semester.

UPPER DIVISION
333 Educating Exceptional Secondary Students (1 credit). The course is designed to acquaint secondary teacher trainees with the various categories of exceptional students and their educational needs. Course emphasis will be directed at teaching models utilized at the secondary level for classroom instruction of the exceptional student. Each semester.

350 Production of Audio Visual Materials (2 credits). Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in the operation of the equipment involved. Each semester.

353 Corrective Reading (3 credits). A study of reading difficulties of elementary or secondary school pupils with emphasis upon diagnosis, materials and methods of teaching. The student will tutor an elementary or secondary school pupil assigned from the Reading Education Center for approximately 20 sessions. Opportunity is offered to consider learning disabilities related to ethnic and cultural differences. Prerequisite: Elementary Education majors, TE 201. Special Education majors, Upper Division Standing. Either semester.

371 Techniques in Student Motivation and Classroom Management (3 credits). An overview of behavior perceived as inappropriate to the effectiveness of the regular and special classroom, the possible causes of such behavior, and the alternatives of attending to such behavior. The course is also related to techniques for motivating the child toward appropriate goals. Skills related to parent consultation with parent conferences will also be introduced. Fall semester.

381 Secondary School Methods (3 credits). A study of the overall program and objectives of the secondary school with special attention given to methods and materials of instruction. Application is made to the student's teaching areas. Prerequisite Admission to Teacher Education. This course, and/or a special methods course should be completed prior to student teaching. Each semester.

393 Driver Education (2 credits). This course is 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 and safety. Spring and Summer semesters.

394 Advanced Driver Education (2 credits). A course designed to provide advanced preparation in principles and problems of driving and traffic safety and the education of teachers, supervisors, and administrators. Prerequisite TE 393. Spring, Summer semesters.

395 General Safety Education (3 credits). This course is designed to provide a comprehensive survey of general safety education, as it applies to all fields but especially to the schools. Topics include the study of accidents and their prevention, safety and accident prevention in the schools' traffic safety, student transportation and the school's role relative to safety problems with other public and private agencies. Prerequisite Upper Division standing.

403 Teaching Spanish as a First Language in Elementary School (3 credits). (La Ensenanza del espanol como lengua primera). A practical course designed for the elementary teacher who may help Spanish-speaking students to develop their basic skills in listening, speaking, reading and writing Spanish. The emphasis is on developing approaches to understand and overcome specific language difficulties which originate in bilingual/bicultural interferences. Prerequisite: S-202 (S-203). Course is conducted in Spanish. Offered in alternate academic years.

418 Elementary School Media (1 credit). First semester of two semesters. First semester has emphasis upon media production for the elementary teacher and has basic experiences in the areas of illustration, preservation, lettering and coloring of instruction materials in addition to instruction in the operation of audio-visual equipment commonly found in the elementary classroom. Fall semester.

419 Elementary School Media (1 credit). The second semester of Elementary School Media is designed to give elementary teachers experience in the production and utilization of instructional materials using audio-visual equipment. More advanced skills are taught in the areas of illustration, preservation, lettering, coloring and photography. Spring semester.

420 Curriculum for the Mentally Retarded (3 credits). A study of the specific curriculum needs of mentally retarded children and the methods and materials utilized in the education of the student. A basic approach to the development of the curriculum for the mentally retarded and the teacher's influence in the implementation. Fall semester.

421 Teaching Strategies for the Mentally Retarded (3 credits). Survey and identification of teaching methods utilized in classroom teaching of all levels of retardation. Spring semester.

422 Curriculum Programs for the Moderately/Severely Handicapped (3 credits). This course is designed to acquaint the student with identification of the moderately severely handicapped student and his educational needs. Emphasis is given to the development of curricula and instructional methods for this type of student, who in all probability will not be included in regular school programs. Such handicaps are classified as severe mental retardation, multiple handicaps, and the severely emotionally disturbed will provide the basic exceptionality for this course. Prerequisite: TE 291 Educ. & Psych. Implications for the Exceptional Child in School. Fall semester.

423 Teaching the Moderately and Severely Handicapped (3 credits). The course is designed to aid participants in gaining skills necessary in teaching the moderately and severely handicapped. Updating of information and skills relative to research in this area will be given high priority. Students will be required to read recent literature, participate in classroom activity and to develop and field test their own curricula model. Prerequisites: Successful completion of TE 422, Curriculum Programs for the Moderately Severely Handicapped and TE 393 Driver Education. Spring semester.

424 The Diagnosis of the Mildly and Moderately Handicapped (3 credits). The course will assist teachers in diagnosing the mildly and moderately handicapped and in preparation of teaching experiences for assisting or overcoming these disabilities. Fall semester.

425 The Remediation of the Mildly and Moderately Handicapped (3 credits). Emphasis is placed on the recognition and development of those handicaps of the student indicating mild or moderate handicaps. The course provides the teacher with tools for preparation of the educational program needed for the improvement and possi-
440 Elementary Student Teaching in the Bilingual Classroom (3 credits). This course is designed to develop an understanding of different approaches to reading instruction, including the language experience, the linguistic approach, individualization and use of a basal reader series. It includes review of a wide selection of materials and media and teaching methods for selecting instructional materials, including application of a readability formula to find grade level. When feasible, classroom observation of above listed approaches will be scheduled. Instruction will be presented in both the Spanish and English languages. Prerequisite: S-101, S-102, S-201 and S-202 or S-203.

451 Elementary Curriculum and Methods I (5 credits). The first semester of Elementary Curriculum and Methods with an emphasis upon language arts. However, all aspects of curriculum are included. To be taken concurrently with Student Teaching TE 471. Fall semester.

452 Elementary Curriculum and Methods II (5 credits). The second semester of Elementary Curriculum and Methods with an emphasis upon social studies, science, and mathematics. However, all aspects of curriculum are included. Prerequisite: Elementary Curriculum and Methods I. TE 451. To be taken concurrently with Student Teaching TE 472. Spring semester.

453 Teaching Reading and Language Arts in the Bilingual Classroom (3 credits). The course is designed to develop an understanding of different approaches to reading instruction, including the language experience, the linguistic approach, individualization and use of a basal reader series. It includes review of a wide selection of materials and media and teaching methods for selecting instructional materials, including application of a readability formula to find grade level. When feasible, classroom observation of above listed approaches will be scheduled. Instruction will be presented in both the Spanish and English languages.

454 Teaching Content Areas in the Bilingual Classroom (3 credits). This course includes instructional strategies and techniques in mathematics, science and the social studies for the bilingual classroom. Instruction will be presented in both Spanish and English languages.

456 Child Behavior in Early Childhood Education (3 credits). The influence of home and school environments will be examined in relation to child behaviors. The role of play, emotions, concept formation, and personality development will be emphasized. Special interest areas such as sex education, moral development, creativity, and multi-cultural aspects will be explored. The use of various approaches in working with children will be individualized to meet the needs of the student.

462 Curriculum in Early Childhood Education (3 credits). All areas of the curriculum will be explored. Various early childhood curricula from national programs will be examined. The processes and materials for intellectual and language development examined and utilized.

464 Individualizing Instruction in Early Childhood Education (ages 0 thru 8) (3 credits). Learning Centers, instructional materials, software and hardware. Individualization of instruction, small and large group instruction and video equipment will be covered. The use of aides, parents, and other community resources in the classroom will be discussed along with techniques for evaluating their progress. The use of British Infant and Primary Schools will be explored in depth as well as various United States open-classroom models.

465 Creating Materials in Early Childhood Education (ages 0 thru 8) (3 credits). Students will learn to make, for their classroom, inexpensive materials that are best suited to meet the developmental and cultural needs of the children. Various materials such as independent devices, art project instructions, and construction elements will be used.

470 Elementary Student Teaching (3 credits). Observation and supervised teaching in the schools of Boise. Summer semester.

471 Elementary Student Teaching (5 credits). Observation and supervised teaching. Prerequisites: Approval of an Application for Student Teaching, Senior standing, and GPA 2.5. Fall semester.

472 Elementary Student Teaching (5 credits). Observation and supervised teaching. Prerequisite: TE 451. To be taken concurrently with Student Teaching TE 472. Spring semester.

473 Elementary Student Teaching in Special Education (3 credits). Observation and supervised teaching. This course is designed to develop an understanding of different approaches to reading instruction, including the language experience, the linguistic approach, individualization and use of a basal reader series. It includes review of a wide selection of materials and media and teaching methods for selecting instructional materials, including application of a readability formula to find grade level. When feasible, classroom observation of above listed approaches will be scheduled. Instruction will be presented in both the Spanish and English languages.

474 Individualizing Instruction in Early Childhood Education (ages 0 thru 8) (3 credits). Learning Centers, instructional materials, software and hardware. Individualization of instruction, small and large group instruction and video equipment will be covered. The use of aides, parents, and other community resources in the classroom will be discussed along with techniques for evaluating their progress. The use of British Infant and Primary Schools will be explored in depth as well as various United States open-classroom models.

475 Elementary Student Teaching in the Bilingual Classroom (5 credits). This course includes the fourth week of observation and participation in the opening of school in a bilingual classroom at the elementary level, (b) observation of teaching in bilingual classroom, (c) a teaching assistance assignment in a cooperating teacher in a bilingual classroom, (d) regularly scheduled seminars with a university supervisor. Some areas of the course will be presented in both the Spanish and English languages. Prerequisites: S-101, S-102, S-201, S-202, or S-203, TE 453 and TE 454, or may be taken concurrently with either TE 453 or TE 454.

476 Elementary Student Teaching in the Bilingual Classroom (5 credits). This semester of student teaching includes: (a) observation of teaching in bilingual classrooms at various grade levels, (b) assignment in a bilingual classroom, under the supervision of a cooperating teacher and university supervisor, (c) regularly scheduled seminars with a university supervisor, (d) several weeks of teaching for full days and occasional Saturdays. Some areas of the course will be presented in both the Spanish and English languages.

477 Elementary Student Teaching in the Spanish Classroom (5 credits). This semester of student teaching includes: (a) observation of teaching in Spanish classrooms at various grade levels, (b) assignment in a Spanish classroom, under the supervision of a cooperating teacher and university supervisor, (c) regularly scheduled seminars with a university supervisor, (d) several weeks of teaching for full days and occasional Saturdays. Some areas of the course will be presented in both the Spanish and English languages.

478 Elementary Student Teaching in the English Classroom (5 credits). This semester of student teaching includes: (a) observation of teaching in English classrooms at various grade levels, (b) assignment in an English classroom, under the supervision of a cooperating teacher and university supervisor, (c) regularly scheduled seminars with a university supervisor, (d) several weeks of teaching for full days and occasional Saturdays. Some areas of the course will be presented in both the Spanish and English languages.

479 Elementary Student Teaching in the Multicultural Classroom (5 credits). This semester of student teaching includes: (a) observation of teaching in multicultural classrooms at various grade levels, (b) assignment in a multicultural classroom, under the supervision of a cooperating teacher and university supervisor, (c) regularly scheduled seminars with a university supervisor, (d) several weeks of teaching for full days and occasional Saturdays. Some areas of the course will be presented in both the Spanish and English languages.
SCHOOL OF EDUCATION

TE 518 Techniques for Creative Writing in Elementary Schools (3 credits). Spring semester.

TE 519 Advanced Children's Literature (3 credits). Spring semester.

TE 520 Educational Media (3 credits). Summer, every other year.

TE 521 Elementary Physical Education Activities (3 credits). Summer, every other year.

TE 522 Individualization of Reading Instruction (3 credits). Spring semester and Summer.

TE 523 Emotionally Disturbed Child in the Classroom (3 credits). Fall semester and Summer.

TE 531 Education for the Culturally Different Learner (3 credits). Spring semester.

TE 541 Education in Emerging Nations (3 credits). Fall semester.

TE 543 Early Childhood Education Research and Review (3 credits).

TE 544 Advancing Physical and Intellectual Competencies in Early Childhood Education (3 credits).

TE 545 Creativity in Early Childhood Education (3 credits).

TE 546 Diagnosis and Evaluation in Early Childhood Education (3 credits).

TE 547 Language Acquisition and Development in Early Childhood Education (3 credits).

TE 548 Program Development in Early Childhood Education (3 credits).

TE 551 Fundamentals of Educational Research for Teachers (3 credits). Fall semester.

TE 553 Core in Secondary Education (3 credits). Summer

TE 555 Supervision in Schools (3 credits). Spring semester.

TE 556 Real Values and Ideology in Education (3 credits).

TE 560 Testing and Grading (1 credit). Summer.

TE 561 Language Acquisition and Development in Early Childhood Education (3 credits).

TE 562 Program Development in Early Childhood Education (3 credits).

TE 563 Conflicting Values Influencing Education (1 credit). Summer.

TE 564 Creative Teaching—Secondary School (1 credit). Summer.

TE 565 Interpreting Educational Research (1 credit). Summer.

TE 566 Learning Theory and Classroom Instruction (1 credit). Summer.

TE 567 Techniques of Classroom Management (1 credit). Summer.

TE 568 Testing and Grading (1 credit). Summer.

TE 570-571 Comprehensive Core for Elementary Education (total of 6 credits). Summer.

TE 572 Creative Teaching—Elementary School (1 credit). Summer.

TE 580 Practicum in Learning Disabilities (4 credits). Each semester and Summer.

TE 581 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 582 Practicum in Learning Disabilities (4 credits). Each semester and Summer.

TE 583 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 584 Practicum in Learning Disabilities (4 credits). Each semester and Summer.

TE 585 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 586 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 587 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 588 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 589 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 590 Practicum in Mental Retardation (4 credits). Each semester and Summer.

TE 591 Project (3 credits). Each semester and Summer.

TE 592 Thesis (3 credits). Each semester and summer.

LS LIBRARY SCIENCE

LOWER DIVISION

101 Introduction to Use of Books and Libraries (2 credits). Teaches efficient use of library materials, card catalog, indexes, general reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshmen, sophomores and new students. Recommended for education majors. Fall semester.

102 Basic Library Skills (1 credit). An independent, self-paced, self-directed course in library skills including resources common to academic libraries in general and facilities in the Boise State University Library in particular. The course is 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. No tests will be given, but conferences may be held. All assignments must be satisfactorily completed to receive credit. (Credit, no credit basis).

UPPER DIVISION

201 Library Organization and Administration (3 credits). An introduction to the development, organization, and management of all types of libraries, with emphasis on the school library and its place in the instructional program. First semester.

211 Reference and Bibliography (3 credits). Introduction to the principles and techniques of reference work: the evaluation and use of basic reference books, indexes, and bibliographies found in school and small public libraries. Fall semester.

216 Children's Literature (3 credits). Emphasis on selection, wide reading, and evaluation of books for children, and reading guidance in relation to both personal and curricular needs. Required of elementary education majors and elementary school librarians; recommended for public librarians, parents and any who work with children. Literature intended to increase awareness and understanding of minority cultures is included. Members of minority groups are given opportunity to provide information through discussions, films, seminars. Each semester.


241 Literature for Adolescent (3 credits). Reading and appraisal of literature appropriate to the needs, interests, and abilities of young people, including emphasis upon the needs of ethnic minorities. Intended for librarians, high school teachers and others interested in working with young adults. Prerequisite: 3 credits of lower division Literature. Spring semester.
PART VII

SCHOOL OF HEALTH SCIENCES
Dean: Victor H. Duke, Ph.D.

INTRODUCTION
The School of Health Sciences is organized and dedicated to provide a stimulating and challenging milieu in which students can gain the professional, technical, and liberal arts foundation to prepare them for life-long service and learning.

Course work leading to baccalaureate and associate degrees is offered in several health care professional programs. Preprofessional course work and counseling are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The school also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners.

Faculty of the school not only have the required academic degrees but are also registered or certified as practitioners in the areas in which they teach. Hospitals, clinics, government agencies, and a variety of health care practitioners afford the necessary patients, professional support and clinical facilities which are required to complement the classes and laboratories at the University.

ADVISORY COUNCIL AND ADJUNCTIVE FACULTY
David M. Barton, MD
Chairman of Advisory Council

Bee Biggs, RN, FNP
Armand L. Bird

Edith Miller Klein, JD
Robert W. Matthies, MD
Blake Morgan
Clayton C. Morgan, MD

M. M. Burkholder, MD
Joseph J. Callanan, MD
Robert M. Gudmundsen, DDS
James R. Hammarsten, MD
Velma Morrison
Sister Beverly Ann Nelson
Mary Nelson, RN
Leonard O. Thompson

CLINICAL AFFILIATES
Ada County Council on Alcoholism, Boise, Idaho
Alcohol Rehabilitation Center, Boise, Idaho
Boise Convalescent Center, Boise, Idaho
Boise Orthopedic Clinic, Boise, Idaho
Caldwell Memorial Hospital, Caldwell, Idaho
Central District Health Department, Boise, Idaho
Community Health Clinics, Nampa, Idaho
Grand Oaks Health Care Center, Boise, Idaho
Headstart, El-Ada Community Action, Boise, Idaho
Idaho Elks Rehabilitation Center, Boise, Idaho
Independent School District of Boise, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain States Tumor Institute, Boise, Idaho
Nampa Convalescent Center, Nampa, Idaho
St. Alphonsus Hospital, Boise, Idaho
St. Luke’s Hospital, Boise, Idaho
St. Mary’s School, Boise, Idaho
Sunset Nursing Home, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Medical Center, Boise, Idaho
DEPARTMENT OF ALLIED HEALTH STUDIES

Chairman-Associate Professor: Conrad Colby
Medical Office Assistant
Acting Director: Elaine Rockne
Medical Record Science
Director-Instructor: Elaine Rockne
Clinical Coordinator-Assistant Professor: Carol Seddon
Advisory Board: Patricia Kemper, ART; James Meade, Ph.D.; Lorraine Schimmels, ART; Kathy Seeborg, ART; Leonard Thompson

Medical Technology
Adjunctive Faculty: Beals, Day, Kopper, Perotto, Roberts
Advisors: Ellis, Fuller
Radiologic Technology
Director-Associate Professor: Duane Akroyd
Clinical Coordinator-Instructor: Rex Profit
Instructors: Broswick, Kraker, Munk
Medical Director: Charles L. Robertson, M.D.
Adjunctive Faculty: Champion, Hollingsworth, Howard, Lemon, Percifield
Advisory Board: Carolyn Beaman, RT; David W. Bennett, MD; Tom Davies, RT; Cleo Champion, RT; Charles Howard, RT; Dean Jacobson, RT; Donald Rau, MD; Charles L. Robertson, MD; Charles Smith, MD; Don Bernasconi

Respiratory Therapy
Director-Instructor: Lonny Ashworth
Clinical Coordinator: Keith Hopper
Assistant Professor: Jensen
Medical Director: David K. Merrick, M.D.
Adjunctive Faculty: V. Ashworth, Espeland, Gable, Gossi, Hammarsten, Ricks, Smith.
Advisory Board: George Burger, RRT; Linda Deklotz; Jeanne Deaver; Shirley Gossi; Kitti Gurnsey; James F. Hammarsten, MD; James J. McCabe, MD; David K. Merrick, MD; David V. Nuerenberg, RRT; June Penner, MPH/RN; Greg Pilcher, CRTT; David K. Ricks, MD; Charles E. Reed, MD; Joyce Shields.

INTRODUCTION

In order to deliver the best health care possible, it is necessary that the physician and other members of the health care team be able to utilize the many complex and specialized tests, procedures and instruments which modern medical science has produced. This requires that persons must be trained to complement and support the physician in providing the best treatment for the patient. These other members of the health team are known as allied health personnel.

In 1967 the ratio of allied health personnel to physicians was approximately ten allied health people to one physician. The present ratio is approaching twenty to twenty-five per physician. Delivery of adequate and quality health care depends on the education of persons in technological specialties.

HEALTH SCIENCE STUDIES

BACHELOR OF SCIENCE

The bachelor of science degree in Health Science provides the curriculum whereby an individual may gain an education in the biological, physical, and health sciences to provide a foundation for additional professional or graduate work in several health science professions. This curriculum is designed to qualify the student for admission into hospital programs leading to certification as medical technologists. It is also recommended for students in pre-medical and pre-dental programs.

CREDITS

1. Requirements:  
   English Composition ........................................ 6  
   Area I requirements ........................................ 12

AREA I REQUIREMENTS

Area I requirements:  

1. Completion of basic core requirements:  
   English Composition ........................................ 6  
   Area I ....................................................... 12  
   Area II ...................................................... 12  
   Math (M 111-119 or M 115-116) ................................ 10  
   College Chemistry & Lab ..................................... 4  
   Organic Chemistry & Lab ..................................... 10  
   Subtotal .................................................... 34

AREA II REQUIREMENTS

Area II requirements:  

1. Completion of basic core requirements:  
   College Chemistry & Lab ..................................... 4  
   Organic Chemistry & Lab ..................................... 10  
   Subtotal .................................................... 14

SUBTOTAL

Total credits: 83

2. Electives (science) 6 courses
   General Physics (8) or Biophysics (4)  
   Genetics (3)  
   Histology (4)  
   Quantitative Analysis with lab (5)  
   Pathogenic Bacteriology (4)  
   Parasitology (3)  
   Comparative Anatomy (4)  
   Physical Chemistry (8)  
   Subtotal .................................................... 22-23

3. Electives (Health Science) Minimum of three courses
   Legal Concepts for Health Practitioners (3)  
   Medical Terminology (3)  
   Medical Economics and Finance (3)  
   Public Health Administration (3)  
   Preprofessional Internship (2)  
   Subtotal .................................................... 6-9

Total credits: 128

MEDICAL TECHNOLOGY

BACHELOR OF SCIENCE PROGRAM

Medical Technology offers an excellent opportunity for those interested in science fields which relate to the medical laboratory. However, there is increasing demand for the limited space in the hospital training programs and it is essential that those interested in the profession will be well versed in physical, biological and health sciences.

To this end, the Department of Allied Health Studies offers the student two options. He/she may take three years of academic work (96 credits) in which he will complete the requirements of the college core as well as the basic science requirements set forth by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLs), an agency of the Council of Medical Education of the American Medical Association. The student may then apply for the one-year clinical program, and upon its successful completion will be eligible to write the examination for certification and also be eligible for a B.S. degree in Medical Technology.

The student may also complete the fourth year in a prescribed academic program to earn a B.S. in Health Sciences Studies. After completion of one year in an accredited hospital program he would be eligible for a second degree of a B.S. in Medical Technology.

Those BSU students who gain admission to an accredited hospital program and wish to have this experience counted for BSU credit must enroll in MT 487-488-489. A registration fee of ten dollars per credit hour is required. This will provide the individual with student privileges such as access to university loans and scholarships, use of the library and gymnasium, etc.

REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

1. Completion of basic core requirements:  
   English Composition ........................................ 6  
   Area I ....................................................... 12  
   Area II ...................................................... 12  
   Math (M 111-119 or M 115-116) ................................ 10  
   College Chemistry & Lab ..................................... 4  
   Organic Chemistry & Lab ..................................... 10  
   Subtotal .................................................... 34  
   Biochemistry & Lab ......................................... 4  
   General Zoology ............................................. 4  
   General Botany ............................................. 4  
   Cell Biology ................................................. 3  
   Bacteriology ............................................... 5  
   Subtotal .................................................... 83

2. Electives (science) 6 courses
   General Physics (8) or Biophysics (4)  
   Genetics (3)  
   Histology (4)  
   Quantitative Analysis with lab (5)  
   Pathogenic Bacteriology (4)  
   Parasitology (3)  
   Comparative Anatomy (4)  
   Physical Chemistry (8)  
   Subtotal .................................................... 22-23

3. Electives (Health Science) Minimum of three courses
   Legal Concepts for Health Practitioners (3)  
   Medical Terminology (3)  
   Medical Economics and Finance (3)  
   Public Health Administration (3)  
   Preprofessional Internship (2)  
   Subtotal .................................................... 6-9

Total credits: 128

STATEMENT OF ACCREDITATION

The Department of Allied Health Studies is accredited by the National League for Nursing and the National Accrediting Agency for Clinical Laboratory Sciences.

SCHOOL OF HEALTH SCIENCES
Senior Year—Clinical Class and Practice
A calendar year to be spent in St. Alphonso Hospital or St. Luke’s Hospital, Boise, Idaho, or in other hospitals, having clinical programs approved and accredited by the NAACLS.

MT 487-8-9
Hematology
Clinical Bacteriology
Clinical Parasitology
Urinalysis
Clinical Chemistry
Immunohematology
Serology-Immunochemistry
Toxicology
Clinical Mycology
Clinical Correlations Seminar
Total credits

Total

128

PREPROFESSIONAL CORE YEAR
FOR ALLIED HEALTH:
MEDICAL RECORD SCIENCE (MR)
RADIOLOGIC TECHNOLOGY (RD)
RESPIRATORY THERAPY (RT)

REQUIREMENTS FOR ADMISSION
A. Preprofessional Core Year
1. See University admission policy.
B. Professional Program
1. Only students who have completed or are in the process of completing the Allied Health core curriculum with a GPA of 2.00 or higher, will be considered for acceptance into the following Allied Health programs: Medical Record Science; Radiologic Technology; or Respiratory Therapy.
2. Health status must be adequate to insure successful performance of clinical activities.

APPLICATION PROCESS
A. Preprofessional Core Year
1. See University requirements for admission.
B. Professional Programs
1. All students must fill out and return to the particular program office (Medical Records, Radiologic Technology, or Respiratory Therapy) a "Special Programs Application for the Department of Allied Health Studies", on or before March 1 of the year in which they plan to attend the professional program.
2. Applicants will be notified of their status by April 25.
3. Applicants are required to have an interview during spring semester of the preprofessional year. Contact the Program Director for specific dates.

CORE CURRICULUM
All students who are considering entry into one of these Allied Health programs must have completed or be in the process of completing the following core curriculum. Core curriculum need not be taken at BSU.

PREPROFESSIONAL CORE YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Beginning and Intermediate Typing</td>
<td>2</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>4</td>
</tr>
<tr>
<td>Medical Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Area Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

*Students transferring from other institutions may take this course in their first year at BSU if a similar course has not been available at their previous college.

PROMOTION AND GRADUATION
A. Professional Programs
1. Students must maintain a GPA of at least 2.50 in professional courses for the first semester of the professional program. A GPA of less than the required may constitute removal from the program.
2. A grade of less than a “C” in any professional theory (numbered H, MR, RD, RT) or clinical unit must be repeated and raised to a “C” or higher before continuing the program.

MEDICAL RECORD SCIENCE
Medical Record Technicians are qualified to work in any health care agency where health records are prepared, analyzed, and preserved. Areas of concentration include classifying diseases and operations, analyzing records of discharged patients, compiling statistical information for administration and research, transcribing medical reports, and abstracting data for medical care evaluation studies. In addition, students receive training in medical record departments of area health facilities. Students are responsible for their own transportation from BSU to the clinical agencies.
SCHOOL OF HEALTH SCIENCES

The program offers an Associate of Science degree and is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in collaboration with the American Medical Record Association.

Graduates of the program are eligible to write the national accreditation examination, and upon successful completion of this examination, are recognized as Accredited Record Technicians (ART).

Requirements for Admission, Application Process, Promotion and Graduation, see professional core year for Allied Health.

CURRICULUM

First year—Preprofessional Core, described at beginning of this section.

Before being accepted into the professional year of the Medical Record Technician program, applicants must demonstrate a typing speed of at least 45 words per minute.

PROFESSIONAL YEAR:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Terminology (H 101)</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Medical Records</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Health Data</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Disease and Operative Classification</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Disease Conditions (H 203)</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Medical Records II</td>
<td>—</td>
<td>5</td>
</tr>
<tr>
<td>Legal Concepts for Health Practitioners (H 210)</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Health Record Transcription</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Data Processing</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td>14</td>
<td>16</td>
</tr>
</tbody>
</table>

After successful completion of the professional year at BSU, students will have a four week period of directed practice in one of several affiliated health facilities. (MR 215).

MR MEDICAL RECORDS

201, 202 Medical Records I — 3 credit lecture (MR 201), 2 credit lab (MR 202), must be taken concurrently. Principles of medical record technology, including the preparation, analysis, preservation and retrieval of health information. The value of this information to the patient, the doctor, and the community will be stressed. Prerequisite: Preprofessional core year, or permission of instructor. Fall semester.

203, 204 Medical Records II — 3 credit lecture (MR 203), 2 credit lab (MR 204), must be taken concurrently. Medical records in a variety of health care facilities, release of information, medical staff organization, and requirements and survey procedures of licensing and accrediting agencies. Medicare law and other federal regulations will be presented. Students will be introduced to the basic principles of supervising and managing a medical record department. Prerequisite: MR 201, 202. Spring semester.

205 Health Data (3 credits). Collection and presentation of routine data for daily, monthly, and yearly hospital statistical reports. Statistical formulas, preparation of birth certificates, and abstracting information for computerized data processing systems will be included. Prerequisite: MR 201, 202, or concurrent enrollment. Fall semester.

207 Disease and Operative Classification (3 credits). Principles and practice in coding of diseases and operations according to International Classification of Diseases. Other systems of coding will be presented, as well as methods of indexing diagnoses and operations. Prerequisite: Concurrent enrollment in MR 201, 202 or permission of instructor. Fall semester.

209 Health Record Transcription (2 credits). Four hours per week of practice in the machine transcription of histories, physical examinations, operations, and other medical reports. Accuracy of terminology and typing will be stressed. Prerequisite: H-101 and completion of typing requirement. Spring semester.

215 Clinical Practice (2 credits). During the summer following the second year, providing all other requirements have been completed, the students will spend four weeks (160 hours) in medical record departments of affiliated health facilities in order to demonstrate their proficiency in the various areas of medical record technology. Prerequisite: Completion of all other program requirements. Spring semester only.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.

RADIOLOGIC TECHNOLOGY

To determine the presence of injury or disease, radiologic technologists position patients and operate X-ray machines to produce diagnostic film (radiographs). Most technologists work in the radiology department of hospitals or with doctors who maintain private practices.

The Radiologic Technology program in the Department of Allied Health Studies offers a curriculum utilizing both university and clinical components. This type of integrated program is needed in order for the students to gain the essential knowledge and skills required to become radiologic technologists.
222 Radiographic Positioning (3 credits). This course will cover the basic concepts and techniques used in obtaining diagnostic radiographs. Areas of interest are the upper extremities, abdomen, chest, and routine radiographic contrast studies. Fall semester.

226 Radiographic Technique and Control (3 credits). This course is designed to introduce the student to the factors that can affect the diagnostic quality results in a radiograph. Topics discussed are X-ray film, darkroom chemistry, cassettes, and grids. Fall semester.

222 Introduction to Radiologic Science (3 credits). This course introduces the student to Radiologic Technology, its structure and chemistry. Other topics include medical legal ethics, basic radiation position, lifting and carrying procedures, and asepsis. Fall semester.

223 Introduction to Clinical Experience (1 credit). This course introduces the student to the hospital structure, the radiology department, and basic emergency procedures. Fall semester.

242 Radiographic Positioning (4 credits). The sequential course to RD 222. Course material directed to radiographic examination of contrast studies of the GI and GU systems, shoulder girdle, bony thorax, vertebral column, pelvis and hip. Spring semester.

252 Radiographic Technique and Control (3 credits). An in-depth analysis of the density, contrast, distortion, and how they affect radiographic quality. Also discussed are various types of exposure systems and quality control. Spring semester.

285 Radiologic Technology Clinical Practicum (4 credits, 240 hours). Supervised clinical hospital experience. The student must complete 75% minimum of recently taught radiographic exams and a minimum 32 hours in darkroom and office procedures. Spring semester.

UPPER DIVISION

311 Clinical Practicum (1 credit). To be taken concurrently with RD 316.

315 Radiographic Positioning (4 credits). Concepts and techniques used for advanced positioning to include: cranium, sinuses, facial bones and temporal bone. Prerequisites: RD 222 and RD 242; Fall semester.

322 Radiographic Positioning (2 credits). An advanced positioning course emphasizing special radiographic views of specific anatomical areas. Special problems in positioning and devices that may improve positioning skills are discussed. Spring semester.

321 Clinical Practicum (1 credit). To be taken concurrently with RD 320. Spring semester.

336 Seminar in Radiologic Science (4 credits). Covers course material dealing with new and advanced procedures and equipment types evolving in radiology. Guest lecturers from the medical community, review of current literature in radiologic technology, and field trips to various local, state, and federal agencies. Spring semester.

350 Medical and Surgical Diseases (3 credits). This course is a general survey of all diseases and pathology of the human body as they pertain to radiology. Emphasis placed on how this pathology is demonstrated on radiographs as well as its effect on radiographic quality. Fall semester.

361 Special Radiographic Procedures (4 credits). This course provides the basic fundamental concepts of the more specialized radiographic procedures. Emphasis will be placed on the radiological and vascular studies. Fall semester.

375 Radiologic Technology Clinical Experience (5 credits, 300 hours). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. Summer semester.

385 Radiologic Technology Clinical Experience (6 credits, 360 hours). Supervised clinical hospital experience. The student must complete a minimum 60% of procedures involving the skull, 40% exams in special procedures, and 50% continued competency exam list. Fall semester.

386 Radiologic Technology Clinical Experience (6 credits, 360 hours). Supervised clinical hospital experience. The student must complete a minimum 60% of procedures involving the skull, 40% exams in special procedures, and 50% continued competency exam list. Fall semester.

387 Radiologic Technology Clinical Experience (5 credits, 300 hours). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. Summer semester.

400 Management of a Radiology Service (3 credits). This course deals with the set up and operation of a radiology department, the most efficient design, sources available for equipment, and supplies, inventory control and general principles for effective operation of a department. Course includes applied clinical experience in area hospital. Fall semester. Prerequisite: upper division standing in Radiologic Technology.


462 Imaging Modalities in Radiology (3 credits). This course deals with the various imaging modalities in radiology today including thermography, Xeroradiography, ultrasound and nuclear medicine. General operative procedures will be covered along with economic impact and consideration for use of the various imaging modalities. Fall semester. Prerequisite: upper division standing in Radiologic Technology.

474 Implications of Medical Radiation (3 credits). This course deals with the various types of radiation used in medicine today and their physical, biological and economic implications. Spring semester. Prerequisite: upper division standing in Radiologic Technology.

486 Teaching Techniques in Radiologic Science (3 credits). This course introduces the student to basic teaching methodology with emphasis given to teaching in Allied Health. Field trips to various local, state, and federal agencies. Spring semester.

488 Radiographic Quality Assurance (3 credits). This course will provide the essential cognitive and mechanical skills required for conducting and managing a radiographic quality assurance program. Included will be demonstrations and performances with the

RM quality assurance kit. The principles and techniques of a daily photographic quality assurance will be introduced as well. Prerequisite: upper division standing in Radiologic Technology. Spring semester.

GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.

RESPIRATORY THERAPY

Respiratory Therapy is an allied health specialty which is concerned with the treatment, management, control and care of the patient's process of breathing. The Respiratory Therapist is a specialist in the use of therapeutic and evaluation techniques in respiratory care.

The Respiratory Therapy program at Boise State consists of a three-year course of study leading to an Associate of Science degree in Respiratory Therapy. The program is accredited by the American Medical Association.

The program consists of a pre-professional year followed by two years of professional study. Receipt of the Associate of Science degree qualifies the student academically for the examination of the American Registry of Respiratory Therapists, which is the professional designation.

Requirements for Admission, Application Process, Promotion and Graduation, see preprofessional core year for Allied Health. In addition, comprehensive examinations are given during the first week of the last three semesters of the program covering all previous professional work. Students must demonstrate an effective level of competency on each of these evaluations in order to graduate from the program.

CURRICULUM

Preprofessional Core Year for Allied Health as described at the beginning of this section.

FIRST PROFESSIONAL YEAR:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Therapy Theory I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Respiratory Therapy Theory II</td>
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<tr>
<td>Respiratory Therapy Lab I</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Respiratory Therapy Lab II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Clinical Practicum I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Clinical Practicum II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Cardiopulmonary Physiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Respiratory Therapy Nursing Arts</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>General Pathology</td>
<td>1</td>
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<tr>
<td>Emergency Procedures in Respiratory Care</td>
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<td></td>
</tr>
<tr>
<td>Area I or II Elective</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Intro. to Biophysics</td>
<td>4</td>
<td></td>
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<tr>
<td>Microbiology</td>
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<td></td>
</tr>
</tbody>
</table>

SUMMER

| Elective Area I or II                          | 6         |          |

SECOND PROFESSIONAL YEAR:

<table>
<thead>
<tr>
<th>COURSES</th>
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<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Respiratory Therapy Theory III</td>
<td>2</td>
<td></td>
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<tr>
<td>Respiratory Therapy Theory IV</td>
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<td>Respiratory Therapy Lab III</td>
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<td></td>
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<tr>
<td>Respiratory Therapy Lab IV</td>
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<tr>
<td>Clinical Practicum III</td>
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<tr>
<td>Clinical Practicum IV</td>
<td>6</td>
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<tr>
<td>Radiologic Studies of the Respiratory System</td>
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<tr>
<td>Pulmonary Medicine II</td>
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<tr>
<td>Respiratory Cardiology</td>
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<tr>
<td>Professional Seminar</td>
<td>4</td>
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<tr>
<td>Principles of Pharmacotherapeutics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

RT RESPIRATORY THERAPY

281 Respiratory Therapy Cardiopulmonary Physiology (4 credits). Study of the normal physiological functions of the pulmonary and circulatory systems. Prerequisite: admission to Respiratory Therapy Program or consent of instructor. Fall semester.

COURSES
INTRODUCTION

Studies in this department will consider general aspects of human health which are determined by or are contingent on personal, social, and environmental conditions and interaction. The assessment of personal health status, the relationships between personal health and environmental conditions, the existing and future health care delivery systems are all important elements for consideration.

The Department of Community and Environmental Health presently offers a baccalaureate degree in Environmental Health. Environmental health specialists play an important role in the planning, development and execution of public and private programs to insure a healthful community. Specific activities may include assisting private and public enterprises in insuring sanitary conditions in food processing establishments, in recreational facilities, and in public and private water supplies. Other activities may include assisting communities in: properly disposing of solid wastes, controlling undesirable rodent and insect populations, minimizing air, water, and noise pollution, and controlling occupational hazards.

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 education courses. These may be taken at Boise State University or at other accredited colleges or universities, with transfer to BSU for the junior and senior years. Students must also spend 20 hours with environmental health agencies prior to beginning their upper level environmental health courses.

The Department of Community and Environmental Health is affiliated with local, state and federal health agencies throughout the state in order to provide field training.

MINIMUM REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR
(Bachelor of Science)

A. General Requirements: (30 credits)
   1. English Composition
   2. Area I Electives
   3. Psychology
   4. Sociology
   5. Speech
   6. Social Psychology or Urban Community

B. Professional Requirements Science: (57 credits)
   1. College Chemistry
   2. Organic Chemistry
   3. Cell Biology
   4. Math
   5. General Physics
   6. Bacteriology
   7. Botany/Zoology
   8. Applied and Environmental Microbiology
   9. Entomology
   10. Environmental Health Practicum

C. Suggested Electives: (14 credits)
   1. Pathogenic Bacteriology
   2. Physiology
   3. Principles of Economics
   4. Bioecology
   5. Parasitology

H GENERAL HEALTH SCIENCES courses are described in Community and Environmental Health Section.
### ENVIRONMENTAL HEALTH (Suggested Program)

**BACHELOR OF SCIENCE**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
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</thead>
<tbody>
<tr>
<td>English</td>
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<tr>
<td>College Chemistry</td>
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</tr>
<tr>
<td>Math</td>
<td>5</td>
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<tr>
<td>Area I Electives</td>
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<tr>
<td><strong>Total Credits</strong></td>
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**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Botany</td>
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<td>5</td>
</tr>
<tr>
<td>Zoology</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Physics</td>
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<tr>
<td>Technical Writing</td>
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<tr>
<td>Area I Electives</td>
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<td>3</td>
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<tr>
<td>Psychology</td>
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**JUNIOR YEAR:**

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<tr>
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<tbody>
<tr>
<td>Organic Chemistry</td>
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<tr>
<td>Electives</td>
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<tr>
<td>Health Science Requirements</td>
<td>5-6</td>
<td>3-5</td>
</tr>
<tr>
<td>Cell Biology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Area I Elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>13-14</td>
<td>16-18</td>
</tr>
</tbody>
</table>

**SUMMER BETWEEN JUNIOR AND SENIOR YEAR:**

- Public Health Field Training: 4 credits

**SENIOR YEAR:**

<table>
<thead>
<tr>
<th></th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Applied and Environmental Microbiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Health Science Requirements</td>
<td>5-6</td>
<td>3-5</td>
</tr>
<tr>
<td>Social Psychology, or Urban Community</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Entomology</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>14-15</td>
<td>14-16</td>
</tr>
</tbody>
</table>

### COURSES

**EH ENVIRONMENTAL HEALTH**

- 203 Introduction to Allied Health (1 credit). This course is designed to introduce students to various Allied Health disciplines and their clinical functions. Also discussed are the basic educational requirements, opportunities, and advancements for each discipline in the health industry. Discussion of the various health disciplines in the area. An important area of the course is orientation to Allied Health in the clinical facilities. Fall semester.

- 220 Chronic Illness: Impact and Outcome (3 credits). An introductory course in the medical and psychosocial dimensions of chronic illness, using cancer as a prototype. Fall semester. Sophomore standing by permission of instructor.

- 220 Medical Terminology (3 credits). An introduction to Greek and Latin prefixes, roots, and suffixes used in medical terminology, as well as in the study of anatomical, physiological and pathological terms according to systems of the body. Recommended as a beginning course for those with little or no biology background. Both semesters.

- 220 Drugs: Use and Abuse (3 credits). An introductory course which deals with the basic medical, social, and psychopharmacological considerations related to the use of therapeutic and nontherapeutic (recreational) drugs. Spring semester.

- 220 Introduction to Disease Conditions (3 credits). Introduction to the study of diseases, with emphasis on the terminology used in describing causes of disease, diagnostic measures, operations, and pathology. Prerequisite: H 101. Spring semester.

- 220 Pathophysiology (4 credits). Physical and chemical principles of living regulatory systems are explored with application to human physiological states of health and illness. Prerequisites: C 107-108, 109-110, or equivalent. Z 111-112 or equivalent. Fall semester.

- 220 Health Delivery Systems (3 credits). Formal, informal health delivery systems will be studied. Organization, function with little or no biology background. Both semesters.

- 220 Public Health Administration (3 credits). Organization, administration, and functions of the various health agencies, and study of factors which have an impact on agency programs. Prerequisites: upper division standing, and health science major or instructor's approval. Fall semester in even-numbered years.

- 220 Sensitization for Role Change (2 credits). This seminar focuses on student experiences involving professional role confusion-conflict and change. Therapeutic and nontherapeutic (recreational) drugs. Spring semester.

- 220 Health Delivery Systems (3 credits). Formal, informal health delivery systems will be studied. Organization, function with little or no biology background. Both semesters.

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DEPARTMENT OF NURSING

Chairman-Professor: Dr. JoAnn T. Vahey; Director, Baccalaureate Degree Program-Professor: Dr. Charlotte Gale; Director, Associate Degree Program-Associate Professor: Virginia Nehring; Coordinator, BSU/Northwest Nazarene College Cooperative Nursing: Judith Johnson; Project Director, Demo Model for Continuing Education in Nursing: Molly Young; Professor: Miles; Associate Professors: Fleming, Fountain, Penner, Smith, Wilcox; Assistant Professors: Carpenter, D. Johnson, Laws, Lych, Matson, Taylor; Instructors: Jablonski, Job, Mortensen, Peterson, Spears, Wimmer; Emeritus: Kelly; Adjunctive Faculty: Baicy, Baker, L. Barton, DeAsuilners, Doss, Edmonds, Holly, Nelson, Patterson, Rafferty, Rienstra, Young. RN; Jean Hansen, RN; Dorothy Krawczyk; Laura Larson, RN; Jacqueline Mann, RN; Clayton C. Morgan, MD; Katherine Nelson; Mary Nelson, RN; Celeste Rush, RN; Ellen Smith, RN; Bonnie J. Sumter, RN; Ann Young, RN.

INTRODUCTION

The Boise State University Department of Nursing operates as an integral unit of the total University. Students enrolled in Nursing attend classes and socialize with students in various other fields of study on campus.

The Department conducts a two-year, lower-division curriculum leading to an Associate of Science in Nursing degree. This program prepares students to write the State Board Test Pool Examination for initial licensure as a Registered Nurse. The Department also offers a two-year upper-division curriculum for R.N.'s to continue academic study and to obtain a Bachelor of Science in Nursing degree.

PHILOSOPHY

The current system of health care delivery requires Associate as well as Baccalaureate degree prepared practitioners of Nursing. Each of these two groups contributes to meeting the nursing and health care needs of individuals with identified basic 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.

It is recognized that students vary widely with respect to age and life experiences. Therefore, a program of student advisement is essential in assisting students to meet their career goals.

ADMISSION

Students may enter the Associate degree Nursing program only in the Fall semester. The number of students admitted each year is limited by the availability of personnel and clinical resources in the community.

Requirements:

Applicants must meet the general University requirements as well as the stated requirements for the Associate degree Nursing program in one of the four categories listed below:

1. High school graduates will be considered for admission on the basis of A.C.T. or S.A.T. scores and a G.P.A. of 2.75 or above at the completion of the 7th semester of High School.
   A.C.T.: A composite standard score of not less than 20, plus a 70th percentile rating.
   S.A.T.: Total score of at least 888.
2. College students who have earned a minimum of 12 semester college credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.75 G.P.A. or better earned in those college courses.
3. Transfer students from other collegiate (A.D. or B.S.) Schools of Nursing to the Associate Degree Nursing program at Boise State University are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in items 1 and 2 above. In addition, a recommendation from the applicant's previous school of nursing is required. Admission is always dependent upon availability of space in the courses the applicant needs for completion of the program.
4. Licensed Practical Nurses and Diploma School of Nursing transfer students may apply for advanced placement as Sophomore Nursing students by meeting the following criteria:
   a. submit records verifying previous education,
   b. submit current evidence of licensure (L.P.N.),
   c. complete the course N 114 "Orientation to Associate Degree Nursing" during the Fall semester of the year prior to the year of planned enrollment in the Sophomore Nursing courses,
   d. complete all Freshman general education courses which are prerequisites to Sophomore Nursing courses with a G.P.A. of 2.75 or better as well as a grade of C or better in required general education courses.
   e. pass the required A.C.T. Proficiency exams:
      1. Nursing Health Care
      2. Commonalities in Nursing I
      3. Commonalities in Nursing II
      4. Maternal Child Nursing—Associate Degree Level
   f. pass the Freshman level clinical performance evaluation given during the Spring semester only.

LOWER-DIVISION ASSOCIATE 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 to four hours of clinical and/or campus laboratory time. During the Freshman year, there is an average weekly number of nine clinical practice hours. During the Sophomore year, twelve to sixteen hours per week, which may be scheduled days, afternoons, or evenings, between 7:00 a.m. and 11:00 p.m., is typical.

The standard for advancement in the program is a 2.75 G.P.A. or above as well as a minimum grade of C in all required general education and Nursing courses. Theory courses in Nursing and required general education may be repeated only once. Clinical courses in Nursing may be repeated only once. The program is accredited by the Idaho Board of Nursing and the National League for Nursing. A graduate is eligible to write the State Board Examination for licensure as a Registered Nurse (R.N.).
All applicants admitted to the Nursing program are required to:

1. Submit a statement from a physician that the applicant possesses the mental and physical health to meet the requirements of being an active and successful student in the program as well as for being employed in the practice of nursing following graduation.

2. Submit a chest x-ray to the Associate degree Nursing program by July 15 of the year in which they plan to enter the program.

3. Submit $75.00 as prepayment for student name pin, malpractice insurance, and standardized National League for Nursing examinations which are required of all students throughout the program. This is a one-time only charge upon admission to the program.

APPLICATION PROCESS

1. Make application for admission to Boise State University and the Department of Nursing, Associate of Science in Nursing degree program. Both application forms are available from the Administration Building, Room 101.

2. Submit an official High School transcript or G.E.D. test score, A.C.T. or S.A.T. scores, and official transcripts of all previous college work. LPN's must also submit evidence of previous education as well as current licensure. These must be received by the Admission Office prior to March 1 preceding the Fall in which enrollment is planned.

3. Complete all application requirements during the period of September 1 to March 1 prior to the date of anticipated enrollment in Nursing courses.

4. Late applications will be accepted only if space is still available in the Nursing program.

CURRICULUM

A. General Education Requirements:
   - English Composition (E 101-102) .......................... 6
   - Chemistry (C 107-108) ........................................ 4
   - Anatomy and Physiology (Z 111-112) ..................... 8
   - General Psychology (P 101) ................................... 3
   - Nutrition (HE 207) ............................................... 3
   - Microbiology (B 205) ............................................ 4
   - Sociology (SO 101) ............................................... 3
   - Elective .....................................................................

   Total ......................................................................... 34

B. Nursing Major
   - Basic Health Needs
     - N 140-141 (3 credits) ........................................... 3
     - N 150-151 (3 credits) ............................................ 3
     - N 160-161 (3 credits) ............................................ 3

   - Deviations from Basic Health Needs
     - N 220-221 (4 credits) ............................................ 4
     - N 230-231 (4 credits) ............................................ 4
     - N 240-241 (4 credits) ............................................ 4
     - N 250-251 (4 credits) ............................................ 4

   - Nursing Seminar (N 280) 1 credit
   - Nursing Practicum* (N 201) 2 credits

   Total ......................................................................... 30

*recommended but not required

SAMPLE PROGRAM FOR A FULL-TIME NURSING STUDENT

FRESHMAN YEAR

1ST SEMESTER

- Chemistry (C 107-108) ............................................ 4
- Nutrition HE 207) .................................................... 3
- Human Anatomy & Physiology (Z 111) ...................... 4

2ND SEMESTER

- Basic Health Needs:
  - N 140-141 ......................................................... 3
  - N 150-151 or N 160-161 or N 170-171 .................... 3

   Total ......................................................................... 17

SOPHOMORE YEAR

1ST SEMESTER

- English (E 102) ...................................................... 3
- Sociology (SO 101) .................................................. 3
- Deviations from Basic Health: (choose two)
  - N 220-221 and/or N 230-231 and/or N 240-241 and/or N 250-251 ... 8

   Total ......................................................................... 16

2ND SEMESTER

- English (E 102) ...................................................... 3
- Sociology (SO 101) .................................................. 3
- Deviations from Basic Health: (choose two)
  - N 220-221 and/or N 230-231 and/or N 240-241 and/or N 250-251 ... 8

   Total ......................................................................... 16

THE ASSOCIATE OF SCIENCE DEGREE IN NURSING MAY BE COMPLETED IN FOUR SEMESTERS BY TAKING 15-17 CREDITS PER SEMESTER. APPLICANTS, HOWEVER, ARE ADVISED TO COMPLETE THE REQUIRED CHEMISTRY AND ANATOMY & PHYSIOLOGY COURSES BEFORE ENTERING THE PROGRAM.


1. To enable registered nurses to earn the baccalaureate degree with a major in nursing;

2. To provide the base for graduate study in nursing.

Admission to this program is limited to registered nurses graduated from associate degree or diploma schools of nursing who meet admission requirements.

Graduates are awarded the Bachelor of Science in Nursing degree and will be prepared for independent, collaborative and leadership responsibilities in the delivery of health care services. All graduates of this program are prepared for first-level positions in community health nursing. The B.S.N. program is approved by the Idaho State Board of Nursing.

The faculty are currently preparing the program for national accreditation by the National League for Nursing. The site visit is scheduled for Fall, 1980.

**Philosophy of the BSN Program**

Professional nursing education includes both general education and nursing components. General education components provide knowledge of the humanities, social and physical sciences. The curriculum focuses on dynamic states of health as well as illness of individual, family and community. This knowledge base assists the nurse in identifying and understanding health status of individual, family and community and in designing intervention strategies with changes in that status. Further, the professional nursing curriculum promotes refinement and development of nursing practice through utilization and evaluation of nursing research, as well as by employment of theoretical and empirical knowledge derived from general education. This curriculum facilitates the development of collegiality, collaboration and consumer advocacy.

Professional nursing emphasizes the promotion and restoration of health and the prevention of illness through utilization of the nursing process. This process includes activities of assessment, planning, intervention and evaluation in health care delivery. In applying nursing process, the professional nurse demonstrates the art of clinical judgment—that capacity to think critically as a basis for selection, implementation and evaluation of strategies to meet health care needs of individual, family and community. The professional nurse is prepared to provide health care services ranging from simple to complex for individuals, families and groups of all ages and in a wide variety of settings. The professional nurse understands the dynamics of small and large groups and utilizes communication skills which facilitate effective functioning.

The current demand for improved health care requires the professionally-prepared nurse. This individual must be able to: (1) accept responsibility and accountability for his/her own actions; (2) critically analyze and respond to emerging scientific and humanistic advances in knowledge and the potential for implementation in the health care delivery system; and (3) participate in identifying health care trends, predicting health care needs in a changing society, and in developing new nursing roles and strategies for meeting those needs.

**SCHOOL OF HEALTH SCIENCES**

240-241 "Deviations from Basic Health—related to Nutrition and Elimination" (2 credit lecture, 2 credit lab) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for nutrition and elimination concerns of persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the pediatric and medical-surgical areas. Prerequisites: Required general education and Sophomore standing in Nursing program. Offered both semesters.

250-251 "Deviations from Basic Health—related to Activity" (2 credit lecture, 2 credit lab) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on basic needs for activity concerns of persons of all ages. The student has the opportunity to develop skills in nursing care of patients in the medical-surgical and rehabilitation areas. Prerequisite: Required general education and Sophomore standing in Nursing program. Offered both semesters.

250-250 "Nursing Seminar" (1 credit per semester). Philosophy of health care and the role of the graduate as a Registered Nurse. Ethical and legal implications and other factors affecting nursing practice are discussed. Prerequisites: Required general education and Sophomore standing in Nursing program. N 280 offered Fall semester only; N 290 offered Spring semester only.

**UPPER-DIVISION BACCALAUREATE DEGREE**

**Description**

This program has two major purposes:

1. To provide the base for graduate study in nursing;

2. To provide the base for graduate study in nursing.

**Admission, Application and Enrollment**

To qualify for admission, applicants must:

1. Possess current license as a registered nurse and secure Idaho licensure prior to enrollment in upper-division nursing courses.

2. Have maintained a GPA of 2.75 or better in 36-40 semester credits in general education courses, including the following:
   a. 3 or 6 credits—English composition (at BSU E101 and/or E102).
   b. 3 credits each—microbiology and nutrition (at BSU B205 and H. Ec. 207).
   c. 6 credits behavioral science (Area II) — must be introductory courses in psychology and sociology (at BSU P 101 and So101).
   d. 6 credits in humanities (Area I) courses.
   e. 8 credits in chemistry (MUST include inorganic (or general) and organic chemistry; biochemistry also recommended) (at BSU C107-108 and C109-110).
   f. 8 credits in human anatomy and physiology (at BSU Z111-112).

3. Have passed the required theoretical and clinical nursing courses.

To apply for admission, the applicant must:

1. Request from the Admissions Office an application to the Baccalaureate Nursing program. This program has two major purposes:

2. Have completed the following actions by March 1, preceding Fall, 1980.

   a. Returned completed application forms to the Admissions Office.
   
   b. Submitted transcripts from all institutions of higher education which candidate has attended. It may take 6-8 weeks for transcripts to be processed and mailed, so adequate time should be allowed. Graduates of diploma schools of nursing who took college courses in conjunction with their nursing program must submit transcript(s) from college(s) in question. The nursing school transcript, even though it lists such courses, can not be used as an official record of course(s) completed in institutions of higher education.
   
   c. Have taken, or applied to take, the required nursing tests as described under Item 3, Qualification for Admission.
   
   d. Submitted a nursing school transcript, if a graduate of a diploma school of nursing.

*Information on these tests is available from the Baccalaureate Program Office.*
To qualify for enrollment, the candidate must:

1. Return the form indicating intent to enroll. This form is sent to the candidate when he/she is notified of acceptance, in late April or early May. Failure to complete and return the form by the required date will result in removal of the candidate's name from the listing of students to be admitted that Fall.

2. Arrange to attend an orientation session usually lasting half a day and scheduled immediately prior to registration for the Fall semester. Accepted students will be notified regarding the time and place of this meeting. The Baccalaureate Program Student Handbook will be distributed at this meeting.

3. Secure malpractice insurance so that insurance is in force prior to enrollment in any nursing courses with a clinical practicum.
   a. For full-time students, this insurance will be needed at the beginning of the Spring semester and thereafter, throughout the program.
   b. For students who plan to complete the junior year on a part-time basis, this insurance will not be needed until the Spring semester of the second year of enrollment and thereafter, throughout the program.

Failure to have the necessary insurance in force at the time it is required, will render the student ineligible to enroll in any nursing course with a clinical practicum. This will almost certainly result in delaying anticipated graduation. Information concerning sources of malpractice insurance will be provided at the orientation meeting held immediately prior to registration for the Fall semester.

4. Have completed all requirements for admission prior to entering the first semester of the nursing program in the Fall. This regulation applies to candidates who are given conditional admission, pending completion of requirements.

General information regarding admission, application and enrollment:

1. Candidates should apply by the March 1 deadline even if they have course work to complete prior to their anticipated enrollment in the Fall semester of that year. If it appears that they will have completed requirements in time for Fall enrollment, then a conditional admission will be granted, pending completion of requirements by the time of anticipated enrollment.

2. Late applications will be accepted if vacancies still exist in the class to be admitted. Such applications will be considered in the order in which they are received by the director of the baccalaureate nursing program.

3. Enrollment is regulated, according to available faculty, clinical facilities and other resources. If more fully qualified candidates have applied by March 1 than can be admitted, those candidates will be ranked according to the GPA and admission will be granted in order to those with the higher GPAs. Remaining fully qualified applicants will be placed on a waiting list. As vacancies occur in the list of admitted students, the next candidate on the waiting list will be granted admission. Conditionally qualified applicants will be considered for admission only after all candidates who are fully qualified by March 1 have been admitted.

4. Candidates are not required to have had a specified period of work experience; however, they are strongly advised to have had one year of nursing practice within the two year period immediately preceding anticipated enrollment in the baccalaureate nursing program. General staffing recommendations are recommended for those who have recently obtained licensure or who have not been actively engaged in nursing during the two years immediately preceding anticipated enrollment.

5. Students are expected to provide their own transportation to clinical agencies when enrolled in a nursing course with a clinical practicum. For full-time students, this will begin in the spring of the junior year and continue throughout the remainder of the program. For students who take the junior year on a part-time basis, this will begin in the second spring semester of enrollment in the nursing program and continue throughout the remainder of the program.

SCHOOL OF HEALTH SCIENCES

Progression and Graduation

In order to progress through the program and qualify for graduation, students must meet all university requirements for the B.S. degree as well as the requirements for the nursing major, including required support courses. A GPA of 2.75 or better must be maintained and all nursing and required support courses must be completed with a grade of "C" or better. Students may repeat, once only, theory and simulated practicum courses in nursing and required support courses. The clinical practicum of any nursing course may not be repeated if a grade of "D" or "F" was earned.

Students whose GPA falls below 2.75 or who receive less than a "C" in theory and simulated practicum courses in nursing or in required support courses may be eligible for academic probation. Probation for one semester only will be considered by the faculty if, in their opinion, probation is warranted based upon the individual student's circumstances. Failure to achieve the required grade or GPA by the end of the one probationary semester automatically disqualifies the student from further study in the baccalaureate nursing program. Probation will be granted only once. In cases which require probation for a year because the necessary course is not available in the semester immediately following that in which the academic deficiency was incurred, faculty may grant probation for that period of time; however, the student may be required to delay progression in the nursing curriculum until the deficiency has been removed.

Ordinarily, the full-time student who carries 15-16 credits per semester can anticipate completing the program in two years. Depending upon the availability of courses when needed, attendance at summer school may be necessary in some cases to complete Area and elective requirements as specified by the University.

In order to maintain the educational quality of the program and to protect students from losing credits as a result of changes in curriculum or academic policies, part-time students are subject to some regulations as follows:

1. They must complete degree requirements within four years from the initial enrollment in 300-level nursing courses.
2. They must maintain continuous enrollment in nursing courses for both fall and spring semesters.
3. They must follow the prescribed sequencing of nursing courses for part-time students.
4. All 300-level nursing courses must be completed before enrollment in any 400-level nursing courses.

A waiver of any one of these regulations may be granted, upon petition to the faculty, for appropriate reasons such as, but not restricted to, illness, academic probation, and family emergencies. The faculty advisor will assist students to prepare petitions.

Progression in the program is carefully monitored by faculty advisors. Each student who is admitted to the program is given an assigned advisor and the student is expected to confer with this advisor at least once a semester in order to evaluate his/her progress in the program and to plan registration for the next semester. Advisors are also available to students for general academic counseling during fall and spring semesters. Office hours are posted on each faculty member's door.

The assigned advisor is the first person the student should consult regarding problems relevant to progress in the baccalaureate nursing curriculum. If the advisor is unable to help the student resolve a problem, the advisor will refer the student to another resource person. The advisor and student share the responsibility for seeing that the student maintains eligibility for the program and is prepared to meet all graduation requirements.

Further information can be obtained by writing to:
Baccalaureate Program in Nursing
Boise State University
1910 University Drive
Boise, ID 83725 (208) 385-1767

THE CURRICULUM

Introduction

This section contains programs for both full-time and part-time students, as well as course descriptions. Full-time students

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SCHOOL OF HEALTH SCIENCES

should be able to complete the program in two years. Students who attend part time throughout their entire program should complete the nursing curriculum in four academic years and the sequence given for nursing courses must be followed. Students who wish to attend full time for one year and part time for two years must follow the required sequence for the level of courses taken on a part-time basis.

Program—Full-Time Student

<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N 302 Professional Nursing I</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td>N 309 Practicum: Professional Interactions</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>N 308 Professional Interactions</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td>N 360 Health-Illness I</td>
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<td>—</td>
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<tr>
<td>N 361 Practicum: Health-Illness I</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>H 300 Pathophysiology</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>SO 340 Sociology of the Family</td>
<td>3</td>
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<tr>
<td>N 328 Family and Group Interactions</td>
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</tr>
<tr>
<td>N 329 Practicum: Family/Group Interactions</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td>N 362 Health-Illness II</td>
<td>—</td>
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</tr>
<tr>
<td>N 363 Practicum: Health-Illness II</td>
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<td>—</td>
</tr>
<tr>
<td>N 390 Nursing Research</td>
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<td>N 391 Practicum: Nursing Research</td>
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<tr>
<td>N 408 Families and Groups under Stress</td>
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<td>N 409 Practicum: Family and Groups under Stress</td>
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<td>N 410 Nursing in Community Health</td>
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<tr>
<td>N 411 Practicum: Nursing in Community Health</td>
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</tr>
<tr>
<td>N 430 Health-Illness III</td>
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<td>N 431 Practicum: Health-Illness III</td>
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<td>Area I—Humanities</td>
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<tr>
<td>Area III—Elective</td>
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<tr>
<td>N 402 Professional Nursing II</td>
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<tr>
<td>N 432 Health-Illness IV (1st 8 weeks)</td>
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<tr>
<td>N 433 Practicum: Health-Illness IV</td>
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<tr>
<td>N 435 Practicum: Health-Illness V (2nd 8 weeks)</td>
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<tr>
<td>Area II/III—Elective</td>
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<td>Area II—Elective (not psychology or sociology)</td>
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Program—Part-Time Student

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<tbody>
<tr>
<td>N 302 Professional Nursing I</td>
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<tr>
<td>H 300 Pathophysiology</td>
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<tr>
<td>SO 340 Sociology of the Family</td>
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<tr>
<td>N 390 Nursing Research</td>
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<tr>
<td>N 391 Practicum: Nursing Research</td>
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</tr>
<tr>
<td>H 306 Applied Pharmacotherapeutics</td>
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<td>Area I—Humanities</td>
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<tbody>
<tr>
<td>N 308 Professional Interactions</td>
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<tr>
<td>N 309 Practicum: Professional Interactions</td>
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<td>2</td>
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<tr>
<td>N 360 Health-Illness I</td>
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<tr>
<td>N 361 Practicum: Health-Illness I</td>
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<tr>
<td>N 362 Health-Illness II</td>
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<tr>
<td>N 363 Practicum: Health-Illness II</td>
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<tr>
<td>Area III—Elective</td>
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THIRD YEAR

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<th>COURSES</th>
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<tbody>
<tr>
<td>N 408 Families and Groups under Stress</td>
</tr>
<tr>
<td>N 409 Practicum: Families/Groups under Stress</td>
</tr>
<tr>
<td>N 410 Nursing in Community Health</td>
</tr>
<tr>
<td>N 411 Practicum: Nursing in Community Health</td>
</tr>
<tr>
<td>Area II/III—Elective</td>
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<tr>
<td>Area II—Elective (not psychology or sociology)</td>
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<tr>
<td>Independent Study (if desired)</td>
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FOURTH YEAR

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<th>COURSES</th>
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<tbody>
<tr>
<td>N 430 Health-Illness III</td>
</tr>
<tr>
<td>N 431 Practicum: Health-Illness III</td>
</tr>
<tr>
<td>Area II/III—Elective</td>
</tr>
<tr>
<td>N 402 Professional Nursing II</td>
</tr>
<tr>
<td>N 432 Health-Illness IV (1st 8 weeks)</td>
</tr>
<tr>
<td>N 433 Practicum: Health-Illness IV (1st 8 weeks)</td>
</tr>
<tr>
<td>N 435 Practicum: Health-Illness V (2nd 8 weeks)</td>
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<td><strong>Total</strong></td>
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NURSING

JUNIOR YEAR

<table>
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<th>COURSES</th>
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<tbody>
<tr>
<td>392 Professional Nursing (12 credits). Theoretical and historical perspectives in nursing as well as roles and characteristics of the professional nurse today. Conceptual foundations of professional nursing exploration. Emphasis on development of individual professional goals. Prerequisite: Admission to baccalaureate nursing program. Fall semester.</td>
</tr>
<tr>
<td>308 Professional Interactions (2 credits). Theoretical base for communication in professional nursing practice, emphasizing assertiveness, therapeutic communication, group process and leadership in groups. Prerequisite or concurrent enrollment in N 392. To be taken concurrently with N 392 and N 396-391. Fall semester.</td>
</tr>
<tr>
<td>309 Practicum: Professional Interactions (1 credit). To be taken concurrently with N 398.</td>
</tr>
<tr>
<td>328 Family and Group Interactions (2 credits). Theoretical base for application of nursing process to promote optimal health for individuals and families in community settings. Focus on use of communication base in situational and maturational family crisis. Prerequisites: N 302, N 308-309, N 360-361. Prerequisite or concurrent enrollment in N 390-391. To be taken concurrently with N 329 and N 362-363. Spring semester.</td>
</tr>
<tr>
<td>329 Practicum: Family and Group Interactions (2 credits). To be taken concurrently with N 328.</td>
</tr>
<tr>
<td>360 Health-Illness I (2 credits). Theoretical base for nursing practice drawn from developmental, systems, stress-adaptation and high-level wellness theories. Overall perspective on biopsychosocial adaptation by individuals throughout major phases of the life cycle, with focus on assessment of the individual's health status and potential. Prerequisite or concurrent enrollment in H 300 and N 302. To be taken concurrently with N 361 and N 396-390. Fall semester.</td>
</tr>
<tr>
<td>361 Practicum: Health-Illness I (3 credits). To be taken concurrently with N 390.</td>
</tr>
<tr>
<td>363 Practicum: Health-Illness II (2 credits). To be taken concurrently with N 362.</td>
</tr>
<tr>
<td>390 Nursing Research (2 credits). Introduction to research concepts, research process and selected approaches to health care research. Practice in defining researchable problems, processing qualitative data, and evaluating research reports for application of findings to nursing practice. Prerequisite: N 392. To be taken concurrently with N 391. Spring semester.</td>
</tr>
<tr>
<td>391 Practicum: Nursing Research (1 credit). To be taken concurrently with N 390.</td>
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SENIOR YEAR

<table>
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<tr>
<th>COURSES</th>
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<tbody>
<tr>
<td>402 Professional Nursing II (2 credits). Leadership role of professional nurse in improvement of health care services and advancement of the nursing profession. Emphasis on emerging nursing roles and issues and trends which affect nursing. Examination of individual goals relevant to professional commitments. Prerequisites: N 408-409, N 410-411 and N 430-431. To be taken concurrently with N 432-433 and N 435. Spring semester.</td>
</tr>
<tr>
<td>408 Families and Groups Under Stress (2 credits). Theoretical base for application of nursing process to facilitate adaptation of individuals, families, and groups to complex mental health and psychiatric problems. Emphasis on therapeutic communication. Prerequisites: Completion of all 300-level nursing courses and H 300, M 306, and So 340. To be taken concurrently with N 409 and N 410-411. Fall semester.</td>
</tr>
</tbody>
</table>
409 Practicum: Families and Groups Under Stress (1 credit). To be taken concurrently with N 409.

410 Nursing in the Community (2 credits). Theoretical and historical perspectives on community problems in relation to professional nurse roles. Application of nursing process in assessing communities to identify needs as a basis for planned improved health care services. To be taken concurrently with N 411 and N 408-409. Fall semester.

411 Practicum: Nursing in the Community (2 credits). To be taken concurrently with N 410.

433 Health-Illness III (2 credits). Application of theoretical base for nursing practice to individuals of all ages and families in order to facilitate their adaptation to life-threatening illnesses/trauma. Continuing use of nursing process with emphasis on implementation and evaluation of care. Prerequisite or concurrent enrollment in N 408-409 and N 410-411. To be taken concurrently with N 431. Fall semester.

431 Practicum: Health-Illness III (3 credits). To be taken concurrently with N 430.

432 Health-Illness IV (1 credit). Application of theoretical base for nursing practice to care of individuals of all ages and families in order to facilitate their adaptation to chronic illness. Continuing use of nursing process with emphasis on implementation and evaluation of care. Prerequisites: N 408-409, N 410-411, and N 430-431. To be taken concurrently with N 402, N 433, and N 435. Spring semester (first 8 weeks).

433 Practicum: Health-Illness IV (1 credit). To be taken concurrently with N 432.

435 Practicum: Health-Illness V (3 credits). Student will contract for a specific leadership and clinical experience which builds upon knowledge and skills gained from previous nursing courses. Prerequisites: N 408-409, N 410-411, and N 430-431. To be taken concurrently with N 402, and N 432-433. Spring semester (second 8 weeks).

DEPARTMENT OF PREPROFESSIONAL STUDIES

INTRODUCTION

The Preprofessional Studies Department has responsibility to those students who intend to apply to a professional school in one of the health sciences, particularly those who have declared a major in: pre-medicine, pre-dentistry, pre-dental hygiene, pre-professional therapy, pre-optometry, pre-pharmacy, pre-veterinary medicine, pre-chiropractic, etc.

In view of the specialized nature of each program, each student should seek regular counsel from the advisor who has been designated for his or her major field of interest. A handbook for preprofessional students is available from the advisors and should also be referred to.

Students who will be applying to professional schools should be aware of deadlines established by the professional schools and testing organizations for submitting application materials and taking admissions examinations. Medical College Admission Testing, Dental Admission Testing, Dentistry Hygiene Aptitude Testing, Pharmacy College Admission Testing, and the Graduate Record Examination for veterinary medicine schools must be taken at specific times. These examinations may or may not be administered on BSU campus. Deadlines change from year to year. The student is responsible for ascertaining from the appropriate advisor the specific deadlines and fees which pertain to the application process and admission testing for the particular program.

CLINICAL

In addition to their academic course work the Preprofessional Studies students have opportunities and are encouraged to work and observe at first hand the practice and delivery of health care in a clinical environment.

PREPROFESSIONAL INTERNSHIP

Selected students in their third or fourth year may register for an internship of two credits per semester. These students will work and study in a clinical environment with a practicing physician, dentist, veterinarian, etc. Prerequisites: Upper division standing; cumulative G.P.A. above 3.25; recommendation of faculty advisor; consent of the dean. See course H-493 described in the Community and Environmental Health section.

HOSPITAL LEARNING—VOLUNTEERS

Students may be identified as special volunteers. The hospital will endeavor to rotate each volunteer through various departments of the hospital in which they will perform their volunteer service. These students must be majors in the School of Health Sciences and be certified to the hospital by the Dean.

PRE-MEDICAL AND PRE-DENTAL STUDIES

Pre-medical Advisors: Dr. H. K. Fritchman
Dr. Richard C. Banks
Pre-dental Advisor: Dr. Charles W. Baker

REQUIREMENTS

I. Biology Option

1. General University and Baccalaureate

   Degree Requirements to include
   English Composition ........................................ 30
   General Psychology ......................................... 6
   General Biology ............................................. 3

2. Biology Requirements

   35-37
   Zoology ......................................................... 5
   Botany ......................................................... 4
   Cell Biology .................................................... 3
   General Microbiology ........................................ 5
   General Bacteriology ........................................ 3
   Comparative Anatomy ........................................ 4

3. Chemistry Requirements

   20-23
   College Chemistry ........................................... 9
   Organic Chemistry ........................................... 8-10
   Biochemistry, with or without lab .......................... 3-4

4. Physics and Mathematics

   18
   General Physics .............................................. 8
   Math 111-204 ................................................... 10
   Total for Categories 1-4 above .............................. 103-108
   **Electives ..................................................... 21-25

II. Chemistry Option

1. General University and Baccalaureate

   Degree Requirements to include
   English Composition ........................................... 30
   General Psychology ........................................... 6
   General Biology ............................................... 3

2. Biology Requirements

   22-24
   Zoology .......................................................... 5
   Botany ............................................................ 4
   Cell Biology ...................................................... 3
   Comparative Anatomy ........................................... 4
   Genetics, with or without lab ................................ 3-4
   Vertebrate Embryology ........................................ 4

3. Chemistry Requirements

   39-40
   College Chemistry ............................................ 9
   Organic Chemistry ............................................. 10
   Bio- or Analytical Chemistry, with lab .................... 4-5
   Physical Chemistry ............................................ 8
   Instrumental Analysis ......................................... 4
   Chemistry Independent Studies ............................... 2
   Chemistry Seminar ............................................. 2

4. Physics and Mathematics

   36
   Math 111-204 .................................................... 10
   Math 205-206 ..................................................... 8
   General Physics ................................................. 8
   Total for Categories 1-4 above .............................. 117-120
   **Electives ..................................................... 9-11

**Pre-professional: 8- pre-medical: 10
**Additional upper division credits so that upper division credits total at least 40.

BIOLOGY OPTION

(Suggested Programs)

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM.</th>
<th>2nd SEM.</th>
</tr>
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<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry</td>
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<tr>
<td>Math 111-204</td>
<td>5</td>
<td>5</td>
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<tr>
<td>Area II Courses</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
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SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course</th>
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<th>2nd SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Zoology</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

123
SCHOOL OF HEALTH SCIENCES

Organic Chemistry ........................................... 5  3-5
General Psychology ........................................... 3 —
Area I Courses and Electives ................................ 3  6-9

1ST  SEM.  2ND  SEM.
JUNIOR YEAR:.................................................. 15  16-19
Cell Biology ................................................. 3 —
Comparative Anatomy ....................................... 4 —
Genetics, with or without lab .............................. —  3-4
Vertebrate Embryology ..................................... —  4
Biochemistry, with or without lab ......................... 3  4
General Physics .............................................. 4  4
Area III Courses ............................................ —  5

1ST  SEM.  2ND  SEM.
SENIOR YEAR: .................................................. 14  17-18
General Bacteriology ....................................... 5 —
Vertebrate Histology ........................................ 4 —
Physiology Z 401 or Z 409 ................................. —  4
Area II Electives ............................................ 3 —
Area I Course ................................................ 3 —
Electives ...................................................... 3-5  9

1ST  SEM.  2ND  SEM.
CHEMISTRY OPTION
FRESHMAN YEAR: .............................................. 15-17  16
English Composition ....................................... 3  3
College Chemistry ......................................... 4  5
Mathematics 111-204 ........................................ 5  5
Area II Courses .............................................. 3  3

1ST  SEM.  2ND  SEM.
SOPHOMORE YEAR: .......................................... 15  18
Botany ......................................................... 4 —
Zoology ......................................................... 4 —
Organic Chemistry ......................................... 5  5
Math 205-206 ................................................ 4  4
Area I Courses .............................................. 3  3

1ST  SEM.  2ND  SEM.
JUNIOR YEAR: .................................................. 16  17
Cell Biology .................................................. 3 —
Comparative Anatomy ...................................... —  4
General Physics ............................................. 4  4
Genetics, with or without lab .............................. —  3-4
Bio- or Analytical Chemistry, with lab .................. 3-5  1
Area I Courses .............................................. 3  3

1ST  SEM.  2ND  SEM.
SENIOR YEAR: .................................................. 13-15  15-16
Physical Chemistry ........................................ 4  4
Instrumental Analysis ..................................... 4 —
Chemistry Independent Study ............................. 1  1
General Psychology ........................................ 3 —
Chemistry Seminar ......................................... 1 —
Area II Courses .............................................. —  3
Electives ...................................................... 3  4-5

1ST  SEM.  2ND  SEM.
PRE-DENTAL HYGIENE
Advisor: Duane Akroyd
This curriculum is designed for students interested in a professional career in dental hygiene. The curriculum leads to a Bachelor of Science degree in Dental Hygiene. The suggested program outlined here is based upon an articulation agreement between Boise State University and Idaho State University whereby students may take the first two years of the curriculum at BSU and upon satisfactory completion of that academic work transfer to ISU to complete the professional courses. Students who plan to enroll are advised to see the Pre-Dental Hygiene advisor and pattern their curriculum at BSU after that of the specific school to which they expect to transfer.

1ST  SEM.  2ND  SEM.
FRESHMAN YEAR: ..............................................
English ......................................................... 3  3
Anatomy and Physiology .................................. 4  4
Chemistry 107, 109 ......................................... 3  3
Chemistry 108, 110 .......................................... 1  2
Math ........................................................... 5  3
Introduction to Allied Health .............................. 1  —

1ST  SEM.  2ND  SEM.
SOPHOMORE YEAR: .......................................... 17  15
Speech 111 ................................................... 3 —
Zoology 130 .................................................... 4 —
Sociology ....................................................... 3 —
Psychology ...................................................... 3 —
Microbiology 205 ............................................. 4 —
Area I ............................................................ 9 —
Nutrition ....................................................... 3 —

1ST  SEM.  2ND  SEM.
PRE-OPTOMETRIC
Advisor: Conrad Colby
Science courses should be pre-professional courses designed for science majors which offer laboratory experience. Brief survey courses in the sciences will not prepare a student for the Schools' requirements. The student should write to the optometry school of his or her choice for a list of specific courses.

Additional courses that may be needed for the preoptometric program are:
Psychology
Social Science
Philosophy
Literature
Organic Chemistry
Microbiology
Bacteriology
Comparative Anatomy
Physiology
Statistics
Algebra and Trigonometry
Analytic Geometry
Differential Calculus
Integral Calculus

PRE-PHARMACY
Advisor: Dr. Robert A. Hibbs
BSU students who wish to receive a bachelor of science in Pharmacy usually plan to take their preprofessional courses at BSU and then transfer to the College of Pharmacy at Idaho State University, Pocatello. The pharmacy program consists of two years of preparatory studies followed by three years in the college of pharmacy. The curriculum outlined below is based upon the re-
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.

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 131-133</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Lab 132-134</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>English 101-102</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Math 111</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>Math 204</td>
<td>5</td>
<td>—</td>
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<tr>
<td>Electives</td>
<td>3-4</td>
<td>3-4</td>
</tr>
<tr>
<td>Total</td>
<td>15-16</td>
<td>16-17</td>
</tr>
</tbody>
</table>

**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoology 130</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>Cell Biology 225</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry 317-318</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry Lab 319-320</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Microbiology 205</td>
<td>—</td>
<td>4</td>
</tr>
<tr>
<td>Physics 101-102</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>3-4</td>
<td>—</td>
</tr>
<tr>
<td>Total</td>
<td>16-17</td>
<td>16</td>
</tr>
</tbody>
</table>

*When possible it is desirable to take M 204 the first semester and add General Botany 130 and 130L the second semester of the Freshman year.

**PRE-PHYSICAL THERAPY**

*Advisor: Duane Akroyd*  
(Suggested Curriculum)

This curriculum is designed for students interested in a professional career in physical therapy.

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Math 111</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>Psychology</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Lecture (131)</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Chemistry Lab (132)</td>
<td>1</td>
<td>—</td>
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<tr>
<td>Area I or II Elective</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Lecture (133)</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Lab (134)</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>18</td>
</tr>
</tbody>
</table>

Before the freshman year is finished, the student should see the Physical Therapy advisor to pattern the sophomore year according to the requirements of the school he/she is planning to attend.

**PRE-VETERINARY MEDICINE**

*Advisor: Dr. Russell Centanni*  
(A shared curriculum agreement exists between the Washington State University School of Veterinary Medicine and the State of Idaho under which a number of Idaho residents each year are guaranteed admission to the WSU School of Veterinary Medicine. For those Idaho residents planning to pursue a pre-veterinary medicine curriculum, it is important that the entrance requirements for Washington State University be satisfied during undergraduate work. The student majoring in pre-veterinary medicine should seek regular counseling from the pre-veterinary academic advisor.

In addition to the typical curriculum, as outlined below, the student must maintain a minimum grade point average of 3.00; submit scores from the general aptitude section of the Graduate Record Examination by October of the year preceding the year in which the student hopes to enter the WSU School of Veterinary Medicine; and must record a minimum of 300 hours of veterinary medical exposure while employed by or doing volunteer work for a graduate veterinarian.

**REQUIREMENTS**

1. General College and Baccalaureate Degree Requirements 30

**SUGGESTED PROGRAM**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Chemistry</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics 111-204</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Area III Electives</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>16</td>
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</tbody>
</table>

**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Botany/Zoology</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Applied Animal Nutrition*</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Area III Electives</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>16</td>
</tr>
</tbody>
</table>

**JUNIOR YEAR:**

<table>
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<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Biology</td>
<td>3</td>
<td>3-4</td>
</tr>
<tr>
<td>General Psychology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Area III Electives</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>14-15</td>
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</table>

**SENIOR YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Bacteriology</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
<td>18</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>18</td>
</tr>
</tbody>
</table>

*To be taken either as correspondence course through Washington State University or as special topic at BSU.

**COURSES**

**H HEALTH SCIENCES**

For H Health Sciences courses see Community and Environmental Health Section.
GRADUATE SCHOOL

Dean: Kenneth M. Hollenbaugh, Ph.D.

Graduate Program Coordinators
Business:
Associate Dean, School of Business: J. G. Doss, Ph.D.

Education:
Associate Dean, School of Education: Clyde Martin, Ed.D.

Public Administration:
Chairman, Political Science Department: Wil Overgaard, Ph.D.

PROGRAMS
Boise State University offers the graduate degrees of Master of Business Administration, Master of Science in Accounting, Master of Arts in Elementary Education, Master of Arts and Master of Science in Secondary Education, and Master of Public Administration.

AREAS OF EMPHASIS
The Master of Arts in Elementary Education includes five areas of emphasis: (1) Curriculum and Instruction; (2) Content Enrichment; (3) Reading; (4) Special Education; (5) Early Childhood.
- The Master of Arts/Science in Secondary Education includes an emphasis in each of the following areas: (1) Art; (2) Business Education; (3) English; (4) Earth Science; (5) History; (6) Mathematics; and (7) Music.
- The Master of Public Administration degree program has 3 areas of emphasis: (1) General, (2) Human Services, and (3) Criminal Justice.

GRADUATE FACULTY
The Graduate Faculty is comprised of those full-time faculty who have been approved by the Graduate Council to teach graduate level courses, participate in the conduct of the graduate programs, and supervise graduate students. Each member of the Graduate Faculty is reviewed on a three year cycle to document his/her participation in graduate education activities.

Part-time faculty who are approved by the Graduate Council to teach a graduate course are appointed as Adjunct Graduate Faculty. Such appointments are for specific assignments and are renewable but not perpetual.

GENERAL INFORMATION FOR GRADUATE STUDENTS
Application for admission to the graduate programs or general graduate study as an unclassified graduate may be made at any time. It is recommended, however, that at least two months before the final enrollment, the Graduate Admissions Office will have received the application for admission and transcripts of all undergraduate and graduate work. This will provide sufficient time to process the application prior to the semester the applicant wishes to commence his graduate study. Petitions for exceptions will be directed to the Graduate Dean. The transcripts are to be sent directly to the Boise State University Graduate Admissions Office by the Registrar of the college or university which the applicant previously attended. For that purpose the applicant should
GRADUATE SCHOOL

communicate with the Registrars concerned and then allow them sufficient time to process and mail the transcripts.

All documents received by the University in conjunction with such applications for admission become the property of Boise State University. Under no circumstances will they be duplicated except for university advisement, nor the original returned to the applicant or forwarded to any agency or other college or university.

ADMISSION TO THE GRADUATE SCHOOL

A student may be admitted to the Graduate School at Boise State University when the following admissions criteria have been met:

1. The applicant has earned a Bachelor's degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average which meets the minimal requirements of the School in which he wishes to enroll.
3. Completion of the predictive examination required by the department as listed under department criteria.
4. Recommendation for admission by the department in which the student expects to work and approval by the Graduate School.

UNCLASSIFIED STATUS CLASSIFICATION

Persons who feel qualified to profit from graduate courses may enroll in these under "Unclassified Status" provided the following conditions are met:

1. The student has successfully completed all courses that are prerequisite to the graduate course for which he is enrolling.
2. There is space available for the class.
3. The student has obtained permission to enroll in the course from the instructor or the graduate program director.

A student given "unclassified status" is not admitted to the Graduate School and academic credits earned may not necessarily be accepted towards a graduate degree if the student applies for and is admitted to the Graduate School at a later time.

No more than nine credit hours taken in unclassified status may be included in any graduate degree program at BSU without waiver by the Graduate Dean upon recommendation by the school or department in which the student will work.

GRADUATE STATUS CLASSIFICATIONS FOR MATRICULATED STUDENTS

Applicants may be admitted to the Graduate School under two classifications.

Regular Status: The student has been admitted with full graduate status into a graduate degree program and has received official institutional notification to this effect.

Provisional Status: An applicant may be admitted to the Graduate School with provisional status if the department or academic unit in which he plans to study require additional evidence of his qualification for admission with regular status. No student may maintain provisional status indefinitely. The department or academic unit concerned will normally make a final determination on a student with provisional status by the time he has completed twelve (12) credits of approved study.

GRADUATE COURSES FOR UNDERGRADUATE CREDIT

Boise State University "seniors" may take up to two 500 level courses for upper division credit applied to their bachelors degree program. The necessary permit forms are available through the Graduate Admissions Office and the office of each dean. Determination of what constitutes a "senior" for the purpose of this policy is left to the Graduate Dean.

GRADUATE CREDIT FOR SENIORS

A Boise State University senior with the approval of the department in which he plans to work and the Graduate Dean may enroll for graduate credit during his senior year insofar as these credits will not prejudice his graduation during that academic year. The necessary Senior Permit Forms are available at the Graduate Admissions Office, and the office of each dean. Credits earned in this manner are "reserved" to count toward a graduate degree at BSU.

SCHOLARSHIP REQUIREMENTS

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate School upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate School, a student must achieve a grade point average of "B" (3.00) or better in all work, exclusive of deficiencies, specifically included in his program of study. No grade below "B" may be used for any 300 or 400 level courses in a graduate program. Grades below "C" cannot be used to meet the requirements of a graduate degree. Grades on transfer work will not be included in computing grade point average.

REPEAT, RETAKE POLICY

A student who earns a grade of "D" in a graded 500 series course at Boise State University may include no more than one repeated course toward a master's degree program. A student who earns a grade of "F" may not count a retaken course toward any master's degree program at Boise State University. Therefore, a student who gets an "F" in a required course is automatically excluded from further master's degree work. With a "D" in one of these courses there is a single chance of redemption.

CREDIT REQUIREMENTS

A minimum of thirty (30) semester credits of course work approved by the graduate student's supervisory committee is required. More than thirty (30) semester credits may be required in certain programs.

SUPERVISORY COMMITTEE ASSIGNMENT

Upon admission of the applicant with regular graduate status, a supervisory committee consisting of a chairperson and other faculty members, will be appointed by the department fielding the program. This supervisory committee or the advisor, as determined within each degree program of study, will establish with the student a program of study, direct any thesis or graduate projects, and administer his final examination(s).

Students admitted with provisional status will be assigned a temporary advisory who will be responsible for building a tentative program of studies. This advisor will guide the student with respect to meeting the stipulations of the provisional admission. Once the provisional stipulations have been satisfactorily met by the student, the department concerned will recommend to the Dean of the Graduate School that the student be admitted with regular graduate status.

RESIDENCE REQUIREMENTS

A minimum of twenty-one (21) semester credits of approved graduate work taken on the university campus is required. This requirement does not apply to students enrolled in any inter-institutional cooperative graduate program offered jointly by BSU and the other Idaho universities.

TRANSFER OF CREDITS

A maximum of nine (9) semester graduate credits taken at other institutions may be transferred for credit toward a Master's Degree provided the courses are an acceptable part of the program of study planned by the student's supervisory committee. Such courses must have been taken in an accredited college or university. Only courses with "A" or "B" grade may be transferred to Boise State University for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exceptions may be made by departments after a detailed examination of the specific courses taken. No correspondence courses will be accepted for graduate credit. All appropriate graduate work taken through inter-institutional cooperative graduate programs, if approved by the schools fielding the program, can be accepted as residence credit.
TIME LIMITATIONS

All work offered toward a master’s degree from Boise State University must be completed within a period of seven (7) calendar years. The seven (7) year time interval is to commence with the beginning of the oldest course (or other academic experience) for which credit is offered in a given master’s degree program, and the interval must include the date of graduation when the master’s degree from Boise State is given.

CHALLENGE POLICY

The provisions of the challenge policy stated in the catalog section, Admission Requirements to the College under subsection Challenging Courses, Granting Credit by Examination (see Page 20) apply to graduate courses. In particular, the decision to allow or not to allow challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the school officer in charge of the graduate program to which the course applies.

FOREIGN LANGUAGE REQUIREMENTS

Language requirements are determined by the department concerned. If a foreign language is required, the student must demonstrate that he possesses a reading knowledge of a language specified by the department.

THESIS REQUIREMENTS

The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. Admission Requirements to the College under subsection Academic Requirements, Application for Admission to Candidacy must be recommended in writing by the student’s committee before the end of the first academic period (summer, fall or spring) after which the credit has been earned, whichever is the earlier date.

CANDIDACY

A student should apply for admission to candidacy and graduation as soon as he has completed twelve (12) hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, has removed all listed deficiencies, and has met any specific foreign language requirements.

Candidacy involves specifying — on the appropriate form — the list of courses and projects which comprise the student’s program. Changes in the planned program after admission to candidacy must be recommended in writing by the student’s committee or advisor and be approved by the Dean of the Graduate School.

PROGRAM DEVELOPMENT FORM

Graduate students in Regular or Provisional Status will complete a Program Development Form with their advisor or committee before the end of the first academic period (summer, fall or spring) in which they take graduate work at Boise State University after having been notified of admission in Regular or Provisional Status. This rule does not apply to students admitted in Unclassified Status, (these are admitted only to Boise State University and not to the Graduate School) because these students are not candidates for a graduate degree.

The Program Development Form will be available from the schools offering graduate degree programs. The advisor or committee will file the Program Development Form with the Graduate School upon completion. Each change in program must be completed by filing a new Program Development Form showing the changes from the previous form.

Changes in the Program Development Form, prior to admission to candidacy, are made by the student’s committee or advisor, as determined within each degree program, and approved by the Dean of the appropriate school.

Any courses being offered as transfer credit, as credit reserved, or as residence credit through any inter-institutional cooperative program must be claimed at the time the Program Development Form is originally filed, or before the end of the first academic period (summer, fall or spring) after which the credit has been earned, whichever is the earlier date.

It is the responsibility of the graduate student to keep all program changes up to date for a graduate degree.

FINAL EXAMINATION REQUIREMENTS

The requirement of a final examination, written, oral, or both, in any non-thesis non-project program is optional with the department or interdisciplinary unit which fields the student’s program. When the examination is required, it is administered by the unit concerned. The dates for these examinations are set by the Graduate School once each semester and summer session. They are listed in the calendar of the BSU Bulletin.

Failure in the examination will be considered terminal unless the supervisory committee recommends, and the Dean of the Graduate School approves, a re-examination. Only one re-examination is permitted. At least three months must elapse before a re-examination is scheduled.

The requirement of a final examination in defense of any thesis or project is optional with the department or interdisciplinary unit concerned. When required, a final examination in defense of the thesis or project must be conducted at least three weeks before commencement. On a final examination in defense of a thesis or project, an additional member, who may be from outside the department or school, may be appointed by the Graduate Dean at his discretion. Application for the final comprehensive examination(s) is made through the office of the dean of the school fielding the program.

APPLICATION FOR PREDICTIVE EXAMINATIONS

As previously indicated, predictive examination scores may be required by certain departments. With respect to those departments which stipulate as part of the admissions criteria performance scores from predictive examinations, it is necessary that application be made without delay to take the examination. Education and public administration students are not required to take a predictive examination.

Students wishing to pursue graduate study in Business Administration should contact the Office of the Dean, School of Business, Boise State University, to secure the forms necessary to make application for taking the predictive examination called the GMAT. Every effort should be made to take the GMAT as soon as possible because students will not be given program status before the GMAT results are reported. Courses taken before the student is admitted (i.e. "Unclassified status" courses) will not necessarily be allowed toward the M.B.A., even if the student is admitted subsequently.

Credit Limitation in Courses Graded Pass or Fail and Directed Research

599—CONFERENCE AND WORKSHOP

A maximum of three (3) credits earned with a grade of P will be allowed toward the credit requirements for a master’s degree at Boise State University.

596—DIRECTED RESEARCH

Master’s programs at Boise State University may include directed research credits, at the discretion of the graduate student’s supervising committee or professor, through a limit of 9 credit hours, with no more than 6 credits in any one semester. The School of Business has a limitation of 3 credits of Internship and/or Directed Research for MBA students.

ELEMENTARY EDUCATION

Any college or department within Boise State University offering any educational program for students in Elementary Education. The distinctive feature is that an approved program may be designed for specialization in a given departmental area such as art, humanities, mathematics, music, or earth science, to name just a few possibilities. Approved programs will include the basic elementary core of nine (9) semester hours and will allow no more than fifteen (15) of the remaining hours to be in any one departmental area. Various departments in The School of Arts and Sciences offer graduate courses designed especially for students in the Elementary Education programs.

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GRADUATE SCHOOL
GRADUATE PROGRAMS

School of Arts and Sciences
MASTER OF ARTS, SECONDARY EDUCATION* Art Emphasis

ADMISSIONS AND PROGRAM

A. The Master's Degree in Secondary Education, Art Education Emphasis, will be designed to meet the needs of the practicing junior high or high school art specialist. While teaching experience is not necessary in order to begin work on this degree, any applicant for the degree must ordinarily be currently certified as a secondary school art specialist, agree to begin the process toward attaining this certification while working on the degree, or obtain a waiver through the Department of Education.

B. The following will be submitted to the Art Department Admissions Committee:

1. The names and addresses of three art educators or professional persons who are acquainted with the student's academic qualifications to pursue graduate study.
2. A minimum of twenty (20) slides or a portfolio or recent art work.
3. A statement of the student's professional objectives and philosophy of art education and how these will be furthered by graduate study.

C. Program areas of study are as follows:

1. Required Courses
   - AR-501 Art Appreciation in the Educational Program: 3 credits
   - AR-551 Special Methods: Curriculum Development in Art Education: 3 credits
   - AR-591 Project: 6 credits
   - AR-593 Thesis (or additional hours): 6 credits
   - TE-560 Secondary Education Core courses: 6 credits

2. Studio or Content: Six (6) credits in the studio. Studio concentration and emphasis will be determined by the student and his committee.

3. Electives: The remainder of the student's work may be elected in relation to his background, interests, and professional objectives in consultation with his major advisor and committee.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

GRADUATE ART COURSES

501 Art Appreciation in the Educational Program: 3 credits. A historical and contemporary survey of modern art movements since 1900. Emphasis will be placed on understanding the motivations behind the current trends and interpretations of the ideas and symbols. Also emphasized will be communication of this understanding to the various age groups represented on the secondary school level. Prerequisite: Graduate status or permission of instructor. Fall semester.

522 Teaching Through Experimental Art Media (3 credits) previously approved for Elementary Master's Degree. Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing. Summer only by request.

551 Special Methods: Curriculum Development in Art Education (3 credits). Designed for the secondary school art teacher, this course will be geared to creative curriculum planning. It will be held in a workshop seminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. Prerequisite: Graduate status and consent of the instructor. Fall semester.

580-589 Selected Topics (3 credits each topic). An opportunity for the student to work independently with a particular teacher in a specific area or media. A total of nine credits allowable which can be divided into several areas or concentrated, distribution determined by the graduate student and committee.

580 Selected Topics — Drawing
581 Selected Topics — Painting
582 Selected Topics — Crafts
583 Selected Topics — Sculpture
584 Selected Topics — Photography
585 Selected Topics — Ceramics
586 Selected Topics — Printmaking
587 Selected Topics — Designing
588 Selected Topics — Illustration
589 Selected Topics — Art History

591 Project (6 credits). See below.

593 Thesis (6 credits). The thesis, or culminating project, may be defined, but is not limited to a combination of any two of the following projects:
   A. A scholarly paper embodying results of original research which are used to substantiate a specific view.
   B. Three written reports directed toward the student's particular area of study.
   C. A curricular proposal in written form which could be considered for implementation in the schools.
D. A one-person art show with a full faculty review.
E. A submitted portfolio of work with a full faculty review.
Prerequisite: Graduate status.

598 Seminar in Art (3 credits, previously approved for Elementary Master's Degree). Upon selection of a topic approved by the student and the instructor, a study of the topic by the student will result in the writing and oral presentation of an annotated bibliography, and presentation of an oral report of the topic, utilizing visual material in the student's presentation. The student will then present a research paper concerning his topic. Prerequisite: Graduate standing. Spring semester.

CM — CHEMISTRY COURSES

401-402G Advanced Inorganic Chemistry (2 credits). The first semester will cover atomic and molecular structure, periodic properties, acid-base properties, and the chemistry of the elements. The second semester will include chemical bonding, complex ions, coordination compounds, nuclear reactions, radiation, and nuclear reactions. Two lectures per week. Prerequisite: two years of college chemistry. Each semester.

411G Instrumental Analysis (4 credits). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Two lectures and two three-hour lab sessions per week. Prerequisite: Quantitative Analysis C-211 and C-320. Organic Chemistry. C-350 may be taken concurrently with C-411. Spring semester.

431G Introduction to Biochemistry (3 credits). A study of the chemistry of biologically important compounds, and an introduction to metabolism. Three lectures per week. Prerequisite: C-208 or C-318. Fall semester.

432G Biochemistry Laboratory (1 credit). Identification, isolation and reaction of biologically important compounds. One three-hour laboratory per week. Prerequisite: C-431 or consent of instructor. Spring semester.

435G Biochemistry (3 credits). The function of biological compounds, including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material studies. Prerequisite: C-431. Spring semester.

NOTE: The following courses may be offered on special request.

501 History of Chemistry (3 credits). The study of the development of chemistry from its early stages through alchemy. Emphasis will be placed on the development of chemical concepts, the important contributors to these concepts and the interrelationships between chemistry and the general course of history. Prerequisite: Two years of college chemistry and one year of history or instructor's permission.

503 Spectroscopy (3 credits). This course is designed to teach the concepts and practical usage of ultraviolet spectroscopy, infrared spectroscopy, and nuclear magnetic resonance spectroscopy. Emphasis will be on the use of instruments and the interpretation of spectra. Prior knowledge of spectroscopy will not be necessary for this course. Prerequisite: Eight hours of general chemistry required and six hours organic chemistry or instructor's permission. Fall semester.

509 Chemistry of Life Processes (3 credits). The course introduces the student to basic concepts of biochemistry associated with a coverage of current topics ranging from allied health field areas to environmental chemistry. Classroom demonstration material will be correlated with lecture material. Prerequisite: One year of general chemistry and organic chemistry. Fall semester.

511 Advanced Analytical Chemistry (3 credits). Stoichiometry involved in separations and instrumental methods of analysis. The course will be flexible in nature to adapt to the varied background of the expected students. Prerequisite: Quantitative Analytical Chemistry or consent of instructor. One lecture and two labs per week. Fall semester.

515 Nuclear and Radiochemistry (3 credits). Atomic and nuclear structure, radioactivity, nuclear reactions, radioactive decay laws, and interaction of radiation with matter. Detection of radiation applications. Prerequisite: One year of general chemistry. Spring semester.

* A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

GRADUATE PROGRAM

MASTER OF ARTS, SECONDARY EDUCATION

English Emphasis

Applicants who have at least twelve semester credit hours of upper division work in English with a grade point of 3.0 in those courses and who meet general graduate school requirements will be accepted as regular graduate students. Students who do not have the required upper division English work will be admitted on a provisional basis and will be advised as to the steps necessary to take to qualify for regular status.

PROGRAM REQUIREMENTS

The course of study for the Master of Secondary Education with an English emphasis will consist of a minimum of 33 hours to be chosen by the student and his advisory committee from one of two alternatives.

1. An introductory seminar, twelve hours of graduate English courses, a thesis or project six hours from the Education core, and nine hours of general graduate electives. At least twelve hours of English courses must be at the 500 level.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-500</td>
<td>3</td>
</tr>
<tr>
<td>E-593 or E-595*</td>
<td>3-6</td>
</tr>
<tr>
<td>Graduate English electives (except E-501)</td>
<td>12</td>
</tr>
</tbody>
</table>

2. An introductory seminar, fifteen hours of graduate English courses, six hours from the Education core, nine hours of general graduate electives (may include the oral examination on graduate English coursework), and at least twelve hours of the English courses must be at the 500 level.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-500</td>
<td>3</td>
</tr>
<tr>
<td>Graduate English electives (except E-501)</td>
<td>3</td>
</tr>
<tr>
<td>Education Core (TE-560)</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>33</td>
</tr>
</tbody>
</table>

E — ENGLISH COURSES

GRADUATE

The introductory seminar (E-500) is prerequisite to other 500-level seminars. However, with the consent of the candidate's committee, the student may concurrently take another seminar. With the exception of E-501 and E-597, all seminars will be in specified areas of American and British literature and linguistics, though they may cover influences from other literatures. A maximum of six hours in 400G English courses may be substituted for seminar work in the English core. E-501 may be taken as a general elective, but may not be counted toward a student's English core.

Since the content of courses E-510, E-520, E-530, E-540, E-550, E-560, E-570, and E-497, may vary from term to term, a student may repeat any of these courses for credit but may not count more than six hours toward his English core.

487G Twentieth-Century Anglo-American Poetry (3 credits). A study of representative works by important Twentieth-Century British and American Poets and of philosophical and aesthetic concerns these works reveal. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

488G Methods and Theories of Literary Criticism (3 credits). Prerequisite: E-393 and Junior standing or consent of Department Chairman. A detailed study and application of major critical methods and theories. Spring semester.

500 Introductory Seminar (3 credits). An examination of a well-defined theme or problem, or an investigation into a major author. Research and report on aspects of the controlling subject to be performed by students under careful supervision of the instructor. An introduction to bibliography and an orientation to bibliographic sources. Prerequisite: Admission to the Graduate Program or consent of the English Department Chairman.

501 The Teaching of Writing (3 credits). A study of theories and methods of teaching writing for experienced teachers. Special emphasis on new discoveries about the learning process in writing courses such as those of Moffett, Murray, Judy, Elbow, and Macrorie, and on the teacher's role in helping the individual student. Prerequisite: E-500 and teaching experience or consent of the English Department Chairman.

505 Linguistics (3 credits). A study of modern linguistic theories and their application to literary texts and to the teaching of English. An examination of the ways in which traditional, structural and transformational models deal with the complexities of language in the areas of syntax, morphology, and phonology, as well as the recent application of such theories to stylistics and poetics. Prerequisite: E-500 and a linguistics course equivalent to LI-305 or consent of English Department Chairman.

518 Major Author (3 credits). A consideration of minor and major artistic creations of an author with attention devoted to major influences on the writer and his influence on others. Aspects of investigation to include the life of the author and its relation to the work, the society and culture of the times, his place and stature in a genre in which he worked, his use or disregard of tradition, as well as an investigation of contemporary criticism and critical evaluation since his time. Prerequisite: E-500 or consent of English Department Chairman.

520 Genre (3 credits). A study of a well-defined literary category, such as novel, short story, epic, or tragedy. Examination of representative texts in order to discover the evolution of a specific literary genre while at the same time establishing its typical features. Prerequisite: E-500 or consent of English Department Chairman.

530 Period (3 credits). A study in major authors, genres, or topics set within a selected period of American or British literature. Prerequisite: E-500 or consent of English Department Chairman.

531 Literature and Culture (3 credits). A study of the reciprocal relationship between a selected body of literature and the social, economic, and political forces that characterize the cultures from which it arose. An examination of the ways in which literary form and content are influenced by culture as a whole. Prerequisite: E-500 or consent of English Department Chairman.

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The curriculum for the Master of Science in Secondary Education, Earth Science emphasis, is intended to provide education for earth science teachers with the course offerings stressing current data and developments in the discipline. The planning, preparation, and conducting of laboratory investigations and outdoor field trip activities are emphasized. Because of the great variety of background training of present secondary earth science teachers, the course offerings have been chosen and designed to allow maximum flexibility in planning individual programs. A preliminary examination, oral or written, will be administered to each candidate.

Required courses include TE-560, GO-588 and a final thesis, project, or additional courses as determined by the committee. All other courses to be taken in the degree program are planned by the student and his graduate committee. A final comprehensive oral and/or written examination over course work and the thesis or project is required.

GO = GEOLOGY COURSES

GRADUATE

511 Environmental Geology (3 credits). Environmental Geology deals with the geologic aspects of man's interaction with his environment. Topics considered include energy sources, conservation of metallic and non-metallic mineral resources, soil and water conservation, the water cycle, carbon and sulfur cycles, erosion, and pollution; the geological hazards. The resource needs of our expanding population are contrasted with the growing need for the protection of our frail environment. Prerequisite: Graduate status or consent of instructor.

212 Advanced Topics in Earth Science (3 credits). The study, review, and discussion of current literature, classroom and laboratory demonstrations, teaching aids and preparation of field trips itineraries relative to geology, astronomy, meteorology, and oceanography. The course is designed to provide knowledge and experience to teach earth science in the elementary and secondary school. Prerequisite: Graduate status or consent of instructor. Summer School.

213 Regional Geology of North America (3 credits). A systematic study of the geologic provinces of North America with special emphasis on their geological relationships and physical evolution. The uniqueness of each province is investigated in terms of its structural and geologic history and the mineral resources available for the use of society. Prerequisite: Graduate status or consent of the instructor. Spring semester.

541 Methods and Techniques of Gathering, Measuring and Testing Geologic Data (3 credits). A study of correct and approved ways to collect representative field samples of rocks, minerals, fossils, etc., to measure topographic changes, map subdivisional and structural features; to analyze and classify statistically sedimentary, petrologic, and mineralogic samples with laboratory techniques, and to log subsurface data from boreholes and by geophysical means. Prerequisite: Consent of the Department Chairman. Fall semester.

515 Current Topics in Geology (3 credits). An investigation of current research, debates and developments regarding practical, as well as theoretical issues in geological science. Prerequisite: Graduate status or consent of the instructor. Spring semester.

561 Earth Science Teaching Techniques (3 or 4 credits). This course is a study of the objectives, methods, and materials of instruction in the earth sciences. Emphasis will be placed on the preparation and presentation of lectures, laboratory exercises and field trips. Sources of earth science teaching materials available to the instructor will be compiled. Motivation of student interest by the incorporation of environmental problems and materials will be emphasized. This course provides the student with internship experience in the laboratory and lecture classroom. Prerequisite: Graduate status or consent of the instructor. Either semester.

516 Geochemistry (3 credits). The application of chemical principles to the understanding of earth materials and processes. The origin and distribution of elements in the earth and the solar system. Geochemical "cycles." Chemical principles of mineral formation and weathering. Geochemistry and the environments. Prerequisite: Graduate status, one year of college chemistry and one year of college geology, or consent of instructor. Spring semester.

591 Project (3-6 credits). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. Prerequisite: Graduate status and 15 credits in Earth Science, or consent of the instructor.

593 Thesis (3-6 credits). The scholarly pursuit of original work on a field or laboratory project or the formulation of new and logical interpretations of existing data collected through library research. A final report suitable for presentation at a meeting of earth science professionals is required. Prerequisite: Admission to candidacy.

596 Directed Research (1-4 credits). Field or library research project. Student may work on his own problem or select from a list provided by instructor. Weekly progress meetings, final report. Prerequisites: Physical Geology or Fundamentals of Geology and/or consent of instructor.

598 Graduate Seminar (1-3 credits). The preparation and presentation of oral and written reports on topics in earth science and/or science education. Presentation of oral reports may take the form of debate. Preparation of visual aids and geological illustrations will be emphasized. Prerequisite: Admission to candidacy or consent of the instructor.

GS = GENERAL SCIENCE

591 History of Science (3 credits). This is a survey of man's efforts to understand the natural world. "Ancient Science" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS Credit, but not for both.

MASTER OF ARTS, SECONDARY EDUCATION

History Emphasis

I. Admissions

See Graduate School Information, page 128.

II. Program Requirements

The Master of Secondary Education with a History emphasis will consist of a minimum of thirty-three hours planned by the student and his/her advisory committee from the following alternatives.

A. 33 hours with thesis

1. Secondary Education Core ____________________________ 6 hours
2. History Emphasis ____________________________ 15 hours
3. Free Electives ____________________________ 9 hours
4. Thesis (defended orally) ____________________________ 6 hours
5. Written exam on work taken in the History Department toward the degree

B. 35 hours with project

1. Secondary Education Core ____________________________ 6 hours
2. History Emphasis ____________________________ 15 hours
3. Free Electives ____________________________ 9 hours
4. Project ________________________________________ 3 hours
5. Written or oral examination covering aspects of project and course work taken in the History Department toward the degree

C. 36 hour

1. Secondary Education Core ____________________________ 6 hours
2. History Emphasis ____________________________ 18 hours
3. Free Electives ____________________________ 12 hours
4. Written examination covering course work taken in the History Department toward the degree

III. Course Offerings

A. Required courses

1. HY 500 History and Historical Interpretation ____________________________ 3 hours
2. HY 502 Teaching History in the Secondary Schools ____________________________ 3 hours
3. HY 510-11 History of Western Thought ____________________________ 3 hours
4. HY 520 Sources of American Values ____________________________ 3 hours
4. HY 580, 581, 582 Seminar ____________________________ 3 hours
5. TE 560 Secondary Education Core ____________________________ 6 hours

B. Elective courses

Additional courses from History or allied fields as planned by the student and his/her graduate committee to meet program requirements.

C. Additional Information

1. Some students may be required to remove deficiencies before admission to candidacy. Students with strong undergraduate history may apply to challenge, waive, or replace parts of the emphasis requirements.
2. Students electing a double emphasis will draw up their program in consultation with their committee.
3. A maximum of six hours in 400G History courses may be substituted for seminar work in the History offerings.

HY — HISTORY COURSES

GRADUATE

334g United States Social and Cultural History (3 credits). Selected social and cultural themes from colonial times to the present. Attention will be given to the nature and meaning of the United States national experience by examining customs, traditions, and intellectual developments in their historical context. HY-151, 152 recommended. Either semester, alternate years.

423g European Diplomatic History 1871—Present (3 credits). A consideration of the major questions affecting the international relations of the major European countries from 1870 to the present; the search for security after the creation of the nation of Germany; the potential collapse of the Ottoman Turkish Empire; European imperialism in Africa and Asia; the origin of the Alliance system; the coming of World War One; the search for security in the 1920's; the coming of World War Two; and the origins of the Cold War; as European diplomacy merges into world diplomacy. Fall or Spring, alternate years.

501 History of Science (3 credits). This is a survey of man's efforts to understand the natural world. "Ancient Science" is presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS Credit, but not for both.

500 Historians and Historical Interpretation (3 credits). An examination of the major historians and schools of historical interpretation from Classical Greece to the twentieth century. Discussions will concern the historical writers and their works as well as problems of historical knowledge and the interpretation of history. Taught by several members of the history staff, this course offers variety and interpretation from specialists in many different fields of history. Prerequisite: Admission to the graduate program or consent of the department chairman.

502 Teaching History in Secondary Schools (3 credits). An inquiry into the philosophy of history, a consideration of the relationship of the discipline to other social studies and other fields of knowledge, and a survey of various techniques available to teachers of history at the secondary school level. Prerequisite: Admission to the graduate program or permission of the department chairman.

510 History of Western Thought (3 credits). History of Western Thought beginning with the Ancient Near East to the Renaissance and Reformation. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. Prerequisite: Admission to the graduate program or consent of the department chairman.

511 History of Western Thought (3 credits). History of Western Thought from 1550 to the present. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. Prerequisite: Admission to the graduate program or consent of the department chairman.

503 Sources of American Values (3 credits). A study of the origins of American thought and culture. The Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and an exploration of American values on the eve of the Civil War. Lassaez-faire capitalism and the reaction to industrialism follow. Students then examine the evolution of the nature of a twentieth century topic of their choice; that is, the course is a contemporary political, economic, or social attitude or position. Prerequisite: Admission to the graduate program or consent of the department chairman.

520 Sources of American Values (3 credits). A study of the origins of American thought and culture. The Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and an exploration of American values on the eve of the Civil War. Lassaez-faire capitalism and the reaction to industrialism follow. Students then examine the evolution of the nature of a twentieth century topic of their choice; that is, the course is a contemporary political, economic, or social attitude or position. Prerequisite: Admission to the graduate program or consent of the department chairman.

550 Graduate Seminar in U. S. History (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of European history. Prerequisite: Admission to the graduate program or consent of the department chairman.

551 Graduate Seminar in European History (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of European history. Prerequisite: Admission to the graduate program or consent of the department chairman.

552 History of American Values (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of European history. The Third World scope includes Latin America, Far East, Middle East and Africa. Primary emphasis will be placed on reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. Prerequisite: Admission to the graduate program or consent of the department chairman.

553 History of American Values (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of European history. The Third World scope includes Latin America, Far East, Middle East and Africa. Primary emphasis will be placed on reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. Prerequisite: Admission to the graduate program or consent of the department chairman.

554 Project (3 credits).

557 History Colloquium (3 credits).

553 Research and Thesis (6 credits).

558 History Seminar (3 credits).

MASTER OF SCIENCE, SECONDARY EDUCATION

Mathematics Emphasis*

A. The Masters of Secondary Education with a Mathematics emphasis may be obtained through any of the following three options.

1. The 30-hour "examination option"
   a. Secondary Education Core ........................................ 6 credits
   b. Mathematics sequence and seminar ................................ 9 credits
   c. One mathematics course exclusive of M 503, M 504, or M 561 ........................................ 3 credits
   d. Mathematics electives ........................................ 6 credits
   e. Free electives ........................................ 6 credits
   f. A written examination over mathematics course work
   g. An oral examination over all course work included in the student's program

2. The 33-hour "project option"
   a. Secondary Education Core ........................................ 6 credits
   b. Mathematics sequence and seminar ................................ 9 credits
   c. Mathematics electives ........................................ 6 credits
   d. Free electives ........................................ 9 credits
   e. A written examination over mathematics course work
   f. The 33-hour "thesis option" is the same as the "project option" except that M 591 is replaced with M 593.

B. Mathematics Requirements

1. Required Courses
   a. M 501, 502 Real Analysis I, II or M 541
   b. M 542 Modern Algebra ........................................ 6 credits
   c. M 598 Seminar in Mathematics ........................................ 3 credits

2. Elective Courses

   Additional courses as planned by the student and his graduate committee to meet program requirements.

C. Additional Information

1. Credit in Workshops (594 or 599) is limited to a total of 3 credits to be applied to partial fulfillment of the requirements for the emphasis in Mathematics.

2. Some students may be required to remove deficiencies before admission to candidacy. Students with strong undergraduate mathematics may apply to challenge, waive, or replace parts of the emphasis requirements.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

M — MATHEMATICS COURSES

GRADUATE

450 Theory of Functions of a Complex Variable (3 credits). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M-206 or 212. Fall semester.

431g-432g Probability and Statistics (3 credits). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. Prerequisite: M-206 or 212. Sequence beginning each Fall.

455g Linear Programming (4 credits). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M-201. Spring semester; odd-numbered years.


503 The Teaching of Algebra (3 credits). Contemporary approaches to teaching secondary school algebra: treatment of selected topics in modern algebra; methods and materials; research relevant to the teaching of algebra. Prerequisite: M-302.

504 The Teaching of Geometry (3 credits). Contemporary approaches to teaching secondary school geometry: treatment of selected topics in geometry; methods and materials; research relevant to the teaching of geometry. Prerequisite: M-311.

505 Foundations of Mathematics (3 credits). The axiomatic method and its role in modern mathematics; the role of the theories of sets and groups in the development of mathematics; modern philosophies of mathematics. Prerequisite: M-302 or consent of the instructor.

511 General Topology (3 credits). Set, separation axioms, topologies, connectedness, completeness, generalized convergence, continuity, product spaces. Prerequisite: M-401 or M-501 or consent of instructor.

541-542g Abstract Algebra I, II (3 credits each). Mappings, the integers, groups, subgroups, morphisms, rings, integral domains, polynomial rings, fields, field extensions. Prerequisite: M-301 and M-302 or consent of the instructor.

547 History of Mathematics (3 credits). The course is designed for mathematics teachers in the secondary schools. The course consists of two parts: the first part traces the development of algebra, geometry, analytic geometry and calculus to the 19th century; the second part gives a brief introduction to, and history of, some of the developments in mathematics during the last century. Prerequisite: consent of the instructor.

561 Mathematics for Operations Research (4 credits). An introduction to mathematical techniques commonly used to solve problems which call for a decision based on the analysis of several variables. Linear systems, matrices, linear programming with Simplex method, differential calculus, and integral calculus with emphasis on applications in management decision situations. Prerequisite: consent of instructor.
GRADUATE SCHOOL

594 Mathematical Modeling (3 credits). A brief introduction to digital computer programming in FORTRAN or BASIC. Difference equations, their solutions, stability, equilibrium values, and their use in computer simulation. Applications to demography and economics. Prerequisite: Consent of instructor. Summer.

571 Mathematics Curriculum: 7-12 (3 credits). The history of the 7-12 mathematics curriculum content developed by the secondary school's own curriculum committee; organization of the curriculum, study of reports and recommendations; curriculum development projects. Prerequisite: one year's teaching experience in junior or senior high mathematics.

591 Project (3 to 6 credits). A "project" may include, but is not limited to, a library research paper, educational research, or written curriculum with teaching materials. Prerequisite: admission to candidacy.

593 Thesis (3 to 6 credits). The scholarly pursuit of original work in mathematical research or the formulation of a new system of ex tant mathematics. Prerequisite: admission to candidacy.

598 Seminar in Mathematics (3 credits). The content will vary within a format of student presentation and discussion of relatively advanced mathematical topics selected from texts or mathematical journals. This will not be a seminar in mathematics education. Each semester.

MASTER OF ARTS, SECONDARY EDUCATION* Music Emphasis

ADMISSIONS AND PROGRAM

A. The Master's Degree in Secondary Education, Music Education emphasis, is designed to meet the needs of the practicing junior high or high school music specialist. While teaching experience is not necessary in order to begin work on this degree, any applicant for the degree must either be currently certified as a secondary school music specialist, or agree to begin the process toward attaining this certification while working on the degree. Before Advancement to Candidacy can be granted, the student must ordinarily show eligibility for certification by the State of Idaho or varied other State. Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university, and who agree to begin the process toward attaining this certification while working on the degree.

B. All regular and provisional graduate students will be required to take diagnostic examinations during the first part of their first semester in attendance. The purpose of these examinations is to determine the student's strengths and weaknesses so that the student and his committee will be able to set up a program according to the student's needs. The examinations will be held in the areas of music education, music theory, music history and performance. The results of these examinations will be interpreted by the Music Department. The student's advisor will consult with the student about action towards remediating any deficiencies. Any undergraduate course used to make up the deficiencies will not count toward the Master's Degree. A student who has any deficiencies will be granted Provisional Status only in the graduate program; when all deficiencies are removed he may then seek Regular Status. A description of the material covered on these examinations is available from the Music Department.

COURSE OFFERINGS*

A. Required Courses

1. MU-503 Introduction to Research Materials in Music Education ... 3 credits
2. MU-570 New Development in Music Education ... 3 credits
3. Culminating activity** or additional course work .................. 3-6 credits
4. TE-580 Secondary Education Core courses ... 6 credits
5. Total hours ............................................ 30-33 credits

B. Elective Courses

Additional courses as planned by the student and his graduate committee.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

**A thesis or final project.

MC — MUSIC, PRIVATE LESSON PERFORMANCE STUDIES GRADUATE

Students will be assigned on the basis of an audition. Performance, technical study, musical interpretation, literature, and teaching technique will be stressed.

All MC 500-level courses are repeatable for credit up to a maximum of 6 credits. See undergraduate private lesson performance study course numbering system for explanations of course numbers.

501, 502 Woodwind instruments private lessons
511, 512 Brass instruments private lessons
521, 522 Percussion instruments private lessons
531, 532 Voice private lessons
541, 542 Keyboard instruments private lessons
551, 552 fretted instruments private lessons
561, 562 bowed string instruments private lessons

ME — MUSIC, GENERAL GRADUATE

510 Choral Ensemble (1 credit). A general chorus open to all interested students. The format of the classes will be directly related to the size of enrollment: i.e., choir, chamber ensemble, or col legium musicum.

520 Instrumental Ensemble (1 credit). A performing group or groups will be formed, dependent on the size of enrollment, such as trios, quartets, band or orchestra. Opportunities to perform ensemble music of various kinds will be given. Medieval, Renaissance, Baroque, Classical, Romantic and Contemporary music will be performed in groups from trios up to and including band and orchestra. Emphasis will be placed on techniques of ensemble playing, intonation, phrasing, articulation and proper performance practice of ensemble literature.

MU — MUSIC, GENERAL GRADUATE

501 History of Music in the United States (3 credits). Designed for either the non-specialist or specialist in music; this course will survey the role which music has played in the development of the American culture. Among the topics covered will be early New England music, music of the Black, Indian, and other ethnic groups. Social and historical interrelationships with music will be examined and discussed.

503 Introduction to Research Materials in Music Education (3 credits). Designed for the secondary school music specialist, this course will provide an introduction to the basic research literature within music education. Interpretation of research findings, basic research problems, problems in music educational research, and a review of literature pertinent to students' major area of interest will be included.


586 Seminar in Instrumental Music: Performance Practices and Styles (3 credits). An analysis will be made of representative instrumental works of four stylistic periods: the Baroque, the Classical, the Romantic, and the Contemporary. Emphasis will be placed on facets of interpretation that would give the conductor or the performer a better understanding of the music and its historical, generic and stylistic background. The works considered will be covered in a semester long course. Emphasis will be placed on techniques and performance practices through analyses, discussion of aesthetics, and applications to musical literature. The works considered will be covered in a semester long course. Emphasis will be placed on techniques and performance practices through analyses, discussion of aesthetics, and applications to musical literature.
to the development of musicality in young children. Spring semester. Prerequisites: Public School Music, MU 371, general or special experience in classroom teaching, or consent of instructor.

572 Listening and Singing Experiences for the Elementary School (3 credits). This course is designed to present in-depth experiences in musical works and songs which can be used in the elementary classroom. Phonograph recordings, music series books and films will be surveyed and examined for use in the classroom. New media approaches will be introduced for the building of concepts of music perception. Ways of integrating listening works with singing activities through a conceptual approach will be stressed. This course will be offered every semester.

575 Administration of School Music (3 credits). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel, and philosophy.

593 Culminating Project (3 credits). A project may be defined as, but is not limited to any of the following:
A. A library research paper which fits the educational needs of the student.
B. A curriculum proposal in written form which could be considered for implementation in the schools.
C. A lecture/recital with a written paper discussing aspects of music which is performed.
D. A written examination on five questions chosen by the student’s committee chairperson from a list of twenty submitted by the student.

THE DEGREE OF MASTER OF PUBLIC ADMINISTRATION

DEPARTMENT OF POLITICAL SCIENCE

The Master’s degree in Public Administration is an inter-university cooperative graduate program offered jointly by Boise State University, Idaho State University, and the University of Idaho. The purpose of the program is to provide present and prospective public administrators with the basic intellectual preparation necessary to understand and to adjust to a changing and challenging environment through an introduction to the theories and practices of administration, management, and social science research as these relate to effective performance in public organizations. The MPA program is coordinated through an INTER-UNIVERSITY COMMITTEE, comprised of the chairmen of the departments of political science or government at the cooperating universities, a representative of the Office of the State Board of Education, and a representative of cooperating government agencies. The essential features of this inter-university cooperative program are: (1) general coordination and policy control by the INTER-UNIVERSITY COMMITTEE; (2) unrestricted transferability of credits earned at any of the participating universities; (3) coordination among universities in scheduling and offering courses in the MPA program; and (4) the establishment of a basic core of courses at all three cooperating institutions plus optional areas of emphasis which may vary among the universities and which reflect the particular areas of specialization available at the respective universities.

The inter-university MPA program has been designed in accordance with the Guidelines and Standards for Professional Master’s Degree Programs in Public Affairs and Public Administration prescribed through the National Association of Schools of Public Affairs and Administration (NASPAA).

ADMISSION TO THE MPA PROGRAM

Students may enroll in the MPA by applying to one of the participating universities. Acceptance by any of the three universities admits a student into the MPA program. A matriculated student should complete graduate studies at the institution which offers the area of specialization which he or she wishes to emphasize. The specific program which each student will pursue will be established by an advisory committee consisting of three faculty members, one of whom will be from a university other than that of the chairman of the student’s advisory committee. No specific undergraduate program is required in preparation for the MPA program. It is anticipated that students will come from widely differing academic preparations.

However, some coursework in humanities and social sciences (political science, sociology, economics and psychology) is essential for the foundation of the MPA program for all students; also a student must provide evidence of proficiency in skills of statistics, data processing, or accounting, either through undergraduate preparation or previous work experience. Deficiencies in these areas will be made up outside of the required curriculum. A student may be required to remove other deficiencies related to specified areas of emphasis in the MPA program, as determined by the Inter-University Committee.

SPECIFIC ADMISSION REQUIREMENTS FOR APPLICANTS TO THE MPA PROGRAM

All applicants to the MPA program at Boise State University must meet the following requirements prior to enrollment in MPA courses:

A. Possession of a baccalaureate degree from an accredited institution.
B. Demonstration of satisfactory academic competency by attaining an overall GPA of 2.75 and recommendation for admission by the Department of Political Science. Students with a lower GPA may be admitted on provisional status on recommendation of the Department of Political Science with approval of the Graduate school. Final determination on the retention in the MPA program of a student with provisional status will be made after the completion of twelve (12) credits of approved study, with the general requirements of a grade of “B” or better in the course work taken.

C. Receipt of three letters of personal evaluation from individuals qualified to evaluate the applicant’s academic potential. Evaluators may include current or former employers, as well as professors. The letters are to be addressed as follows: Chairman, Department of Political Science, Boise State University, Boise, Idaho 83725.

D. Submittal of a brief statement by the applicant indicating his/her career objectives and the area of emphasis to be undertaken in the Master’s of Public Administration program.

E. Completion of the following prerequisite courses in undergraduate preparation or their equivalent (applicable to all students applying for admission to the MPA program).

1. American National Government—3 semester credits
2. State—Local Government—3 semester credits
3. Introduction to Public Administration—3 credits
4. At least three semester credits in each of two of the following areas:
   a. Accounting
   b. Economics
   c. Psychology
5. At least three semester credits in one of the following areas:
   a. Sociology
   b. Data Processing
   c. Social Statistics
6. For those students selecting “Human Services Administration” as their area of emphasis for specialized preparation in Public Administration, at least 9 semester credits in Sociology.
7. For those students selecting “Criminal Justice Administration” as their area of emphasis for specialized preparation in public administration, at least 9 semester credits in Criminal Justice.

Students who are deficient in any of the prerequisites indicated above must remove these deficiencies prior to enrollment in MPA graduate-level courses for credit. The student may be required to remove other deficiencies as determined by the Inter-University Committee established for administrative coordination of the MPA program.
GRADUATE SCHOOL

F. An applicant planning to achieve an MPA degree at Boise State University must be accepted by the Graduate School of Boise State University. (The student is advised to consult the appropriate section of the bulletin for any special requirements for conditions prescribed by the Graduate School.)

THE GRADUATE DEGREE PROGRAM

The MPA degree may be achieved through the successful completion of at least 30 semester credit hours of approved course work plus 6 credits of public service internship. Eighteen credit hours must be completed in courses selected from prescribed “core areas” with 12 additional credit hours completed in designated optional areas of emphasis. Students may follow a thesis or non-thesis option in pursuing the MPA. The thesis counts as 6 credits toward completion of the degree in lieu of course work selected from the student’s area of emphasis. All MPA candidates must complete final examinations. Those following the thesis option will complete an oral examination covering the thesis and program course work. The non-thesis option requires a written and oral examination over program course work.

The academic program of each student must be approved by the MPA advisory committee and must satisfy the general requirements of an integrated program designed to meet career objectives of the student in public administration.

CORE AND OPTIONAL AREA REQUIREMENTS

The specific course requirements of the MPA program are set forth in a list of courses which has been approved by the INTER-UNIVERSITY COMMITTEE. This list is available through each of the cooperating universities. Courses are available at each institution in the “core areas.” The optional “areas of emphasis” may vary among the universities according to the resources and competencies which exist in the respective departments. Moreover, the MPA envisages further development of “areas of emphasis” and expansion of available courses as additional resources become available and the cooperative relationships among the three universities are further developed. The listing of “areas of emphasis” represents a collective enumeration of all optional areas which currently are available or are planned for future development at all of the cooperating universities. (A description of these areas of emphasis which are presently operational at each institution and admission forms to the MPA program are available through the chairman of the Department of Political Science at Boise State University, the chairman of the Government Department at Idaho State University, or the chairman of the Department of Political Science at the University of Idaho.)

“Core Area” Requirements: At least 18 semester credit hours of course work required on the designated “core areas” are to be selected in accordance with the following bases of selection:

1. At least one course selected from each of the following “core areas”:
   a. Administrative Theory, Organization and Behavior
   b. Public Management Techniques
   c. Public Policy and Policy Analysis

2. At least one course from each of two of the following “core areas”:
   a. Administrative Law
   b. The Executive and the Administrative Process
   c. Intergovernmental Relations
   d. Community and Regional Planning
   e. Comparative Public Administration and Planning Systems

3. A sixth course is to be selected also from any one of the eight “core areas” listed under items one and two above.

Optional “Areas of Emphasis”: At least 12 semester credit hours of course work are to be taken in any one of the following “areas of emphasis”:

1. General Public Administration
2. Community, State and Regional Planning
3. Criminal Justice Administration
4. Public Health Administration

5. Public Finance, Budgeting, and Administrative Management
6. Environmental and Natural Resources Administration
7. Local Government Administration
8. Human Services Administration

Public Service Internship: Those students with no work experience in government are to be assigned as “public service interns.” The internship is to be served in a government office at local, state, or federal levels, or in appropriate organizations which are concerned with governmental affairs, such as private foundations and community institutions. Credit provided for the internship shall be in addition to the 30 semester credit hours of course work required in the MPA program. The internship component will constitute 6 semester hours.

COURSES OFFERED AT BOISE STATE UNIVERSITY FOR THE DESIGNATED “CORE AREAS” AND THE OPTIONAL “AREAS OF EMPHASIS” IN THE MPA PROGRAM

I. Designated Core Area

(Note: Selection of courses is to be made in consultation with the student’s major professor in the preparation of a MPA Program Development Plan for each individual student.)

A. Administrative Theory, Organization, and Behavior
   PO 487 (G) ORGANIZATION THEORY AND BUREAUCRATIC STRUCTURE

B. Public Management Techniques
   PO 510 MUNEVAL Processes and Public Budgeting Process
   PO 511 PROGRAM EVALUATION and QUANTITATIVE ANALYSIS
   MG 541 HUMAN RESOURCE MANAGEMENT
   DP 542 COMPUTER APPLICATIONS FOR MANAGEMENT

C. Public Policy and Policy Analysis
   PO 520 PUBLIC POLICY FORMULATION AND IMPLEMENTATION

D. Administrative Law
   PO 467 (G) ADMINISTRATIVE LAW

E. The Executive and the Administrative Process
   PO 530 THE ROLE OF THE EXECUTIVE IN POLICY MAKING

F. Intergovernmental Relations
   PO 469 (G) INTERGOVERNMENTAL RELATIONS

G. Community and Regional Planning
   NO COURSE OFFERING YET PROVIDED AT BSU

H. Comparative Public Administration and Planning Systems
   PO 465 (G) COMPARATIVE PUBLIC ADMINISTRATION

II. Optional ‘‘Areas of Emphasis’’

(Note: Some of the courses provided in designated “areas of emphasis” are also provided in designated “core areas,” as shown above. In such cases, a course may satisfy a general core area requirement or a specific “area of emphasis” requirement in the MPA program but NOT both.)

A. General Public Administration

This area of emphasis is provided to accommodate those students desiring preparation in public administration as a “generalist” rather than a “specialist” in a particular area of specialization. At Boise State University the student may select the remaining 12 credit hours of course work from the courses listed below:

   PO 465 (G) COMPARATIVE PUBLIC ADMINISTRATION
   PO 467 (G) ADMINISTRATIVE LAW
   PO 469 (G) INTERGOVERNMENTAL RELATIONS
   PO 511 PROGRAM EVALUATION and QUANTITATIVE ANALYSIS
   PO 530 THE ROLE OF THE EXECUTIVE IN POLICY MAKING

Any of the following courses, identified as “selected topics,” which will be offered as staff availability permits, may be selected also to satisfy the General Public Administration area of emphasis:

   PO 580 SELECTED TOPICS—Administrative Theory, Organization and Behavior

*General Public Administration is presently the only option available to BSU, pending further development.
GRADUATE SCHOOL

PO 581 SELECTED TOPICS—Public Management Techniques
PO 582 SELECTED TOPICS—Public Policy and Policy Analysis
PO 583 SELECTED TOPICS—Administrative Law
PO 584 SELECTED TOPICS—The Executive and the Administrative Process
PO 586 SELECTED TOPICS—Intergovernmental Relations
PO 587 SELECTED TOPICS—Comparative Public Administration and Planning Systems

Arrangements may also be made in the following courses:
PO 583 THESIS
PO 595 READING AND CONFERENCE
PO 596 DIRECTED RESEARCH
PO 599 CONFERENCE/WORKSHOP

B. Community, State and Regional Planning
(No course offering yet provided at BSU in the MPA program)

C. Criminal Justice Administration
CR 510 SPECIAL PROGRAMS IN CORRECTIONAL TREATMENT
CR 511 SOCIAL PROBLEMS OF THE JUVENILE AND YOUTHFUL OFFENDER
CR 595 READING AND CONFERENCE
CR 598 SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION

D. Public Health Administration
(Planned, but no course offering yet provided at BSU in the MPA program)

E. Local Government Administration
(Planned for future implementation as an area of emphasis at BSU)

F. Public Finance, Budgeting, and Administrative Management
(Planned for future implementation as an area of emphasis at BSU)

G. Human Services Administration
SO 510 CONFLICT AND CHANGE IN SOCIO-CULTURAL SYSTEM
SO 511 THE SOCIOLOGY OF AGE-GROUP STRATIFICATION
SO 512 SOCIAL DEMOGRAPHY
SO 580 SELECTED TOPICS—Human Services Administration
SO 595 READING AND CONFERENCE

GRADUATE SCHOOL

PO — POLITICAL SCIENCE COURSES

455G Comparative Public Administration (3 credits). Systematic examination and comparison of the varied models and theories of administrative systems. The course will cover intranational and international studies. (Students enrolled in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 303. Either semester.

467G Administrative Law (3 credits). Review of the sources of power and duties of administrative agencies, the rules and regulations made by the agencies through investigation and hearings, as well as judicial decisions and precedents relating to administrative activities. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 303. Each semester.

491G Intergovernmental Relations (3 credits). An examination of interunit cooperation and conflict in the American Federal System, including state-local relationships and metropolitan dispersal and integration. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students: PO 101, PO 102, and PO 303. Either Semester.

481G Organizational Theory and Bureaucratic Structures (3 credits). A socio-political analysis of the theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. (Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.) Prerequisite for undergraduate students. Upper-Division standing and consent of instructor. Each semester.


511 Program Evaluation and Quantitative Analysis (3 credits). The application of social science research to administrative problems, including practical methods of gathering, analyzing, and interpreting data. Theory and basic techniques underlying quantitative analysis of public programs. Either semester.

529 Public Policy Formulation and Implementation (3 credits). The process of policymaking both within an agency and within the larger context of the total governmental process, emphasizing policy and program planning, policy implementation and the value system of administrators. Each semester.

530 The Role of the Executive in Policy-Making (3 credits). A study of the American executive, including the president, the governor, and the mayor, with consideration given to their institutional settings and role conceptions. An examination of the role of the executive in the policy-making process, including sources of strength and weaknesses and the strategies used to enact their programs. The problems of the relationship between the executive and the bureaucracy will also be reviewed. Each semester.

The following courses identified as "selected topics" are to be offered as staff availability permits:

580 Selected Topics—Administrative Theory, Organization, and Behavior (3 credits).
581 Selected Topics—Public Management Techniques (3 credits).
582 Selected Topics—Public Policy and Policy Analysis (3 credits).
583 Selected Topics—Administrative Law (3 credits).
584 Selected Topics—The Executive and the Administrative Process (3 credits).
585 Selected Topics—Intergovernmental Relations (3 credits).
586 Selected Topics—Community and Regional Planning (3 credits).
587 Selected Topics—Comparative Public Administration and Planning Systems (3 credits).
588 Public Service Internship (Variable Credit). A public service internship is to be arranged, as field experience, for those students with no prior experience in governmental or other organization assignments. Such internships will be established and arrangements made for placement through the chairman of the Department of Political Science.
593 Thesis (3 credits/semester). Selection of approved topic in public administration for major preparation and defense through consultation with major advisor.
595 Reading and Conference (1-2 credits). Directed reading on selected materials in public administration and discussion of these materials, as arranged and approved through major advisor.
596 Directed Research (1-3 credits). Special projects undertaken by the MPA student as advanced tutorial study in specialized areas according to the needs and interests of an individual student. The course embodies research, discussions of the subject matter and procedures with a designated professor and a documentary paper covering the subject of the independent study.
599 Conference Workshop (1 credit). Conferences or workshops covering various topics in public administration may be offered on an irregularly scheduled basis, according to student interest and staff availability. No more than 3 credits provided through conferences or workshops can be applied toward the MPA.

CR — CRIMINAL JUSTICE ADMIN. COURSES

511 Special Problems of the Juvenile and Youthful Offender (3 credits). Examination of current processes in juvenile justice, rehabilitation programs, probation and utilization of community-based resources. Emphasis will be placed on preventive/rehabilitative measures at the local level. Either semester.
580 Selected Topics — Criminal Justice Administration (3 credits).
595 Reading and Conference (1-2 credits). Directed reading on selected materials in criminal justice administration and discussion of these materials, as arranged and approved through major advisor.
598 Seminar in Criminal Justice Administration (2 credits). Intensive analysis of selected subject areas of the system of criminal justice administration. Prerequisite: CR 391. Either semester.

SO — SOCIOLOGY COURSES

GRADUATE

501 The Sociology of Education (3 credits). A sociological analysis of the American school system, its problems and the social forces that shape the schools in contemporary society.
510 Conflict and Change in Socio-Cultural Systems (3 credits). The theory and evidence of socio-cultural change, as viewed from sociological perspectives, demonstrating the evolutionary and revolutionary trends, with focus on the interaction between technological, institutional and value systems as they affect human development and the provision of social services. Either semester.
511 Social Demography (3 credits). Techniques and methods for analyzing population growth, trends, and movement as reflected in actuarial data, birth-death rate, mobility, fertility and fecundity as these affect the societal patterns, especially planning for human service programs. Either semester.
582 Selected Topics—Human Services Administration (3 credits).
595 Reading and Conference (1-2 credits). Directed reading on selected materials in human services administration and discussion of these materials, as arranged and approved through major advisor.

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The objectives of the Boise State University Programs leading to these Graduate degrees are to further prepare candidates for careers in their chosen fields. The MBA degree emphasizes the traditional approach of the development of managerial generalists, with a common body of functional knowledge given to all students. While there is no area of emphasis or major available in the MBA program, once a student satisfies the functional core of courses, electives to achieve a minor degree of concentration are possible. The MS in Accounting degree is designed for those persons who have a bachelor’s degree in accounting, or its equivalent, and who desire to increase their competencies in the accounting field. In addition, this course of study will assist students in their preparation for taking the CMA, CPA or other certification tests. For those who have already attained certification status, it will provide an excellent vehicle for maintaining and improving current proficiencies.

Students who wish to earn a second master’s degree in business must design a program to satisfy the degree requirements in consultation with the graduate program coordinator for the MBA or the graduate accounting advisor for the MS in accounting. Normally a minimum of 15 credit hours will be necessary to satisfy the requirements for a second master’s degree. Those students entering with a prior graduate degree from another institution are advised that a maximum of nine graduate semester credits may be accepted and applied toward a master’s degree at Boise State University.

GENERAL PREREQUISITES FOR APPLICANTS

Admission will be granted to applicants who hold a bachelor’s degree from an accredited college or university and who meet the standards set by the School of Business of Boise State University. Common to all programs is a foundation of prerequisite knowledge in basic fields of business administration. Students presenting a bachelor’s degree in business or accounting normally will have completed most of these requirements as part of their undergraduate program. The Master of Business Administration program is also designed to serve the student who has completed his bachelor’s degree in non-business fields such as the sciences, engineering, and the liberal arts. Therefore, the students must demonstrate proficiency in prerequisites. These prerequisites may be fulfilled by satisfactory completion of course work in these areas, or by successfully passing the acceptable CLEP examination, and any other local departmental requirements. The Master of Science in Accounting can be achieved by those students not holding a degree in accounting, or its equivalent, only by accomplishing required course work to receive a second degree in accounting, or specifically designed programs to obtain the equivalent knowledge.

MATRICULATION REQUIREMENTS

SPECIFIC PREREQUISITES FOR APPLICANTS

All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrollment in Masters classes. (New applicants for the programs should furnish documentary evidence of GMAT scores and copies of official transcripts upon initial application. For fall enrollment, students should arrange to take the GMAT by July. For spring enrollment, the GMAT should be taken no later than the October or November test date).

(a) Possession of a bachelor’s degree from an accredited institution.

(b) Demonstration of satisfactory academic competency by virtue of acceptable scores achieved by either of the following two formulae: 200 X overall GPA plus GMAT score must equal 1000 minimum 200 X junior/senior GPA plus GMAT score must equal 1050 minimum

(c) For foreign students, in addition to the above formulae minima, a score of 525 on the TOEFL, or its equivalent, is necessary.

(d) Prerequisites:
1. Accounting (equivalent to one year)
2. Economics (equivalent to one year)
3. College level mathematics (equivalent to one year)
4. Management
5. Business Law
6. Marketing
7. Finance
8. Data Processing (programming techniques)
10. For the MS student, sufficient accounting courses to have achieved the accounting degree or equivalent.
11. Business writing proficiency — must be demonstrated by passing a proficiency test or by receiving a grade of “C” or better in OA 238 — Applied Business Communications.

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in Masters level courses. Enrollment in courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse from these Masters courses.

The student may be required to remove other deficiencies as determined by the School of Business.

All applicants must be accepted by the Graduate School of Boise State University in order to achieve the Masters degree.

THE MBA DEGREE

The Master of Business Administration degree consists of a minimum of 30 semester hours of credit from the offerings listed on the following pages or other graduate courses suitable to an MBA degree, as accepted by the MBA Admissions Committee.

Required Core Courses

Electives

Note: A student with a major in a functional business discipline such as management, marketing, finance, economics, or accounting should not take the core course in that discipline, and may substitute any MBA elective in its place.

Students may elect a maximum of 6 credit hours from the 400 level “G” courses from the Undergraduate School of Business Program. Only those courses listed on the following pages are approved. Advisors should be consulted regarding those courses.

Under certain conditions with the approval of the MBA Program Coordinator and the department head concerned, MBA students may earn up to maximum of 3 credit hours of Directed Research and/or Internship Credits which apply to graduation requirements.

MBA — REQUIRED CORE COURSES

GB 510 Business and Its Environment (3 credits). This course involves examination of the interaction between business and the economic, social, political and legal order, both domestic and worldwide. By utilizing analysis of particular situations, it focuses attention on the broad effects of this total environment upon the administration of business. Emphasis is placed on students testing their own values as they relate to the appropriate responsibilities of business to its various publics. The development of personal business ethics is emphasized.

GB 512 Statistical Methods for Business Decisions (3 credits). The purpose of this course is to provide the student with an understanding of those statistical methods used in the business decision process. The emphasis will be on the application of the techniques and the reason for their employment in decision processes. Computer application programs will be employed to assist in the learning process. Topics generally covered include: Multiple Regression Analysis, Forecasting and Bayesian Decision Theory. Prerequisites: GB 207, MG 301, and DP 320, or equivalent courses.

GB 514 Operations Research Methods for Decision Making (3 credits). This course provides an introduction to operations research decision making aids. The emphasis will be on applying quantitative tools and interpreting the results rather than on theoretical developments. Particular attention will be given to using the computer to analyze quantitative models. Typical areas covered are: Linear Programming, Network Models, and Inventory Control Theory. Prerequisites: Graduate Standing, GB 207, DP 320 and MG 301, or equivalent courses.

*Student selects either GB 512 or GB 514.

MK 519 Marketing Management Concepts (3 credits). Concepts and theories of marketing management are related to the organization and environments that interact
with the marketing function. The approach is interdisciplinary and analytical. The decision-making process places emphasis on identifying marketing opportunities and problems, the selection and development of alternatives, implementation of marketing strategies, and evaluation of marketing plans and programs are also emphasized. Marketing to consumer, industrial, institutional, and international sectors are discussed. Prerequisite: GB 512 or GB 514.

FI 530 Financial Management (3 credits). This course offers an analysis of financial problems and formulation of financial policies through case studies. Topical areas include financial planning and control, capital budgeting, risk analysis, cost of capital, and the capital asset pricing model. Basic structure, planning, and financial decision making, bond refunding problems, short and long-term financing requirements, mergers and acquisitions, social responsibility of financial executives, and financial problems of multinational firms. Prerequisites: GB 512 or GB 514.

AC 532 Accounting-Planning and Control (3 credits). A study of the planning and control processes within an enterprise to assist in the making of business decisions. Problems and cases are considered in the context of short-term and long-term planning and analysis, cost analysis for pricing, and capital budgeting. Overall objective is an understanding of improved techniques of cost planning and control.

MG 548 Organization Theory (3 credits). Examining briefly the history and current trends in organizations, the course focuses on the determinants and effects of organizational design. Methods of analyzing appropriate structure are discussed. Organizational behavior within the structural frame work is explored with special attention given to group dynamics, power, leadership and influence.

EC 560 The Economics of Public Policy (3 credits). The course investigates the contribution of economic analysis to the justification, design and implementation of economic policy. Emphasis is placed on the issues surrounding the need for public policy in a private profit, market economy arising from the existence of market failure, and the benefits and costs associated with government intervention. The logic of the relationships between the targets or goals and the instruments or means of economic policy is analyzed with respect to important policy issues in the U.S. and world economy. Policy issues to be analyzed include the macroeconomic issues of full employment, inflation, balance of international payments equilibrium, economic growth and microeconomic issues regarding the public regulation of business, the concentration of industry and antitrust activity, the provision of public goods by government, the redistribution of income and wealth, and national economic planning. Prerequisite: EC 201 and EC 202.

GB 575 Business Policy Formulation (3 credits). This course utilizes complex business cases, business simulation and specialized functional knowledge to determine business decisions, strategy and policies including the use of quantitative methods for allocation of flow of all goods and services in organizations. This course is designed as a general capstone experience and MBA students are expected to be taken in the last semester of the program before enrolling in the course.

MBA — ELECTIVE COURSES

BE 512 Business Research and Communication Techniques (Previously MB 512) (3 credits). Analysis of the scientific method of inquiry and specific research techniques. Evaluation of reports in terms of reliability and validity of conclusions. Development of a critical sense and analytical ability for effective expression in reports, articles, and other forms of operational communications. Opportunities for oral presentations of business information to groups and to lead and participate in such group interpersonal communication situations as conferences, meetings and discussions.

DP 542 Computer Applications for Management (3 credits). An indepth study of the impact of the computer on managers and on the environment in which managers work. Included will be consideration of data-base, MIS, the management decision process, and computer tools that can be used by managers in the decision process. Selected computer applications will be utilized.

MG 541 Human Resource Management (3 credits). This course examines how to effectively manage human resources and include discussion of the supervisory processes that are conducive to reducing labor costs and increasing productivity. Special attention will be given the human, organizational, and environmental constraints which limit managerial actions. Techniques for effectively functioning within these constraints will be discussed.

MK 520 Marketing Problems (3 credits). Analytical approach to marketing problem solving and decision making, covering market definition, personal selling, advertising and sales promotion, channels of distribution, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

Selected Topics in the following functional areas will be offered as staff availability permits, (3 credits each).

AC 580 Selected Topics—Accounting

DP 581 Selected Topics—Information Systems

EC 582 Selected Topics—Economics

FI 582 Selected Topics—Finance

MG 584 Selected Topics—Industrial Psychology

MG 585 Selected Topics—Management

MK 586 Selected Topics—Marketing

958 Internship Available on a selective, limited basis. MBA students should consult with advisors.

596 Directed Research (variable credits). Includes special projects undertaken by the MBA student, consisting of individual work suited to the needs and interests of the student. These projects embody research, discussions of the subject matter and procedures with a designated professor, and a documented paper covering the subject.

599 MBA Seminar (1 credit). The MBA Seminar will be offered each semester. Contemporary topics will be selected from the functional areas of business, based upon student interest and staff availability. Students may apply 3 hours of MB 599 toward MBA graduation credit.

UNDERGRADUATE "G" COURSES

(Too may be taken for graduate credit.)

AC 448G Accounting Theory (3 credits). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting. The course is recommended for those students planning on the CPA examination. Prerequisite: AC 306 or by permission of instructor. Spring semester.

EC 421G-422G Econometrics (3 credits). The application of mathematics and statistics to the field of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. Prerequisite: M 106 or equivalent and permission of the instructor. 421G Fall, 422G Spring.

FI 420G Investment Management (3 credits). This course focuses on the setting for investments, stocks, bonds, commodities, and stock options; risk versus return relationships in investing and speculating; efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model in planning investment strategy. Prerequisites: FI 303, GB 208. Either semester.

GB 441G Government and Business (3 credits). This course is intended to give 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 will be researched and analyzed as well as selected federal and state regulatory agencies. Prerequisite: GB 202. Spring semester.

MK 415G Marketing Research (3 credits). Consideration of the theory and use of research in providing information relative to marketing decisions. The student will obtain experience in formal research methodology by planning and conducting a research project concerning an actual business or governmental problem situation. Prerequisites: GB 207, MK 301.

THE MASTER OF SCIENCE—ACCOUNTING

The Master of Science—Accounting degree consists of a minimum of 33 hours of credit from offerings with the program described below.

The 33 credit hour requirement consists of a minimum of 15 hours in accounting courses; 15 hours in current MBA courses; and 3 hours of an elective chosen by mutual agreement between the applicant and the School of Business. Areas available for this elective are: A professional paper; GB 579, Business Policy Formulation if none has been previously taken; or the applicant's choice of an MS or an MBA course. An accounting advisor is assigned in order to assist in the choices available to the candidate. Students may take six credits from undergraduate "G" level courses from the School of Business to their MS program. Directed Research or Internship credits will be limited to three credit hours, except in special cases.

MASTER OF SCIENCE COURSES

Choice of GB-512 or GB-514 (3) see description in MBA courses

DP-542, Computer Applications for Managers (3) see description in MBA courses

AC-440G, Accounting Theory (3) see description in MBA courses

FI-530, Financial Management (3) see description in MBA courses choice of MG-540 or

MK-519 (3) see description in MBA courses

Graduate Economics

Supervising Elective (3) see description in MBA courses

AC-510, Advanced Managerial Accounting (3) see description below

AC-520, Research in Federal Taxation (3) see description below

AC-540, Perspectives in Auditing (3) see description below

AC-569, Contemporary Issues in Accounting (3) see description below

GB-579, Business Policy Formulation (3) see description in MBA courses

Graduate Elective or Professional Paper (3). If a professional paper is selected, it must be an approved topic coordinated and supervised by a committee assigned by the Department of Accounting/Data Processing. If no Business Policy course has been taken previously, GB-579 must be taken for this elective.

Applicants desiring to enter this program should contact the Master of Science Advisor (385-3461) or the Graduate Program Coordinator (385-1126) in order to commence the application process and plan an orderly progression toward the degree.

COURSES

AC — ACCOUNTING

AC 510 Advanced Managerial Accounting — An In-depth study of information and reporting needs of contemporary management for planning, control, and decision-making
GRADUATE SCHOOL

purposes. The viewpoint taken is that of the controller or chief financial officer. Representative topics include methods of developing and reporting useful cost information, cost-volume-profit analysis, operational, cash, and capital expenditure budgeting, and responsibility accounting. Consideration is given to both traditional and current concepts.

AC 330 Research in Federal Taxation — An intensive study of the more complex provisions of the Internal Revenue Code pertaining to individuals, partnerships, corporations, and estates and trusts. Tax planning for the business enterprise and the gift taxes are emphasized throughout the course, as are student research into tax problem areas.

AC 456 Perspectives in Auditing — Requirements of the Securities and Exchange Commission, methods of applying statistical techniques to auditing problems, the auditing of records maintained on computers, and internal auditing problems. This course is designed to complete, insofar as possible, a student's formal education in auditing.

AC 465 Contemporary Issues in Accounting — Financial accounting at any point in time is confronted with a variety of unresolved issues. This course is designed to familiarize the student with the significant problems currently facing the accounting profession, to examine in depth the various solutions proposed by accounting scholars and others, and to strengthen and mature the student's understanding of today's critical issues in accounting theory.

GRADUATE PROGRAM IN EDUCATION
MASTER OF ARTS IN SECONDARY EDUCATION
Business Education Emphasis

ADMISSIONS AND PROGRAM

A. The master's degree program is designed to meet the needs of business teachers. Because of the large number of business courses offered at the secondary level and because of the unique 'delivery systems' at that level, the program is designed with the flexibility and breadth considered necessary to meet a wide range of needs of those students enrolling.

Admissions will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet the admission requirement for the degree. Before Advancement to Candidacy can be granted, the student must:

1. ordinarily show eligibility for certification by the State of Idaho (or any other state), and
2. have completed the following prerequisite courses or their equivalent:
   a. Principles of Accounting 6 credits
   b. Principles of Economics 6 credits
   c. Business Law 3 credits
   d. Data Processing 3 credits
   e. Marketing 3 credits

B. Program Requirements: A maximum of 14 credit hours may be taken from the School of Business courses (excluding the listed BE courses).

1. Secondary Education Core Courses (see page 142 Teacher Ed.) 6 credits
2. Business Courses 12 credits chosen from:
   a. Business Education:
      (1) BE 511 Graduate Study in Business Education (required) 3 credits
      (2) BE 520 Curriculum and Instruction in Shorthand, Transcription, and Office Procedures 3 credits
      (3) BE 530 Curriculum and Instruction in Typewriting, Bookkeeping-Accounting, and Data Processing 3 credits
      (4) BE 540 Curriculum and Instruction in Basic Business and Economics 3 credits
      (5) BE 571 Organization and Supervision of Business Education 3 credits
      (6) BE 596 Directed Research 1-9 credits
      (7) BE 599 Workshop in Business Education 1-3 credits
      (8) OA 501 Office Systems and Procedures 3 credits
      (9) BE 441G Principles and Organization of Vocational Education Programs 3 credits
      (10) B-443G Administration and Coordination of Cooperative Programs 3 credits
   b. Business Administration 6-9 credits

3. Free Electives 3-6 credits
4. Option of:
   a. Thesis—BE 593 3-6 credits
   b. Project—BE 591 3-6 credits
   c. Additional course work 3-6 credits
5. Any approved 400-level "G" courses limited to 6 credits

COURSE OFFERINGS

A. Required Courses:
   1. TE 560 Secondary Education Core Courses 6 credits
   2. BE 511 Graduate Study in Business Education 3 credits
   3. BE 593 Thesis or BE 591 Project 3 credits

The Department recommends a thesis or project. However, the option of additional hours in Business Education is available upon approval of the Committee Chairman.

B. Elective Courses:
   Additional courses as selected by the student and his graduate committee to meet program requirements.

ADDITIONAL INFORMATION

A. Culminating Activity and Examination.

Students electing a thesis as a culminating activity will take an oral examination covering the thesis.

Students electing additional course work will take a written and/or oral examination covering course work completed in their degree program.

B. While any Master of Business Administration course may be used in the requirement outline in 2.b above, the following are considered to be courses most likely to be chosen:

GB 510 Business and its Environment 3 credits
BE 512 Business Research and Communications 3 credits
MK 520 Marketing Problems 3 credits
AC 532 Accounting Research and Control 3 credits
MG 541 Human Resources Management 3 credits
EC 560 Economics of Public Policy 3 credits

For additional details contact Department Chairman, Department of Business Education and Office Administration—(208) 385-3451.

COURSES

BE 511 Graduate Study in Business Education (3 credits). A study of professional business education including history, philosophy, psychology, and issues and trends. Each of these areas is considered in relation to business education in the public schools. Prerequisite: Graduate Status and consent of the instructor. Summer.

BE 512 Business Research and Communication Techniques (3 credits). Analysis of the scientific method of inquiry and specific research techniques. Evaluation of reports in terms of reliability and validity of conclusions. Development of a critical sense and analytical ability for effective expression in reports, articles, and other forms of operational communications. Opportunities for oral presentations of business information to groups and to lead and participate in such group interpersonal communication situations as conferences, meetings, and discussions. Prerequisite: Graduate status.

BE 520 Curriculum and Instruction in Shorthand, Transcription, and Office Procedures (3 credits). A study of various techniques available for the improvement of instruction in shorthand, transcription, and office procedures. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of instructor. Summer.

BE 530 Curriculum and Instruction in Typewriting, Bookkeeping-Accounting, and Data Processing (3 credits). A study of various techniques available for the improvement of instruction in Bookkeeping-Accounting, Data Processing, and Typewriting. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of instructor. Spring semester.

BE 540 Curriculum and Instruction in Basic Business and Economics (3 credits). A study of various techniques available for the improvement of instruction in Basic Business and Economics. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of the instructor. Summer.

BE 571 Organization and Supervision of Business Education (3 credits). A study of various techniques available for the improvement of instruction in Basic Business and Economics. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: Graduate Status and consent of the instructor. Fall BE 591 Project 3-6 credits.

BE 593 Thesis (3-6 credits). The scholarly pursuit of original work through research. Prerequisites: Admission to candidacy.
BE 595 Directed Research (Variable credits). Opportunity for the student to pursue a topic of interest on an individual basis. Prerequisite: Graduate Status and consent of the instructor.

BE 598 Workshop in Business Education (1-3 credits). Intensive study of a selected topic in business education. May be repeated for a maximum of 3 credits.

OA 501 Office Systems and Procedures (3 credits). A study of advanced systems and procedures currently in use in business offices. Includes emphasis on technical knowledge and ability to perform office activities in the following areas: automated office procedures, word processing, cost analysis and control, personnel procedures, systems analysis and flow charting, work flow, supervisory techniques and responsibilities, communications and information systems, records management, and the preparation of office manuals. Prerequisite: Graduate Status. Summer.

School of Education

MASTER OF ARTS IN ELEMENTARY EDUCATION

General Requirements

Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who have some professional relationship to elementary education. Candidates must show promise of meeting the standards set by the School of Education as well as the specific regulations of the particular program for which they apply.

Applicants for regular status in the program must have maintained a grade point average of at least 3.00 for the last two years of undergraduate study, or an overall grade point average of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements.

The name of the faculty member who will serve as chairperson of the candidate's committee is listed in the letter of acceptance to the applicant. Candidates should contact the assigned committee chairperson (advisor) as soon as possible in order to plan a program. Credits taken prior to such planning are subject to the review and approval of the committee chairperson and the Dean of the School of Education prior to acceptance in the planned program.

PROGRAM REQUIREMENTS

The Elementary Education graduate program will consist of a minimum of 30 semester hours of credit and allocated as follows:

- Required of all candidates—Core program: 9 credits
- Required of all candidates—Thesis/Project: 3 credits
- Selected electives and/or specific requirements: 12 credits
- Open electives: 6 credits

Total: 30 credits

A maximum of 9 semester graduate credits may be accepted from other graduate schools upon approval of the chairperson of the candidate’s committee and the Dean of the School of Education.

Six semester hours of credit will be open for selection in any area of the University's course offerings that will enable the candidate to strengthen a competency in elementary instruction. The candidate, in cooperation with the advisor, will choose courses which will meet the individual's needs as a teacher. Specific courses are listed within each area of emphasis.

AREAS OF EMPHASIS

The candidate selects one of five areas of emphasis:

1. Curriculum and Instruction
   - A program is planned for the person who desires to continue as a generalist in education.

2. Content Enrichment
   - The programs are planned for persons interested in subject area specialties such as Art, Mathematics and Music. The advisor has information regarding approved subject areas.

3. Early Childhood
   - The program is planned for the person who desires to specialize in Early Childhood Education.

4. Reading
   - The program is planned for the person who desires to specialize in Reading Education.

5. Special Education
   - Programs are planned for persons interested in the areas of Learning Disabilities or Mental Retardation.

CURRICULUM

REQUIRED OF ALL CANDIDATES

I. Core program of 9 credit hours, consisting of TE-570, 571, TE-563 and two 1-credit hour classes, is required of each candidate. Courses are as follows:

   - TE 570-571 Comprehensive Core for Elementary Education (total of 6 credits). Summer.
   - TE-563 Conflicting Values Influencing Education (1 credit). Summer
   - Two 1-credit hour classes from the following list:
     - TE 564 Creative Teaching—Secondary School (1 credit). Summer.
     - TE-565 Interpreting Education Research (1 credit). Summer.
     - TE-568 Techniques of Classroom Management (1 credit). Summer.
     - TE-569 Testing and Grading (1 credit). Summer.
     - TE-573 Creative Teaching—Elementary School (1 credit). Summer.

II. A Thesis/Project, as mutually agreed upon by the candidate and the committee, is required of each candidate. Selection of a thesis implies a research emphasis with a thesis format. Selection of a project implies a project directly related to instruction or some other aspect of the elementary program.


Curriculum and Instruction

(Courses and Requirements)

 Twelve semester hours of credit must be chosen from courses in this elective area. At least one course must be selected from Cluster I and from Cluster II.

Cluster I (Choose at least one course)

- TE 514 Advanced Practices and Principles in Teaching Social Science (3 credits). Fall semester.

Cluster II (Choose at least one course)

- TE 505 Individual Tests and Measurements (3 credits). Each semester.
- TE 515 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits). Fall semester.
- TE 516 Development of Skills for Teaching the Mentally Retarded (3 credits). Spring semester.
- P 502 Advanced Educational Psychology (3 credits). Either semester.
- P 503 Individual Testing and Measurement (3 credits). Spring semester, odd numbered years.
- P 504 Analysis of the Individual (3 credits). Fall semester.
- P 505 Personality Development (3 credits). Spring semester.
- P 421G Psychological Measurement (3 credits). Fall semester.

Additional Elective Courses

- TE 502 Diagnosis of Reading Problems (3 credits). Spring semester and Summer.
- TE 503 Remediation of Reading Problems (3 credits). Spring semester and Summer.
- TE 518 Techniques for Creative Writing in Elementary Schools (3 credits). Spring semester.
- TE 519 Advanced Children's Literature (3 credits). Spring semester.
- TE 520 Educational Media (3 credits). Summer, every other year.
- TE 521 Elementary Physical Education Activities (3 credits). Summer, every other year.
- TE 522 Individualization of Reading Instruction (3 credits). Spring semester and Summer.
- TE 531 Education for the Culturally Different Learner (3 credits). Spring semester.
- TE 541 Education in Emerging Nations (3 credits). Fall semester.
- TE 551 Fundamentals of Educational Research for Teachers (3 credits). Fall semester.
- TE 555 Supervision in Schools (3 credits). Fall and Spring semester.
- TE 559 Values and Ideology in Education (3 credits). Spring semester.
GRADUATE SCHOOL

P 508 Seminar — Adolescent Psychological Problems (3 credits). Fall semester, every other year. Note: See the listing of courses in the following developmental sections of the Bulletin for elective courses outside of the School of Education: Art, English, Geology, History, Music and Sociology.

Content Enrichment (Courses and Requirements)

Candidates complete 12 to 15 credit hours within the area of emphasis. The remaining 3 to 6 credits may be selected from the offerings previously listed.

Early Childhood (Courses and Requirements)

Candidates complete 6 credit hours of the required listing and 6 credit hours from the selected electives. The open electives of 6 credit hours are to be selected from the courses listed as selective electives or from other courses that complement the emphasis in Early Childhood.

Required: (6)

TE 543 Early Childhood Education Research and Review (3 credits).
TE 544 Advancing Physical and Intellectual Competencies in Early Childhood Education (3 credits).
Selected Electives: (5)

TE 545 Creativity in Early Childhood Education (3 credits).
TE 546 Diagnosis and Evaluation in Early Childhood Education (3 credits).
TE 547 Language Acquisition and Development in Early Childhood Education (3 credits).
TE 548 Program Development in Early Childhood Education (3 credits).

Open Electives: (6)

Reading (Courses and Requirements)

Candidates complete 12 credit hours as listed. The remaining 6 credits may be selected from the offerings previously listed.

TE 502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Fall semester and Summer.
TE 503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Spring semester and Summer.
TE 504 Seminar in Reading Education (3 credits). Fall semester and Summer.

Special Education (Courses and Requirements)

LEARNING DISABILITIES

Candidates complete 13 credit hours of the required listing. The remaining hours are to be selected from the elective listing.

Required: (13)

TE 502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Fall semester and Summer.
TE 503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Spring semester and Summer.
TE 515 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits). Fall semester.
TE 590 Practicum in Learning Disabilities (4 credits). Each semester and Summer.
Electives: (5)

TE 440 Instructional Materials for the Exceptional Child (3 credits). Fall semester.
TE 450G Behavior Intervention Techniques (3 credits). Spring semester and Summer.
TE 523 Emotionally Disturbed Child in the Classroom (3 credits). Fall semester and Summer.
PE 594 Physical Education in Special Education (2 credits). Summer.
P 581 Counseling and Consulting in the Elementary and Special Classroom (3 credits). Each semester.
P 505 Personality Development (3 credits). Fall semester.

MENTAL RETARDATION

Candidates complete 13 credit hours of the required listing. The remaining 5 hours are to be selected from the elective listing.

Required: (13)

TE 450G Behavior Intervention Techniques (3 credits). Spring semester and Summer.
TE 517 Development of Skills for Teaching the Mentally Retarded (3 credits). Spring semester.
TE 590 Practicum in Mental Retardation (4 credits). Each semester and Summer.

P 501 Guidance and Consulting in the Elementary and Special Classroom (3 credits). Each semester and Summer.
Electives: (5) (Only 6 credit hours of undergraduate courses in a program).

TE 422 Curriculum for the Severely Handicapped (3 credits). Fall semester.
TE 423G Teaching the Severely Handicapped (3 credits).
TE 440 Instructional Materials for the Exceptional Child (3 credits). Fall semester.
TE 461 Child Behavior in Early Childhood Education (3 credits). Spring semester.
TE 462 Curriculum in Early Childhood Education (3 credits). Fall semester.
TE 505 Individual Tests and Measurements (3 credits). Each semester.

TE 523 The Emotionally Disturbed Child in the Classroom (3 credits). Fall semester and Summer.
P 594 Physical Education in Special Education (2 credits). Summer.

MASTER OF ARTS/SCIENCE IN SECONDARY EDUCATION

General Information

A Master's degree in Secondary Education with emphasis in the subject areas of Art, Business Education, Earth Science, English, History, Mathematics and Music is presented through the Department of Teacher Education, the related subject department, and the School of Education.

Specific information appropriate to the Secondary Master's degree encompassing all areas of emphasis is as follows:

1. Each candidate is to have a subject area emphasis within a department or a combination of departments.
2. The degree will include a minimum of 27 hours plus from 3 to 6 semester hours for the culminating activity.
3. Each candidate's program shall include a minimum of 18 semester credit hours within the area of emphasis.
4. Each department will determine the nature of the culminating activity from (1) a thesis with an appropriate examination, (2) a project with an appropriate examination, or (3) 3 to 6 additional credits with an appropriate examination.
5. The candidate's committee shall consist of three members with the chairperson from the area of emphasis, one member from the Department of Teacher Education and one from any department.
6. Recommendations for admission shall come from both the School of Education and the involved department.
7. Applicants for regular status in the program must have maintained a grade point average of at least 3.00 point for the last two years of undergraduate study, or an overall grade point average of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements.

Courses in Teacher Education

Required Courses in Education

Candidates are required to complete TE 560 Core in Secondary Education, TE 563 Conflicting Values in Education, and two 1-credit courses from the listing.

TE 508 Core in Secondary Education (3 credits). Summer.
TE 563 Conflicting Values Influencing Education (1 credit). Summer.

Two 1-credit classes from the following list:

TE 564 Creative Teaching—Secondary School (1 credit).
TE 555 Interpreting Educational Research (1 credit). Summer.
TE 566 Learning Theory and Classroom Instruction (1 credit). Summer.
TE 567 Teaching Subject Content Through Reading (1 credit). Summer.
TE 568 Techniques of Classroom Management (1 credit). Summer.
TE 569 Teaching and Grading (1 credit). Summer.
TE 573 Creative Teaching—Elementary School (1 credit). Summer.

Elective Courses

With the approval of the candidates advisor, students may select additional courses from the following list as well as from the 1-credit course listing.

TE 587 Relating Reading Processes to Secondary School Subjects (3 credits). Fall semester.
TE 598 Teaching Reading in the Secondary School (3 credits). Spring semester.
TE 531 Education for the Culturally Different Learner (3 credits). Spring semester.
TE 541 Education in Emerging Nations (3 credits). Fall semester.
TE 551 Fundamentals of Educational Research for Teachers (3 credits). Fall semester.
TE 555 Supervision in Schools (3 credits). Fall and Spring semesters.
TE 559 Values and Ideology in Education (3 credits). Spring semester.
P 598 Seminar Adolescent Psychological Problems (3 credits). Fall semester, every other year.
SO 591 The Sociology of Education (3 credits). Summer.
NOTE: Candidates may select appropriate courses from the Elementary Graduate Program course listing when approved by the committee.

COURSES

PE PHYSICAL EDUCATION

TE 544 Physical Education in Special Education (2 credits). The course is designed to ac-
cquaint students with the theoretical and practical activities within the physical education
field, and to emphasize the importance of integrating individuals into the regular physical
program and to plan the remedial needs for correction. Summer.

P 501 Advanced Practices and Principles in Teaching Language Arts and Linguistics (3
credits). Emphasis will be given to the role of language arts and linguistics in the ele-
clementary school curriculum. Experiences in new instructional techniques to language
development, spelling, writing, listening-speaking skills. Summer.

Current practices and principles in modern elementary science concepts will be de-
veloped. Particular reference will be made to selecting and organizing content and
experimental activities. Fall semester.

P 517 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits).
A study of the techniques and methods applicable for use by the classroom teacher in de-
vancing the skills for working with pupils with learning difficulties will be the major
emphasis of this course. Prerequisite: TE 430 or TE 431. Fall semester.

P 516 Development of Skills for Teaching the Fast Learner (3 credits). The techniques
and methods applicable for use by the classroom teacher in developing skills for work-
ning with pupils with exceled ability will be studied. Spring semester.

P 518 Techniques for Creative Writing in Elementary Schools (3 credits). Methods and
teaching for encouraging creative writing in the elementary school. Spring semester.

P 591 Advanced Children's Literature (3 credits). A presentation of the latest in
children's literature for use in the elementary school will be made. Special emphasis
upon children's poetry will be included. Spring semester.

P 592 Educational Media (3 credits). This course will acquaint the elementary
classroom teacher with the latest educational media available for use. Evaluation of the
materials in a media center will be studied. Emphasis upon the use of a curriculum
resource center in the local school system will be made. Fall semester.

P 593 Elementary Physical Education Activities (3 credits). Methods and techniques
for classroom and playground activities for physical education curriculum development
will be presented. Emphasis upon corrective physical education procedures will be given.
Spring semester.

P 594 Individual Testing Practicum (3 credits). Emphasis in the course will be on the
techniques and procedures of administering and scoring current, standardized in-
telligence tests. In addition, both empirical studies and theoretical formulations will
be intensively surveyed as a basis for understanding and interpreting test data. Prereq-
quisites: TE 501 General Psychology. Fall semester.

P 596 Individual Testing Practicum (3 credits). A study of techniques used in analyzing the
individual with emphasis on the psychological level. The course includes observa-
tional methods, recording behavior, behavioral analysis, interviewing and use of test informa-
tion. Prerequisite: P 101 General Psychology. Fall semester.

P 598 Seminar—Adolescent Psychological Problems (3 credits). (See Secondary
courses for description.) Fall semester every other year.

TE TEACHER EDUCATION

TE 501 Advanced Practices and Principles in Teaching Reading (3 credits). The total
reading process is stressed. Areas such as readiness, grouping, methodologies, new
approaches to reading, dictionary skills, word attack skills and comprehension skills are
emphasized. Procedures of testing both standardized and informal are discussed. Each
semester and Summer.

TE 502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center
(3 credits). A study of the use of the computer in the remediation of reading problems.
Prerequisite: TE 501. Fall semester and Summer.

TE 503 Remediation of Reading Problems (Directed Experiences in the Reading Center
(3 credits). Remediation approaches and techniques for disabled readers are emphasized.
Training is fostered by tutoring a child under supervision in the Reading Center.
Prerequisites: P 326, P 327, P 328, and P 329. Spring semester.

TE 504 Seminar in Reading Education (3 credits). The significant research concerning all
phases of reading is abstracted and discussed in small group settings. Instruction in how
to read reading research is included. Instruction in reading research in reading is
developed. Prerequisite: TE 503. Fall semester and Summer.

TE 505 Individual Tests and Measurements (3 credits). An intensive investigation is pur-
sued in the field of individual testing, measurement and evaluation. Each semester.

TE 507 Relating Reading Processes to Secondary School Subjects (3 credits). This course
is designed to help secondary teachers in all academic areas who desire to develop
effective methods of utilizing the student's material and their subject content. Techniques
of vocabulary development, preparation of reading materials, comprehension,
memorization, assigning, testing, and study, and testing will be studied so that the teacher
will be able to understand students and reading material in the most efficient ways. Prereq-
usites: Graduate Status. Fall semester.

TE 508 Teaching Reading in the Secondary School (3 credits). The course is designed for
reading specialists in Junior High Schools and Senior High Schools. Specific methods
and materials of testing and instruction of students with reading problems will be em-
phasized. Various standardized and informal tests will be studied and analyzed. Several
corrective techniques will be demonstrated and analyzed. Prerequisite: Graduate Status. Spring semester.

TE 510 Advanced Practices and Principles in Teaching Social Science (3 credits). A com-
prehensive study of the practices and principles in social science education, including
objectives, social problems, attitudes, skills and values associated with the school
program materials and media, and research findings basic to social studies will be
developed. Fall semester.

TE 511 Advanced Practices and Principles in Teaching Elementary Mathematics (3
credits). A study will be made of the evaluation of materials and teaching methods
needed in providing number experiences, desirable teaching procedures, use of
materials, and research findings in mathematics. Spring semester.

GRADUATE SCHOOL

TE 512 Advanced Practices and Principles in Teaching Language Arts and Linguistics (3
credits). Emphasis will be given to the role of language arts and linguistics in the ele-
clementary school curriculum. Emphasis will be given to new instructional techniques to
language development, spelling, writing, listening-speaking skills. Summer.

Current practices and principles in modern elementary science concepts will be de-
veloped. Particular reference will be made to selecting and organizing content and
experimental activities. Fall semester.

TE 515 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits).
A study of the techniques and methods applicable for use by the classroom teacher in de-
vancing the skills for working with pupils with learning difficulties will be the major
emphasis of this course. Prerequisite: TE 430 or TE 431. Fall semester.

TE 516 Development of Skills for Teaching the Fast Learner (3 credits). The techniques
and methods applicable for use by the classroom teacher in developing skills for work-
ning with pupils with exceled ability will be studied. Spring semester.

TE 518 Techniques for Creative Writing in Elementary Schools (3 credits). Methods and
teaching for encouraging creative writing in the elementary school. Spring semester.

TE 519 Advanced Children's Literature (3 credits). A presentation of the latest in
children's literature for use in the elementary school will be made. Special emphasis
upon children's poetry will be included. Spring semester.

TE 520 Educational Media (3 credits). This course will acquaint the elementary
classroom teacher with the latest educational media available for use. Evaluation of the
materials in a media center will be studied. Emphasis upon the use of a curriculum
resource center in the local school system will be made. Fall semester.

TE 531 Education for the Culturally Different Learner (3 credits). A study of the develop-
ment of children and adolescents in different cultures in comparative relationship to
existing values, with special emphasis on the manner in which biological and
psychological factors are interpreted in accordance with prevailing values. The life
styles of various minority groups and the implications for education will be examined.
Major topics include the culturally different learner; and (1) learning styles, (2) using
media, (3) the process of change. Special emphasis will be on the various minority group
children of Idaho, including Chicanos and Indians. Extensive use will be made of
available research, and other appropriate data, and recognized resource people. Prereq-
usite: Graduate Status. Spring semester.

TE 541 Education in Emerging Nations (3 credits). The course provides an analysis of the
relationship between national and the educational systems. The course will be offered
in selected countries, including the Soviet Union, South Africa, Sweden, Japan, Mexico and China will receive major at-
tention. In light of this survey, the effectiveness of each system in relation to national
goals will provide a basis for comparison. Prerequisite: Graduate Status. Fall semester.

TE 543 Early Childhood Education Research and Review (3 credits). Small group and in-
dividual sessions will be held to assess the competencies the student needs in the com-
pletion of his or her program. There will be discussion, observations, written work, field
trips and readings. Research in Early Childhood Education will be reviewed and syn-
thesized.

TE 544 Advanced Physical and Intellectual Competencies in Early Childhood Education
(3 credits). This is designed to study the role of the teacher in the advanced physical and
intellectual competencies of young children. The teacher will demonstrate the kind of
mastery of new skills and experiences that help young children fulfill curiosity, gain
mastery, and progress toward higher levels of achievement. The teacher will design
individualized methods to help the child increase his knowledge of things in his world.

TE 545 Creativity in Early Childhood Education (3 credits). A course for early childhood
teachers seeking to explore creative teaching methods associated with creative
learning environments and techniques and strategies embracing creative and produc-
tive thinking in the classroom. Special emphasis is placed on designing usable classroom
techniques for creative teaching and on evaluating growth in creativity of children.

TE 546 Diagnosis and Evaluation in Early Childhood Education (3 credits). Emphasis will be
on the development of learning potential that is unique to each child. A round of group
patterns in all developmental areas will be presented. Practical suggestions and tech-
niques for diagnosis and evaluation of the individual child will be made.

TE 547 Language Acquisition and Development in Early Childhood Education (3 credits).
Theories and developmental curriculum approaches adapted to various learning styles
and language acquisition patterns are presented. Emphasis is placed on developing
strategies and activities to promote the acquisition of spoken and written language skills. Programs and methods to
assist children in expansion of their language skills. Focus of the course will include
children whose primary language experience is not in standard English.
to program design, facilities, staff and administration of early childhood programs.

**TE 551 Fundamentals of Educational Research for Teachers (3 credits).** The development of educational research with emphasis on the nature of scientific inquiry, basic methods of formulating a research problem and designing an experiment. Prerequisite: Graduate Status. Fall semester.

**TE 555 Supervision in Schools (3 credits).** An opportunity to provide teaching personnel who have responsibility for supervision of instruction, the latest in thinking and research about supervision. The course will be divided into three segments for implementation: (1) human skill in supervision, (2) technical skills in supervision, and (3) applied supervision practice. Prerequisite: Graduate Status. Fall and Spring semesters.

**TE 559 Values and Ideology in Education (3 credits).** Students will analyze and evaluate past and contemporary philosophic thinking as they apply to educational programs. Education, essentially, is determined by the application of three variables: the subject matter to be taught, the means by which it is taught and the atmosphere (e.g., environment) in which the teaching takes place. All of these variables are affected by the attitudes and values of individuals and groups who are instrumental in affecting programs and practice. One cannot consider, therefore, what education has been, is and is likely to become without a thoughtful, systematic study of philosophic thought bearing on the education of the young. This is the essential concern of Philosophy of Education. Prerequisite: Graduate Status. Spring semester.

**TE 560 Core in Secondary Education (3 credits).** The goal of the Core is to provide the opportunity for students to become aware of, and knowledgeable about, topical issues related to secondary education. The issues are interdisciplinary and are drawn from such areas as politics, economic theory, social trends, educational theory, and human behavior. In addition, each student is involved in the critical analysis of the issues through preparation of position papers on selected topics. Prerequisite: Graduate Status. Summer.

**TE 563 Conflicting Values Influencing Education (1 credit).** This course will analyze ideological positions which have affected educational programs and policies. Each student will be asked to carefully consider his own values and analyze how these positions affect his mode of classroom operation. Prerequisite: Graduate Status. Summer.

**TE 564 Creative Teaching—Secondary School (1 credit).** The course will explore various approaches to classroom teaching methodology and atmosphere which are innovative and creative. Each student will be given the opportunity to develop new means of teaching material selected from his own teaching field. Intensive concentration will be given to ideas which might maximize the realization of student potential on a personal basis. The course will be problem centered and since the problems will be drawn from various subject areas, the course will be interdisciplinary. Prerequisite: Graduate Status. Summer.

**TE 565 Interpreting Educational Research (1 credit).** This course will prepare students to read, understand, and critically analyze educational research in their own field. It includes basic research terminology, strengths and weaknesses in research design, and interpretation of research results. Prerequisite: Graduate Status. Summer.

**TE 566 Learning Theory and Classroom Instruction (1 credit).** This course is designed to give educators an introduction to current theories of learning and how these theories in turn prescribe the most effective ways and means of and for classroom instruction. Emphasis is on behavioralistic theory and cognitive theory — on how children learn according to psychological greats of today — Skinner, Bruner, Piaget and Gagne. The major thrust of the course is to help teachers better understand how their students learn and how to help those that falter in the learning process. In addition, different curricular designs will be examined and the learning theory they are built on reviewed. Prerequisite: Graduate Status. Summer.

**TE 567 Teaching Subject Content Through Reading (1 credit).** The course is intended to introduce a few basic concepts of reading instruction, and then applying them to classroom teaching in secondary subjects. Emphasis will be on secondary teachers, responsibility to teach their students to read their instructional materials. Specific techniques of vocabulary development, reading for comprehension, intellectual stimulation, and application will be demonstrated and then planned by the students. Prerequisite: Graduate Status. Summer.

**TE 568 Techniques of Classroom Management (1 credit).** This course focuses on an approach to classroom management which is consistent with the goals of humanistic education. The development and refinement of skills in communication and conflict resolution are emphasized as the basis for effective classroom management. Skill development will be coordinated with theoretical considerations relating to establishing and maintaining healthy and productive classroom environments. Active participation by class members will be required. Topics to be included are mutuality, listening, constructive confrontation, problem-solving alternatives, value conflicts, and modifying classroom environments. Prerequisite: Graduate Status. Summer.

**TE 569 Testing and Grading (1 credit).** This course will include an introduction to the theories and fallacies of testing. Problems and methods of teacher constructed tests will be included. The relationships between testing and grading and other forms of evaluation will be examined.

**TE 570-571 Comprehensive Core for Elementary Education (total of 6 credits).** The comprehensive core includes a number of presentations on current issues in education. Presentations are followed by discussions within small groups. A culminating activity is the development of a paper presenting the student's position or view regarding a particular issue. Summer.

**TE 572 Creative Teaching—Elementary School (1 credit).** A mini-course for elementary teachers seeking to explore factors associated with creativity, establishing creative learning environments and techniques and strategies enhancing creative and productive expression in the elementary school teaching, and on evaluating growth in creativity of children. Prerequisite: Graduate Status. Summer.

**TE 590 Practicum in Mental Retardation (4 credits).** Students enrolling in this course shall be placed in actual educational experiences with children identified as being mentally retarded. Specific needs of the individual shall dictate placement and type of experiential exposure. It is the intent of this course to develop a person with the desired skills required for teaching the mentally retarded. Each semester and Summer.

**TE 591 Project (3 credits).** Each semester and Summer.

**TE 593 Thesis (3 credits).** Each semester and Summer.

**Note:** See the listing of courses in the graduate section of the Bulletin for elective courses outside of the School of Education: Art, Business Education, English, Geology, History, Music and Sociology.
PART IX

AREA VO-TECH SCHOOL

Dean: Dr. Donald V. Healas
Assistant Dean: Glen Linder
Vocational Counselors: Callies, Quinowski, Trimble
Adult Basic Education Coordinator: Rodgers
State Fire Trainer: Tyree

OBJECTIVES OF VOCATIONAL EDUCATION
To provide the opportunity for state and local citizens to acquire the education necessary;
(a) To become employed, to succeed, and to progress in a vocational-technical field.
(b) To meet the present and anticipated needs of the local, state, and national economy for vocational-technical employees.
(c) To become contributing members of the social, civic, and industrial community.

CURRICULUM CHANGES:
Curriculum changes may be made at any time with the approval of the Curriculum Committee to meet the needs of industry.

ADMISSION REQUIREMENTS:
Application materials may be obtained from the Director of Admissions Office, Boise State University.
(a) To fully matriculate a student must have on file in the Admissions Office a completed application and $10 fee.
(b) Educational Background: Request a transcript of High School credits and, if applicable, a transcript of College credits be sent by the institution(s) directly to the Vocational-Technical School.
(c) Aptitude Test. Contact the nearest local office of the Department of Employment and request a General Aptitude Test Battery to be taken and request that the office send the results directly to the Vocational-Technical School, Boise State University, Boise, Idaho 83725.
(d) Pay $75 advance registration fee. This fee will apply on the regular registration fee.
(e) Personal Interview: A personal interview is required.
(f) High school graduation or a G.E.D. is required in some programs and preferred in the others. All non-high school graduates must be out of high school one complete semester.

ADMISSION REQUIREMENTS
Students who plan to enter the School of Vocational Technical Education, Boise State University, must complete:
1. Boise State University application - Admissions Office ($10.00 matriculation fee required).
2. Personal interview with a School of Vocational Technical Education Counselor.
3. $75.00 registration advance security deposit to the School of Vocational Technical Education. This is applied to your fees upon registration and is refundable only with justifiable cause. The deadline to apply for the refund is two weeks before classes begin.
4. The General Aptitude Test Battery (GATB) may be required.
There are a limited number of courses that can be accepted in all programs, so all Admission requirements should be completed early.

When steps 1 & 2 have been completed and you have been accepted by one of the Vocational Technical Counselors, you are eligible to pay your $75.00 Advance Deposit. You will then be issued a Permit to Register. You are not in a program until 1 through 3 are completed.

Write or call School of Vocational Technical Education 385-1431 or 385-3353 for further information.

### DEPARTMENT OF HEALTH OCCUPATIONS

**Department Head:** Bonnie J. Sumter; **Dental Assisting:** Imbs; MacInnis; **Surgical Technology:** M. Curtis, Gollick; **Practical Nursing:** Bowers, Dallas, Maitland, Towle. 

**DENTAL ASSISTANT—CURRICULUM**

9 Month Program

The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State University works with the Dental Advisory Board in planning and promoting the program and curriculum. Changes may be made at any time to take advantage of advances in the Dental profession.

Entrance requirements: High School Diploma or Equivalency Certificate, acceptable scores on the G.A.T.B., personal interview and aptitude testing. Typing is a prerequisite. The dental assistant courses are taught by dental assistant instructors and guest dental lecturers.

This is an accredited program by the Council on Dental Education. A certificate is awarded upon completion of this course.

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>CREDITS</th>
<th>COURSE No. and Title</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>DA 101-102 Dental Laboratory</td>
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<td></td>
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<td>DA 104 Dental Radiology</td>
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<td>DA 106 Dental Assisting Clinical Experience</td>
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<td>DA 108 Dental Office Management</td>
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<td>DA 109 Public Health and Dental Hygiene</td>
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<td>DA 111-112 Communication Skills</td>
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<td></td>
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<td>DA 151-152 Dental Theory</td>
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<td>DA 262 Occupational Relationships</td>
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<td></td>
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<td>CM 111 Fundamentals of Speech</td>
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<td>PE 105 First Aid (Elective)</td>
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<th>COURSES</th>
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<tbody>
<tr>
<td>DA DENTAL ASSISTING</td>
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<tr>
<td>101-102 Dental Laboratory (4-3 credits). This course consists of practical laboratory training in manipulation of dental materials, instrumentation, sterilizing and care, pouring and trimming study models, custom trays, use of equipment and safety. Taken concurrently with DA 151-152.</td>
</tr>
<tr>
<td>104 Dental Radiology (2 credits). Survey of the principles of X-ray production, radiation protection, darkroom processing, and basic intra oral radiographic procedures. This course is designed to provide dental auxiliaries the opportunity to become proficient in intra oral radiography. Taken concurrently with DA 101.</td>
</tr>
<tr>
<td>106 Dental Assisting Clinical Experience (3 credits). Supervised chairside assisting experience in the private dental offices and dental clinics.</td>
</tr>
<tr>
<td>109 Public Health and Dental Hygiene (2 credits). This course deals with phases of health in which the student can aid in conserving the general and dental health of herself, her family and the community. It is concerned with such subjects as Federal and State Health Departments, preventive dentistry, communicable disease, degenerative disease, diet and nutrition, mental health and general health information. Two clock hours per week.</td>
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</table>

ADMISSION:

Entrance requirements: High School graduation or passing the General Educational Development Test. Satisfactory scores on the General Aptitude Test Battery. These tests are given at the Department of Employment and Boise State University respectively. A complete medical and dental examination is required. A personal interview with the instructor is necessary before admission.

Classroom work includes instruction in basic sciences of anatomy and physiology, microbiology, sterilization, aseptic technique and instruction in the needs of humans in surgery, with emphasis on the surgical technician's part in meeting these needs.

Clinical experience consists of supervised hospital surgical experience in the operating room in all phases of surgery.

Refund policy — Section I of the Catalog.

**PRACTICAL NURSING PROGRAM**

12 Month Program

The practical nursing program, in cooperation with three hospitals, a Long Term Care Facility and the State Board for Vocational Education, is approximately one calendar year in length and consists of hospital 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 as Licensed Practical Nurses. The program is approved by the Idaho Board of Nursing.

ADMISSION:

Entrance requirements: High School graduation or passing the General Educational Development Test. Satisfactory scores on the General Aptitude Test Battery and a pre-entrance test, which are given by the Department of Employment and Boise State University respectively. A complete medical and dental examination is required. The selection Committee recommends to the director candidates for the program after a personal interview. 

Classroom work includes instruction in the needs of individuals in health and in sickness, with emphasis on the practical nurses' part in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions, caring for sick children, new mothers and infants, rehabilitation and remediation techniques in 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.

DEPARTMENT OF HEAVY TECHNOLOGIES

Department Head: Gary Arambarri; Air Conditioning: Tucker; Industrial Plant Maintenance: Allen; Machine Shop: Baggerly, Clarkson; Utility Lineman: Waugh; Welding: Arambarri, Baldwin, Ogden.

AIR CONDITIONING, REFRIGERATION AND HEATING

11 Month Program

The Air Conditioning, Refrigeration, and Heating curriculum offers laboratory experience, theory classes and related subjects, designed to prepare students for entry level jobs.

Emphasis will be on the servicing of commercial equipment and will cover all phases of knowledge necessary to repair the equipment.

The student will learn to work with tools and equipment with emphasis on safety at all times.

Credits in this program are not counted toward an academic degree.

<table>
<thead>
<tr>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>Air Conditioning Lab</td>
<td>10</td>
<td>10</td>
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<tr>
<td>Air Conditioning Theory</td>
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<tr>
<td>Occupational Relationships</td>
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</table>

COURSES

RH AIR CONDITIONING, REFRIGERATION, AND HEATING

121-122-123 Air Conditioning, Refrigeration, and Heating Laboratory (10-10-10 credits). These courses provide the laboratory application of principles covered in the Theory class. Skills will be developed and practice will be given in these skills which will be needed by the service person. Different phases of air conditioning, refrigeration, and heating will be covered. 25 hours per week.

141-142-143 Air Conditioning, Refrigeration, and Heating Theory (5-5-5 credits). This course provides a basic understanding of the equipment and tools used on commercial equipment. Emphasis is on causes of breaks down and the making of necessary repairs. Test equipment use and inspection of components such as relays, thermostats, motors and refrigerant lines are studied. 10 clock hours per week.

282 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of the trainee, worker, citizen, and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a two semester, credit course designed to maximize personal involvement.

MECHANICAL PLANT MAINTENANCE

9 Month Program

The Mechanical Plant Maintenance curriculum will provide the student with laboratory experience, practical theory, and related instruction. These courses include mathematics, basic electricity, blueprint reading, hydraulics, pneumatics, welding, machine tool procedures and troubleshooting.

Preventive maintenance and job safety will be stressed. Emphasis will be on obtaining beginning skills necessary to prepare students for entry level jobs in the expanding maintenance field.

Credits in this course of study are not counted toward an academic degree.

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<thead>
<tr>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Mechanical Maintenance Lab</td>
<td>10</td>
<td>10</td>
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<tr>
<td>Mechanical Maintenance Theory</td>
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<td>5</td>
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<tr>
<td>Occupational Relationships</td>
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</table>
VOCA TIONAL-TECHNICAL SCHOOL

ELECTRICAL LINEMAN
11 Month Program

The Electrical Lineman curriculum provides the student with both field training and practical theory in all phases of power line installation and maintenance. The program is designed to produce a skilled apprentice lineman. In addition, the student will earn a completion card in the American Red Cross multi-media First Aid Course.

In the laboratory the student will work on real equipment such as transformers. In the field he will perform underground, overhead distribution, and construction and maintenance. The student will learn to work with all necessary tools and equipment of his craft with emphasis on safety at all times.

Credits in this course of study are not counted toward an academic degree.

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<tr>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>EL-101-102-103 Lineman Lab.</td>
<td>10</td>
<td>10</td>
<td>10</td>
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<tr>
<td>EL-151-152-153 Lineman Theory</td>
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<tr>
<td>EL-262 Occupational Relationships</td>
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WELDING
11 Month Program

The welding program curriculum provides the student with lab training and related theory in shielded metal arc welding (SMAW), oxygen-acylene (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen-acylene cutting of ferrous metals, plasma-arc cutting of non-ferrous metals, and the use of carbon arc cutting equipment. The first 9 months would be basic to intermediate welding. The summer session would be a two-track system. First, this would permit students who need more time to satisfy requirements on performance based objectives for the basic portion of the program; and, second, to permit the advanced students to further their skills, concentrating in the more technical areas.

The program is designed to produce skilled workers in the areas of welding and blueprint interpretation as well as layout and fitting skills. The student will do all lab work on performance based objectives. The student will learn to work with all tools and equipment in his trade with emphasis on safety at all times. This program is open exit after 9 months.

<table>
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<tr>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>W-101-102-103 Lab.</td>
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<tr>
<td>W-151-152-153 Theory</td>
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<tr>
<td>W-121-122-123 Blueprint Reading</td>
<td>3</td>
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<tr>
<td>W-111 Comm. Skills</td>
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<tr>
<td>W-262 Oc. Relations</td>
<td>16</td>
<td>17</td>
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DEPARTMENT OF LIGHT TECHNOLOGIES

Department Head: Donald S. Jones, Electronic-Mechanical Service Technician; Keese, Drafting: Chandler, Leigh, Watts, Weston, Olson; Electronics: Macken, LaRue, Jennings, Dodson; Wastewater Technology: J. Felton; Business Machine Tech.

ELECTRONIC-MECHANICAL SERVICE TECHNICIAN

The Electronic Mechanical Service Technical program provides training for the individual that wishes to repair electronic or mechanical devices. The emphasis in this program is how to repair and very little on the mathematical or theoretical approach. Students entering into this program have two options open to them before graduation. At the end of the freshman year they may choose Consumer Electronics or Business Machine Technician. During the sophomore year, the student will specialize in one of these two fields.

Students graduating from either field will receive an Associate of Applied Science degree. Credits in this curricula are generally not transferable toward an academic degree.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>COURSES</th>
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<tbody>
<tr>
<td>ES 101-102 Mechanical Lab</td>
</tr>
<tr>
<td>ES 103-104 Electronics Lab</td>
</tr>
<tr>
<td>ES 113 Customer Relations</td>
</tr>
<tr>
<td>ES 132 Small Business Math</td>
</tr>
<tr>
<td>ES 151-152 Mechanical Theory</td>
</tr>
<tr>
<td>ES 153-154 Electronic Theory</td>
</tr>
<tr>
<td>MM 213 Credits &amp; Collections</td>
</tr>
<tr>
<td>ES 130 Related Electronic Math</td>
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</tbody>
</table>

CONSUMER ELECTRONICS (OPTION)

<table>
<thead>
<tr>
<th>COURSES</th>
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<tbody>
<tr>
<td>ES 203-204 Electronics Lab</td>
</tr>
<tr>
<td>ES 253-254 Applied Theory &amp; Shop Mgmt.</td>
</tr>
<tr>
<td>ES 271-272 Digital Electronics</td>
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</tbody>
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SOPHOMORE YEAR:

<table>
<thead>
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<th>COURSES</th>
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<tbody>
<tr>
<td>ES CONSUMER ELECTRONICS</td>
</tr>
<tr>
<td>ES 101-102 Mechanical Lab (4 credits). These courses deal with the adjustment and repair of mechanisms (10 clock hours per week).</td>
</tr>
<tr>
<td>ES 103-104 Electronics Lab (2 credits). Deals with the use of electronic test equipment and the testing of circuits developed for the understanding of theory. (5 clock hours per week).</td>
</tr>
<tr>
<td>ES 113 Customer Relations (2 credits). Directed toward the tact and methods necessary to communicate with the public. (2 clock hours per week).</td>
</tr>
<tr>
<td>ES 130 Related Electronic Math (3 credits). Basic mathematics through Algebra required to understand the electronic theory. (3 clock hours per week).</td>
</tr>
</tbody>
</table>
132 Small Business Math (3 credits). The math and record keeping necessary to run a small business. (3 clock hours per week).

151-152 Mechanical Theory (2 credits). This theory is taught in conjunction with the mechanical lab and for the most part as needed during that lab. (5 clock hours per week).

153-154 Electronic Theory (3 credits). These courses are the basic theory of R.C.L. and diode inactive circuits and transistor vacuum tube and IC active circuits. (5 clock hours per week).

203-204 Electronics Lab (11 credits). These courses will be the actual repair of any domestic electronic equipment (25 clock hours per week).

253-254 Applied Theory and Shop Management (3 credits). This course is designed to be conducted within the lab situation and at any time a question of common interest to the entire class should arise (3 clock hours per week).

271-272 Digital Electronics (3 credits). This course is a study of all the logic gates and their trouble shooting techniques (3 clock hours per week).

BUSINESS MACHINE TECHNOLOGY (OPTION)

The course and outline in Business Machine Technology has been developed to give the student of the course enough basic knowledge to be productive and able to perform the average job without any "additional training. He will be qualified to make maintenance contract inspections, make proper mechanical adjustments and do general shop work. He will also be in a position to receive on-the-job training by his employer to become a highly specialized technician. He will be trained in Basic Electronics, testing procedures, and maintenance techniques for manual, electric, and electronic business machines. Prerequisite: Electronic-Mechanical Service Technician one year Freshman course.

SOPHOMORE YEAR:

1ST SEM. 2ND SEM.
BM 201-202 Adv. Business 7 7
Machine Lab 7 7
ES 271-272 Digital Electronics 3 3
Total: 16 16

COURSES

BM BUSINESS MACHINE TECHNOLOGY

201-202 Adv. Business Machine Laboratory (7 credits). A self-paced workshop where student is able to practice concepts taught in ES 251-252 with special emphasis on trouble-shooting, adjustments, quality control, and the use of special test equipment, including multimeters and oscilloscopes. (18 hours per week). Prerequisite: ES 101-102.

251-252 Adv. Business Machine Theory (6 credits). This is a hands on type theory course in which the student is taught basic concepts of Business Machines including: adders, calculators, copy machines, electronic business machines and duplicator processes with trouble-shooting techniques. Also taught are shop management and related setting techniques. (10 clock hours per week). Prerequisite: ES 151-152.

PRE-TECHNICAL SEQUENCE

This is a one-semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed necessary to compete, complete and succeed in a regular vocational-technical curriculum, and is offered as a refresher course for those students who have had an excessive period of time elapse since their last formal schooling.

CREDIT HOURS PER WEEK

<table>
<thead>
<tr>
<th>COURSE</th>
<th>EQUIV.</th>
<th>PER WEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-010 Blue Print Reading and Basic</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PT-020 Intro. to Tech. Communications</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>PT-030 Intro. to Tech. Mathematics</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>PT-040 Science Survey</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>PT-050 Technical Orientation</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>25</td>
</tr>
</tbody>
</table>

The above non-credit courses are open to all students entering the technical programs in Boise State University.

The above sequence is offered every semester, as student pressure demands and will allow admittance in the spring as well as the fall semester.

COURSES

PT PRE-TECHNICAL

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
<th>HOURS PER WEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>010 Blueprint Reading and Basic Mechanical Drawing</td>
<td>3</td>
<td>10</td>
</tr>
</tbody>
</table>

VOCATIONAL-TECHNICAL SCHOOL

028 Introduction to Technical Communications (3 credit equiv.) A survey course of communication systems, use of technical libraries, forms, reports and technical language, word usage, spelling and proper form. Five hours per week-lecture.

034 Introduction to Technical Mathematics (4 credits equiv.) Survey and review of mathematical principles and methods. Uses of mathematics in technical fields with practical examples of application. Five hours per week-lecture.

048 Science Survey (4 credit equiv.) Review of science as related to technical industry with practical problems and applied solutions. Five hours per week-lecture.

059 Technical Orientation (1 credit equiv.) A survey course of the technical industry with several field trips and visits from representatives from various concerns that employ technicians. Three hours per week-lecture.

DRAFTING TECHNOLOGY

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well trained in the necessary basic skills and knowledge of drafting. The student is required to develop and maintain the same standards and techniques used in firms or agencies that employ draftsmen. Credits in this course of study are not counted toward an academic degree. Drafting Technology curriculum is open to both male and female students. All courses are taught each semester, so that students may enter at the beginning of any regular semester.

First Semester

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 101 Drafting Lab and Lecture</td>
<td>4</td>
</tr>
<tr>
<td>DT 111 Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>DT 131 Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>DT 141 Sciences</td>
<td>3</td>
</tr>
<tr>
<td>DT 153 Manufacturing Processes</td>
<td>2</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 102 Drafting Lab and Lecture</td>
<td>4</td>
</tr>
<tr>
<td>DT 113 Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>DT 122 Introduction to Surveying</td>
<td>4</td>
</tr>
<tr>
<td>DT 132 Math</td>
<td>3</td>
</tr>
<tr>
<td>DT 134 Science</td>
<td>3</td>
</tr>
<tr>
<td>DT 172 Construction Codes</td>
<td>2</td>
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</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>DT 201 Drafting Lab and Lecture</td>
<td>4</td>
</tr>
<tr>
<td>DT 221 Descriptive Geometry</td>
<td>3</td>
</tr>
<tr>
<td>DT 231 Applied Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>DT 241 Statics or DT 242 Strength of Materials</td>
<td>4</td>
</tr>
<tr>
<td>DT 253 Design Orientation</td>
<td>2</td>
</tr>
<tr>
<td>DT 262 Occupational Relationships</td>
<td>2</td>
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</tbody>
</table>

Fourth Semester

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 202 Drafting Lab and Lecture</td>
<td>4</td>
</tr>
<tr>
<td>DT 222 Technical Report Writing</td>
<td>2</td>
</tr>
<tr>
<td>DT 232 Applied Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>DT 242 Strength of Materials or DT 241 Statics</td>
<td>4</td>
</tr>
<tr>
<td>&quot;DT 263 Specialized Graphics</td>
<td>2</td>
</tr>
</tbody>
</table>

or approved elective

COURSES

 DT DRAFTING TECHNOLOGY

101 Drafting Laboratory and Lecture (4 credits). Mechanical Drafting with basic drafting techniques, standards, and methods. 15 clock hours per week.

102 Drafting Laboratory and Lecture (4 credits). Architectural drafting with tension compression and bending, introduction to limited structural design, 15 clock hours per week. Prerequisite: DT 101.

111, 112 Communication Skills (3 credits). To manage symbols and discover meaning, candidly, clearly and exactly is the performance objective of Communication Skills. As trame, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a two semester, credit course designed to maximize personal development.

122 Surveying (3 credits). Introduction to surveying, methods and computations. Required field work, with emphasis on compiling data and office computation. 4 clock hours per week. Prerequisite or corequisite with DT 132.5

131 Mathematics (5 credits). Fundamentals of algebra with an introduction to trigonometry and the use of calculators. Prerequisite: satisfactory grade in high school algebra or equivalent. Five clock hours per week.

132 Mathematics (4 credits). Advanced algebra and trigonometry, closely integrated with drafting, surveying and science. Prerequisite: DT 131 or equivalent. Four clock hours per week.

141 Applied Physics (3 credits). A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids.

142 Applied Physics (3 credits). Course in the basic principles of heat, sound, light, electricity, and magnetism, correlated with technical mathematics DT-132. Four clock hours per week. Prerequisite: DT-141.

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VOCATIONAL-TECHNICAL SCHOOL


172 Construction Codes (2 credits). Introduction to National and Local building, electrical, plumbing and fire codes, as pertaining to residential and light commercial building, construction. Emphasis on FHA, VA and conventional standard requirements. 2 clock hours per week each semester. (Open to non-drafting technology majors - space permitting)

201 Drafting Laboratory and Lecture (4 credits). Civil drafting, mapping, highway curves, and earthwork. Fifteen clock hours per week. Prerequisite: DT 122, DT 132, DT 102.

202 Drafting Laboratory and Lecture (4 credits). Structural drafting terminology, structural and reinforcing steel specifications and drawing practice. Prerequisite: DT 201, DT 221. Fifteen clock hours per week.

221 Descriptive Geometry and Development (3 credits). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting application. Four clock hours per week.

222 Technical Report Writing (2 credits). A course to provide an understanding and practice in the processes involved in technical writing and methods of preparing report based on problems related to the student's curriculum. Two clock hours per week.

221 Applied Mathematics (3 credits). Solution of practical problems involving concepts from DT 131 and DT 132 Math. Prerequisite: DT 132. Four clock hours per week.

222 Applied Mathematics (3 credits). Prerequisite: DT 231. Four clock hours per week. Application and expansion of mathematics, statics and strength of materials. Related to lab projects.

241 Statics (4 credits). Introductory course in statics with emphasis on analysis of simple structures. Four clock hours per week. Prerequisite: DT 132.


261 Graphics I (2 credits). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. 2 clock hours per week. Each semester. (Open to non-drafting technology majors - space permitting)


263 Specialized Graphics (2 credits). An intensive study of perspective and rendering as used in industrial illustration, architectural rendering and civil engineering graphics. Lecture-laboratory 3 clock hours per week. Prerequisite: DT 261 Graphics I. (Open to non-drafting technology majors - space permitting)

282 Digital Systems Design (3 credits). Concepts of boolean algebra, logic components and combinational and sequential circuit analysis and synthesis; number systems. Spring semester only. Prerequisite: ET 271 and consent of instructor. 3 clock hours per week.

101 Wastewater Lab I (10 credits). Consists of trips to the various types of wastewater treatment facilities as an introduction to the many varying processes within the industry. Upon completion of various process units visits to the plants will be made on just that unit. Mechanically related lab along with the necessary sanitary chemistry lab will be performed. Twenty clock hours per week.

102 Wastewater Lab II (10 credits). Student assignments to a local wastewater facility for one to two days per week will consist of hands on day-to-day operation of a wastewater treatment plant including hands-on training.
DEPARTMENT OF
MECHANICAL TECHNOLOGIES

Department Head: Max Lamborn; Auto Body: B. Curtis; Automotive Mechanics: Campbell, King, Mikesell; Heavy Duty Mechanics: Brownfield, Tillman; Parts Counterman: Lamborn; Small Engine Repair: Schroeder.

AUTO BODY
11 Month Program

The Auto Body curriculum is designed to provide the student with the background necessary for employment in a shop repairing damaged automobiles. Basic laboratory practices of restoring vehicles to their original design, structure and finish are covered in this course. Some basic glasswork and frame alignment work are also covered. The student is given the opportunity to work on a variety of repair jobs in the shop. This training provides students with the necessary skills and knowledge for employment in the Auto Body Trade and closely allied crafts. Credits for this course of study are not counted toward an academic degree.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 121-122-123 Auto Body Lab</td>
<td>10</td>
<td>10</td>
<td>7</td>
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</tr>
<tr>
<td>AB 141-142-143 Auto Body Theory</td>
<td>7</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>AB 262 Occupational Relationships</td>
<td>17</td>
<td>17</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

COURSES

AB AUTO BODY

121-122-123 Auto Body Laboratory (10-10-10 credits). The purpose of these courses is to develop and give practice in the skills needed by an auto body repairman. Subjects covered include the following: painting, sanding, masking, body repair, use of hand tools, oxy-acetylene welding, painting fundamentals, metal working and shrinking, plastic and lead body filling, advanced painting processes, frame alignment, glass and panel replacement. Twenty-five hours labor per week.

141-142-143 Auto Body Theory (7-5-5 credits). This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science necessary for and related to the trade are taught. Ten hours lecture Summer and Fall. Eight hours lecture Spring per week.


AUTOMOTIVE MECHANICS
11 Month Program

The Automotive Mechanics program consists of 11 months of instruction. Specially areas within the program may be taken after testing and approval by instructor.

<table>
<thead>
<tr>
<th>COURSES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM 100 Basic Automotive Mechanics</td>
<td>8</td>
</tr>
<tr>
<td>AM 101 Electrical Systems and Fuel Systems</td>
<td>6</td>
</tr>
<tr>
<td>AM 102 Engines, Air Conditioning, and Steering</td>
<td>8</td>
</tr>
<tr>
<td>AM 103 Power Trains, Automatic Transmissions and Brakes</td>
<td>8</td>
</tr>
<tr>
<td>AM 104 Advanced Auto Mechanics</td>
<td>8</td>
</tr>
<tr>
<td>AB 262 Occupational Relationships</td>
<td>2</td>
</tr>
</tbody>
</table>

VOCATIONAL-TECHNICAL SCHOOL

COURSES

BASIC AUTOMOTIVE MECHANICS

AM 100 Basic Automotive Mechanics (8 credits). Consists of orientation of the University, the Area Vo-Tech School, and the automotive industry. It covers mathematics of the trade, safety practices, use and care of tools, introduction to automotive chemicals and fasteners, the scientific principles of machines, electricity, heat engines, hydraulic systems and gear systems. These principles are applied to the theory and construction of engines, electrical components, fuel system components, drive trains, suspensions and brakes. Students must satisfactorily complete all theory and laboratory assignments and pass a final examination to progress to Intermediate Auto Mechanics. Beginning students may enter directly into Intermediate Auto Mechanics by passing the AM 100 challenge examination and being recommended by the Program Head. Course consists of approximately 40 hours lecture and 15 hours laboratory work.

INTERMEDIATE AUTOMOTIVE MECHANICS

In Intermediate Auto Mechanics students learn construction and repair procedures for automobile components using live cars and mock-ups. Emphasis is placed on using tools and test instruments properly. Completion of all classroom and lab assignments are required before progressing to Advanced Auto Mechanics. Basic Auto Mechanics is a prerequisite to Intermediate Auto Mechanics.

AM 101 Electrical Systems and Fuel Systems (6 credits). Theory and construction of electrical components and fuel components used on modern cars. Diagnosis and repair using latest equipment is stressed. Course also stresses industry accepted procedures for tune-up work. Approximately 10 hours lecture and 15 hours laboratory per week.

AM 102 Engines, Air Conditioning, and Steering (8 credits). This course covers engine repair procedures on live engine and engine components. It presents theory and service procedures for automotive air conditioning. Also covered are front suspension repair and alignment. Approximately 10 hours lecture and 15 hours laboratory per week.

AM 103 Power Trains, Automatic Transmissions and Brakes (8 credits). Includes construction and repair of clutches, standard transmissions, propeller shafts, differentials and related equipment. Also included is the theory of operation of popular automatic transmissions and repair, and testing of automatic transmissions and repair of both disc and drum brakes. Approximately 10 hours lecture and 25 hours laboratory per week.

AM 262 Occupational Relationships (2 credits). Includes techniques in obtaining employment, relationship with employers and fellow workers, resolution of human relations problems, communication techniques for telephone answering, letter writing, preparation of job reports, repair orders, invoices, etc. Satisfactory completion of this course is required for graduation from the Auto Mechanics Program.

ADVANCED AUTOMOTIVE MECHANICS

AM 104 Advanced Auto Mechanics (8 credits). Students diagnose and repair autos under actual shop working conditions. Live problems are encountered in autos provided by faculty, staff and others. Students encounter the problems of making repair orders, customer relations, service sales, work routing, and shop management. Students may designate an area of special interest and be guided to a specialty. After completing course objectives a student may finish the requirements for graduation by employment in an approved shop serving the automotive trade with his/her instructors permission. Graduation will then be based on that student's job performance.

HEAVY DUTY MECHANICS—DIESEL
11 Month Program

This program is designed to prepare students for employment as heavy duty mechanics in the trucking industry. Instruction will cover basics in design and fundamentals of operation of diesel and heavy duty gasoline engines as well as the other component parts of the truck. Instruction will be on mock-ups and live work in the shop.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 101-102-103 Diesel Lab</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>DM 151-152-153 Diesel Theory</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>DM 262 Occupational Relationships</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

COURSES

DM HEAVY DUTY MECHANICS—DIESEL

191-102-103 Diesel Laboratory (10-10-10 credits). This course provides the laboratory application of principles covered in the theory class. Basic instruction will be on mock-ups, generating charts, sketching, shop measurements, and shop units but most experience will be in making actual repairs to live units.

151-152-153 Diesel Theory (5-5-5 credits). A study of the design, construction, maintenance and repair of trucks and diesel and heavy duty gasoline engines. Shop safety, the use of tools, basic weight and measuring instruments, and shop units but most experience will be in making actual repairs to live units.


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VOCATIONAL-TECHNICAL SCHOOL

PARTS COUNTERMAN
9 Month Program

The Counterman Program is designed to familiarize the student with all phases of the Automotive parts business. A study of index systems, types of invoices, customer relations, refunding, refunding procedures and warranty adjustments will be covered. Emphasis and training on the use of catalogs, price sheets, and other related forms used in the parts industry are considered.

SUBJECT | CREDITS
--- | ---
Course No. and Title | Fall | Spring
PC 101-102 Parts Counterman Lab | 10 | 10
PC 151-152 Parts Counterman Theory | 5 | 5
PC 131 Related Basic Mathematics | 2 | —
PC 262 Occupational Relationships | 17 | 17

COURSES

PC PARTS COUNTERMAN

131 Related Basic Mathematics (2 credits). Basic arithmetic and a study of fractions, decimals and percentages are covered. Micrometer readings to ten one-thousandths of an inch are taught. The different types of discounting are fully covered.

131-132 Automotive Parts Theory (5 credits). Through the use of catalogs, manuals, visual aids and class lectures, theory and application of procedures are taught. New methods such as microfilm readers are used in the theory portion of the class.


SMALL ENGINE REPAIR
(Recreational Vehicles) 9 months

The Small Engine Program will include classroom, math, and shop experiences concerned with maintaining and repairing a variety of two cycle and four cycle engines used on portable power equipment, e.g., lawnmowers, outboard motors, chain saws, rotary tillers and recreational vehicles. Training will emphasize the complete repair of all types of small engine equipment.

Credit in this course of study is not counted toward an academic degree.

SUBJECT | CREDITS
--- | ---
Course No. and Title | Fall | Spring
SE 101-102 SE Lab | 14 | 14
SE 141-142 SE Theory | 2 | 2
SE 262 Occupational Relationships | — | 16

COURSES

SE SMALL ENGINE REPAIR

101 Small Engine Laboratory (14 credits). This course will include application and instruction in the repair and overhaul of small engine units with emphasis on lawn and garden equipment. Twenty-five clock hours per week.

102 Small Engine Laboratory (14 credits). The repair and maintenance of recreational vehicles such as motorcycles, snowmobiles, and outboard marine engines is emphasized. Twenty-five clock hours per week.

141 Small Engine Theory (2 credits). This course provides a basic understanding of the internal combustion engine and the application of principles to two and four cycle engines. Fundamentals in carburetors, electrical and basic circuitry is covered. Eight clock hours per week.

142 Small Engine Theory (2 credits). This course includes instruction on the repair and maintenance of power train, auxiliary clutching, trouble shooting, fuels, exhaust and engine tune-up. It includes the theory of marine engines and chain saws. Eight clock hours per week.


DEPARTMENT OF SERVICE OCCUPATIONS

Department Head: Joan Lingenfelter; Child Care: Lingenfelter, Gourley; Food Service: Holt, Brown, Schaeffer; Horticulture: Griffin, Oyler; Mid-Management: Knowlton, Lane, Scudder; Office Occupations: Metzgar, Trumbo, McDonough.

CHIL CARE STUDIES (Supervisor)

This curriculum is planned for people interested in working as a supervisor in private day care centers, play grounds, camps, nurseries, kindergartens, and child development centers.

DAY CARE SUPERVISOR
(18 Month Program)

The graduate will assist with or operate a day care center which provides for physical care, emotional support and social development in children in groups.

This two year course will provide students with the opportunity to direct children's play, provide food, supervise workers, and manage resources in a nursery school setting. Completion of the program defined as Child Care Assistant is a prerequisite to the supervisor level program.

DAY CARE ASSISTANT:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC-101 Introduction to Child Development</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>CC-151 Introduction to Child Development</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>CC-111 Communication Skills</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>CC-141 Health and Care of the Young Child</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>CC-171-172 Curriculum of the Young Child</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CC-181-182 Child Care Laboratory</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CC-125-126 Contracted Field Experiences in Early Childhood Programs</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CC-135-136 Planning and Evaluation of Laboratory Exper</td>
<td>2</td>
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</table>

DAY CARE TEACHER/SUPERVISOR:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC-251-254 Advanced Child Care</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CC-251-252 Child Care Center Management</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>CC-252 Family and Community Involvement with Children</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>CC-261 Occupational Relationships</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>CC-241-242 Feeding Children</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CC-201-202 Child Care Center Supervision</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CC-225-226 Contracted Practicum in Early Childhood Supervision</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>CC-235-236 Planning and Evaluations of Child Care Center supervision</td>
<td>1</td>
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</tr>
</tbody>
</table>

CC CHILD CARE

101 Introduction to Child Development (3 credits). A beginning study of child growth and development, the individual needs of children, and an understanding of the methods of guidance and discipline for preschool children.

111 Communication Skills (3 credits). To manage symbols and discover meaning, can- didly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a course designed to maximize personal involvement.

125-126 Contracted Field Experience in Early Childhood Programs (1-1 credits). Individual contract arrangement involving student, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

152
FOOD SERVICE TECHNOLOGY PROGRAM

The Food Service Technology curriculum is designed to meet the needs of students to progress from one level of employment to another depending on the individual progress of the student. The approximate length of the program is eleven (11) months. The following options are available:

1. Dishwasher, Bus Person
2. Cook's Helper
3. Cook

The theory and laboratory instruction will instruct students in food preparation and techniques which will develop an understanding of the basic principles of cookery; skill and efficiency in the preparation of foods; an appreciation of high standards of production; efficient use of time, and attractive, sanitary service of foods; an understanding for the care and safe use of utensils and equipment; harmonious and cooperative working habits; and to introduce the student to the use of large quantity equipment and to develop an understanding of the basic principles of cookery and also to gain knowledge of foods and their uses.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course No. and Title</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Service Laboratory Service Lab.</td>
<td>FT-103-104-105</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Food Service Theory</td>
<td>FT-143-144-145</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Occupational Relationships</td>
<td>FT-262</td>
<td>15</td>
<td>17</td>
<td>15</td>
</tr>
</tbody>
</table>

COURSES

FT FOOD SERVICE TECHNOLOGY

183-184-185 Food Service Lab (10-10-10 credits). Food preparation laboratory is designed to correlate the theory with actual large quantity food service practice in situations such as would be found in the food service industry. (25 clock hours per week).

143-144-145 Food Service Theory (5-5-5 credits). This course will provide the theory necessary to train a food service worker and will develop an understanding of such principles as fundamental operations of arithmetic, basic nutrition, purchasing, storage and handling, safety and sanitation, handling of prepared foods, bus and set tables, wait on tables, dining room etiquette and dishwashing. (10 clock hours per week).


HORTICULTURE SERVICE TECHNICIAN—CURRICULUM (Landscape Construction and Maintenance)

The landscape construction and maintenance curriculum has for its objective the preparation of students for employment in the landscape nursery and greenhouse industries. The course includes both the production, sales and service areas of these major fields. The training stresses the design of landscapes, their interpretation and construction including costs, but the production of nursery plants, plant propagation, the design of landscapes, and landscape planting is also covered. Graduates of the horticulture curriculum qualify for positions in nursery and floral establishments as well as in parks, grounds 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. Credits in this course of study are not counted towards an academic degree.

1ST SEM. 2ND SEM.

HO 101-102 Horticulture Laboratory ................................................. 5 5
HO 111-112 Communication Skills .................................................... 3 3
HO 131-132 Related Basic Mathematics ............................................. 3 3
HO 141-142 Related Basic Science ................................................... 2 2
HO 151-152 Horticulture Theory ...................................................... 5 5

18 18

1ST SEM. 2ND SEM.

SOPHOMORE YEAR:

MM 213 Credits and Collections ..................................................... 3 3
MM 101 Salesmanship ........................................................................... 17 17
153
COURSES

HO HORTICULTURE SERVICE TECHNICIAN

101 Horticulture Laboratory (5 credits). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include: exploring occupational opportunities; identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classifications and botanical structures of plants; climatic and other factors limiting growth; soils; and soil amendments. Fifteen clock hours per week.

102 Horticulture Laboratory (5 credits). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include methods of plant propagation; construction of growing containers and houses; arrangements and implementation of online greenhouse operation; the use of insecticides; pesticides, etc., and precautions necessary during use.

111-112 Communication Skills (3 credits). To manage symbols and discover meaning candidly, clearly, and exactly is the performance objective of Communication Skills. As a trainee, worker, citizen and human being, regardless of preparation and background; each student is given the opportunity to develop skills through practical work-related projects to identify and resolve communication issues relevant to his own need and career. This is a two semester, credit course designed to maximize personal involvement.

131-132 Related Basic Mathematics (3 credits). First semester — developing comprehension of the basic principles of mathematics. Specific areas include addition, subtraction, multiplication, division, fractions, denominators, square root, mensuration. Second semester — developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered to include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc. Three clock hours per week.

141-142 Related Basic Science (2 credits). First semester — developing comprehension of the scientific principles utilized in: (1) plant identification, (2) plant growth and development, (3) limiting factors, (4) soils. Second semester — developing comprehension of the scientific principles utilized in developments which aid plant propagation, construction materials, insecticides, pesticides. Two clock hours per week.

151-152 Horticulture Theory (5 credits). First semester — developing comprehension, analysis and evaluation of the following: (1) introduction into the field of horticulture, (2) plant classification and growth, (3) relationships among workers and supervisors, (4) soil and soil amendments. Second semester — developing comprehension, analysis, and evaluation of the following: plant propagation; growing containers; insect and disease control. Seven clock hours per week.

201 Horticulture Laboratory (5 credits). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, making concrete, block, brick, stone and wood structures, growing greenhouse crops, and basic first aid. Fifteen clock hours per week.

202 Horticulture Laboratory (5 credits). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, making concrete block, brick, stone and wood structures, growing greenhouse crops, and basic first aid. Fifteen clock hours per week.

241 Related Science (2 credits). Developing comprehension of the scientific principles utilized in: (1) power equipment, (2) lawn and shrub maintenance; and (3) plant wounds.

242 Related Science (2 credits). Developing comprehension of the scientific principles utilized in: (1) power equipment, (2) lawn and shrub maintenance; and (3) plant wounds.

251 Horticulture Theory (5 credits). Developing comprehension, analysis, and evaluation of the following: (1) various types of construction common to plant growing; i.e., greenhouses, cold frames, hot in hot hoth; propagators, germinators, etc.; (2) materials of construction, i.e., concrete, mortar, block, brick, stone, wood, etc.; (3) greenhouse crops; (4) first aid. Seven clock hours per week.

252 Horticulture Theory (5 credits). Developing comprehension, analysis, and evaluation of the following: (1) power machines as used in horticulture, i.e., mowers, tillers, saws, shredders, aerifiers, sod cutters, pesticide applications, etc.; (2) turf, shrub, and tree management procedure; (3) prevention and treatment of plant wounds. Seven clock hours per week.


271 Individual Projects (3 credits). Providing the opportunity for the subject to apply all his prior education in planning, developing, and completing a unique, practical horticulture project.

FASHION MERCHANDISING

— MIDD-MANAGEMENT

FRESHMAN YEAR:

<table>
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<th>COURSE</th>
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<td>Salesmanship</td>
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<td>Clothing</td>
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<td>Business Math/Machines</td>
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<td>Mid-Management Work Experience</td>
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MARKETING—MIDD-MANAGEMENT

COURSES

FRESHMAN YEAR:

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<tr>
<td>Merchandise Analysis</td>
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<td>Mid-Management Work Experience</td>
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<tr>
<td>Elements of Management</td>
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<td>Professional Speech Communication</td>
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</table>

MM MARKETING, MIDD-MANAGEMENT

OFFICE OCCUPATIONS

The Office Occupations curriculum is designed to prepare an individual to perform all of the duties that might be expected of an entry-level office employee in a typical, modern business office.

It is designed to prepare students for employment in office work whether in private business or federal and state government, in the three major areas of office work: clerk-typist, clerk-general office, or secretary.

Training as a clerk-typist will prepare students for such job positions as: File Clerk, Stock Clerk, Billing Clerk, Receptionist, Clerk Typist, Word-Processing Typist.

Training as a clerk-general office will prepare students for such job positions as: All those listed under Clerk Typist and in addition Accounts Receivable Clerk, Accounts Payable Clerk, Payroll Clerk, Full-charge Bookkeeper.

Training as a secretary prepares a student for such job positions as: Word Processor, Stenographer, Beginning Secretary, as well as all those listed under clerk-general office.

The student may choose one of the three major areas of training for his/her goal. At the completion of training the student may qualify for the most difficult occupation in the training area or for one or more of the occupations listed. A Certificate of Achievement is issued upon successful completion of this program.

Entrance requirements: All Boise State University admission requirements must be met. A personal interview is required by a vocational counselor at the School of Vocational Technical Education before admission.
Classroom work includes instruction in typewriting, shorthand, business communications, business mathematics and machines, word processing, filing, accounts receivable, accounts payable, bookkeeping, payroll accounting, office practice, vocabulary and spelling, employment search. There are various levels of these courses available. The student may be a beginner or an advanced clerical trainee; therefore, there will be a variation of training time. The course curriculum is selected to meet the requirements of the individual's goals and abilities.

PRE- VOCATIONAL TRAINING

Pre-vocational education for vocational students or adults who have not completed high school is offered through the Vocational Technical School. The courses include adult basic education, preparation for the high school equivalency certificate, adult guided studies, and approved high school courses in American Government, Mathematics, English, Social Studies and Natural Science. Classes are approved by the State of Idaho and for veterans qualifying under Chapter 34, Title 38, U.S.C. (Var 14253 A2).

A special guided studies program for adults has been developed to help upgrade skills, to help adults prepare for better jobs and to prepare for further vocational training.

APPRENTICESHIP AND TRADE EXTENSION

Through cooperative arrangements with the State Board for Vocational Education, Boise State University Vocational Technical School sponsors a wide range of trade extension training for beginning, apprentice and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, though not invariably, such courses provide related technical training for those workmen receiving on-the-job instruction in such vocations as Sheetmetal, Carpentry, Plumbing, Welding, Electricity, Electronics, Typing, Grocery Checking, Automotives, Nursing and Farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University School of Vocational-Technical Education. Phone: 385-1974.

ADULT BASIC EDUCATION—No Credit

This program offers classes in basic arithmetic, reading, English and speaking skills for people who are performing below a twelfth grade academic level. Preparation for United States citizenship, beginning reading for adults, and English as a second language for non-English speaking people are offered through the Adult Education Program.

HIGH SCHOOL EQUIVALENCY (GED PREPARATION)—No Credit

The High School Equivalency Program is a course designed for people who are performing below a twelfth grade academic level. This program is designed to help people prepare for their high school Equivalency Test (GED).
### BOISE STATE FULL-TIME FACULTY

**January, 1980**

*(The date in parenthesis is the year of first appointment)*

#### A

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOUISE ACKLEY</td>
<td>Assistant Professor of English</td>
<td>A.B., Northwest Nazarene College; M.A., University of Washington.</td>
</tr>
<tr>
<td>H. DUANE AKROYD</td>
<td>Associate Professor; Director of Radiologic Technology</td>
<td>B.S., Medical College of Georgia; M.S., State University of New York at Buffalo.</td>
</tr>
<tr>
<td>JOHN W. ALLEN</td>
<td>Associate Professor of Physics</td>
<td>B.A., Willamette University; M.A., Ph.D., Harvard University.</td>
</tr>
<tr>
<td>ROBERT L. ALLEN</td>
<td>Instructor in Industrial Mechanics</td>
<td>Certificate B.A., Boise State University.</td>
</tr>
<tr>
<td>ROGER H. ALLEN</td>
<td>Professor of Real Estate</td>
<td>A.A., Boise Junior College; B.S., University of Nevada; M.B.A., Northwestern University</td>
</tr>
<tr>
<td>ROBERT M. ANDERSON</td>
<td>Associate Professor of Mathematics</td>
<td>B.S., Utah State University; Ph.D., Michigan State University.</td>
</tr>
<tr>
<td>GARY D. ARAMBARI</td>
<td>Department Head, Heavy Technologies, Instructor in Welding</td>
<td>Shop Ironworker Apprenticeship, Gate City Steel; Shop Superintendent, Gate City Steel, Pocatello.</td>
</tr>
<tr>
<td>LONNY J. ASHWORTH</td>
<td>Clinical Instructor of Respiratory Therapy</td>
<td>B.S., Boise State University.</td>
</tr>
<tr>
<td>E. BARRY, ASMUS</td>
<td>Professor of Economics</td>
<td>B.S., M.S., Colorado State University; Ph.D., Montana State University.</td>
</tr>
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#### B

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>KENNETH D. BÄHN</td>
<td>Assistant Professor of Marketing</td>
<td>B.S., M.S., California State University.</td>
</tr>
<tr>
<td>CHARLES W. BAKER</td>
<td>Professor of Biology</td>
<td>B.S., M.S., University of Nevada; Ph.D., Oregon State University.</td>
</tr>
<tr>
<td>RICHARD BAKER</td>
<td>Associate Professor of Sociology</td>
<td>B.A., M.A., University of Wyoming; Ph.D., Washington State University.</td>
</tr>
<tr>
<td>JOSEPH A. BALDASSARRE</td>
<td>Instructor in Music</td>
<td>B.M.E., Baldwin Wallace College.</td>
</tr>
<tr>
<td>RONALD M. BALDNER</td>
<td>Instructor in Welding</td>
<td>B.S., Upper Iowa College; M.A., University of Iowa.</td>
</tr>
<tr>
<td>DAVID A. BALDWIN</td>
<td>Curriculum Librarian; Assistant Professor of Library Science</td>
<td>B.A., Upper Iowa College; M.A., University of Iowa.</td>
</tr>
<tr>
<td>JOHN B. BALDWIN</td>
<td>Professor of Music</td>
<td>B.M.E., M.M.E., Wichita State University; Ph.D., Michigan State University.</td>
</tr>
<tr>
<td>RICHARD N. BALL</td>
<td>Associate Professor of Mathematics</td>
<td>B.A., University of Colorado; M.A., Ph.D., University of Wisconsin.</td>
</tr>
<tr>
<td>RICHARD C. BANKS</td>
<td>Professor of Chemistry</td>
<td>B.S., College of Idaho; Ph.D., Oregon State University.</td>
</tr>
<tr>
<td>GWYNN BARRETT</td>
<td>Professor of History</td>
<td>B.S., Utah State University; M.A., University of Hawaii; Ph.D., Brigham Young University.</td>
</tr>
<tr>
<td>ROSALYN O. BARRY</td>
<td>Assistant Professor of Communication</td>
<td>A.A., Stephens College; B.A., College of Idaho; M.S.J., Northwestern University.</td>
</tr>
</tbody>
</table>

#### WYLLA BARSNESS, Professor of Psychology

A.B., William Jewell College; M.S., Montana State University; Ph.D., University of Minnesota.

#### ROBERT P. BEHLING, Associate Professor of Accounting and Data Processing

B.A., Colgate University; M.Ed., University of Portland; M.B.A., Boise State University; Ph.D., University of Northern Colorado.

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#### ELMO B. BENSON, Assistant Professor of Art

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#### JOHN H. BEST, Professor of Music

B.S., University of Idaho; M.S., Colorado State College of Education; Cello Pupil of Elias Trustman and Joseph Wetzels; Composition and Theory Pupil of J. DeForest Cline and Henry Trustman Ginsburg; Suzuki Institute of Toho School, Japan.

#### JOHN PATRICK BIETER, Professor of Education

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#### JAMES C. BLANKENSHIP, Assistant Professor of Art

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#### ANTHONY J. BÖHNER, Associate Professor of Management

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#### ROBERT R. BOREN, Professor of Communication; Chairman, Department of Communication

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#### NANCY C. BOWERS, Instructor in Practical Nursing

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#### BILL C. BOWMAN, Professor of Physical Education

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#### CLAIR BOWMAN, Associate Professor of Teacher Education

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#### PHYLLIS E. BOWMAN, Assistant Professor of Physical Education

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#### RICHARD F. BOYLAN, Associate Professor of Communication

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C

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B.A., M.A., University of Montana.

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A. ROBERT CORBIN, Assistant Professor of Sociology ...(1967)
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DAVID E. CRANE, Head Catalog Librarian, Associate Professor ...(1969)
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G. DAWN CRANER, Assistant Professor of Communication ...(1975)
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Diploma, Boise Junior College.

ELIZABETH M. CURTIS, Instructor in Surgical Technology ...(1972)
Diploma, Kansas City General Hospital, School of Nursing.
<table>
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<th>Name</th>
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<tbody>
<tr>
<td>JAMES B. DEMOUX</td>
<td>Professor of Teacher</td>
<td>University of Oregon</td>
<td>B.A., Pacific Lutheran University; M.A., Lewis &amp; Clark College, Portland; Ed.D., University of Oregon.</td>
</tr>
<tr>
<td>A. JERRY DAVIS</td>
<td>Professor of Engineering</td>
<td>University of Colorado</td>
<td>B.S., M.Ed., University of Colorado; Agricultural and Mechanical College of Texas; University of Washington; Bucknell University.</td>
</tr>
<tr>
<td>NORMAN F. DAHM</td>
<td>Professor of Engineering</td>
<td>University of Oklahoma</td>
<td>B.S., Oregon State University; R.N., University of Oregon.</td>
</tr>
<tr>
<td>MARIE DALLAS</td>
<td>Instructor in Practical Nursing</td>
<td>University of Texas</td>
<td>B.S., Oregon State Teachers College; M.S., Kansas State University.</td>
</tr>
<tr>
<td>JACK L. DALTON</td>
<td>Professor of Chemistry; Chairman</td>
<td>Department of Chemistry</td>
<td>B.S., Nebraska State Teachers College; M.A., University of California.</td>
</tr>
<tr>
<td>A. JERRY DAVIS</td>
<td>Director, University Admissions Counseling</td>
<td>Assistant Professor</td>
<td>B.S., University of Nebraska — Lincoln; M.Ed., Bowling Green State University.</td>
</tr>
<tr>
<td>CHARLES GEORGE DAVIS</td>
<td>Professor of English</td>
<td>Department of English</td>
<td>B.A., Middlebury College; M.A., University of California, Berkeley; Ph.D., University of North Carolina.</td>
</tr>
<tr>
<td>MARIO P. DELISIO</td>
<td>Assistant Professor of Geology and Geophysics</td>
<td>B.A., Boise State College; M.A., Idaho State University.</td>
<td></td>
</tr>
<tr>
<td>JAMES B. DEMOUX</td>
<td>Assistant Professor of Communication</td>
<td>B.A., Brigham Young University; M.A., University of Montana; Ph.D., University of Colorado.</td>
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</tr>
<tr>
<td>JERRY P.Dodson</td>
<td>Professor of Psychology</td>
<td>B.A., Ball State University; M.S., Ph.D., Purdue.</td>
<td></td>
</tr>
<tr>
<td>ROBERT B. DODSON</td>
<td>Instructor in Electronics</td>
<td>B.S.E.E., Seattle University.</td>
<td></td>
</tr>
<tr>
<td>PAUL DONALDSON</td>
<td>Associate Professor of Geophysics</td>
<td>Stanford University; B.S., University of Utah; Ph.D., Colorado School of Mines.</td>
<td></td>
</tr>
<tr>
<td>DENNIS DONOGHUE</td>
<td>Professor of Political Science</td>
<td>B.S., M.A., Central Michigan University; Ph.D., Miami University.</td>
<td></td>
</tr>
<tr>
<td>PATRICIA M. DORMAN</td>
<td>Professor of Sociology</td>
<td>B.S., M.S., Ph.D., University of Utah.</td>
<td></td>
</tr>
<tr>
<td>JAMES G. DOSS</td>
<td>Associate Professor of Management</td>
<td>Associate Dean; MBA Program Coordinator</td>
<td>B.S., University of California; M.S., The George Washington University; Ph.D., University of Utah.</td>
</tr>
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