discover

Boise State University

bulletin 78-79

Directory Information

BOISE STATE UNIVERSITY
1910 University Drive
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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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.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 Service 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.

BOISE STATE UNIVERSITY BULLETIN 1978-79 CATALOG ISSUE
Vol. XLVI March 15, 1978 No. 1

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Boise State University

Bulletin 78-79

The BOB GIBB FRIENDSHIP BRIDGE over the Boise River, which joins Boise State University Campus with Julia Davis Park, was dedicated October 22, 1977 in honor of the late Robert S. Gibb.

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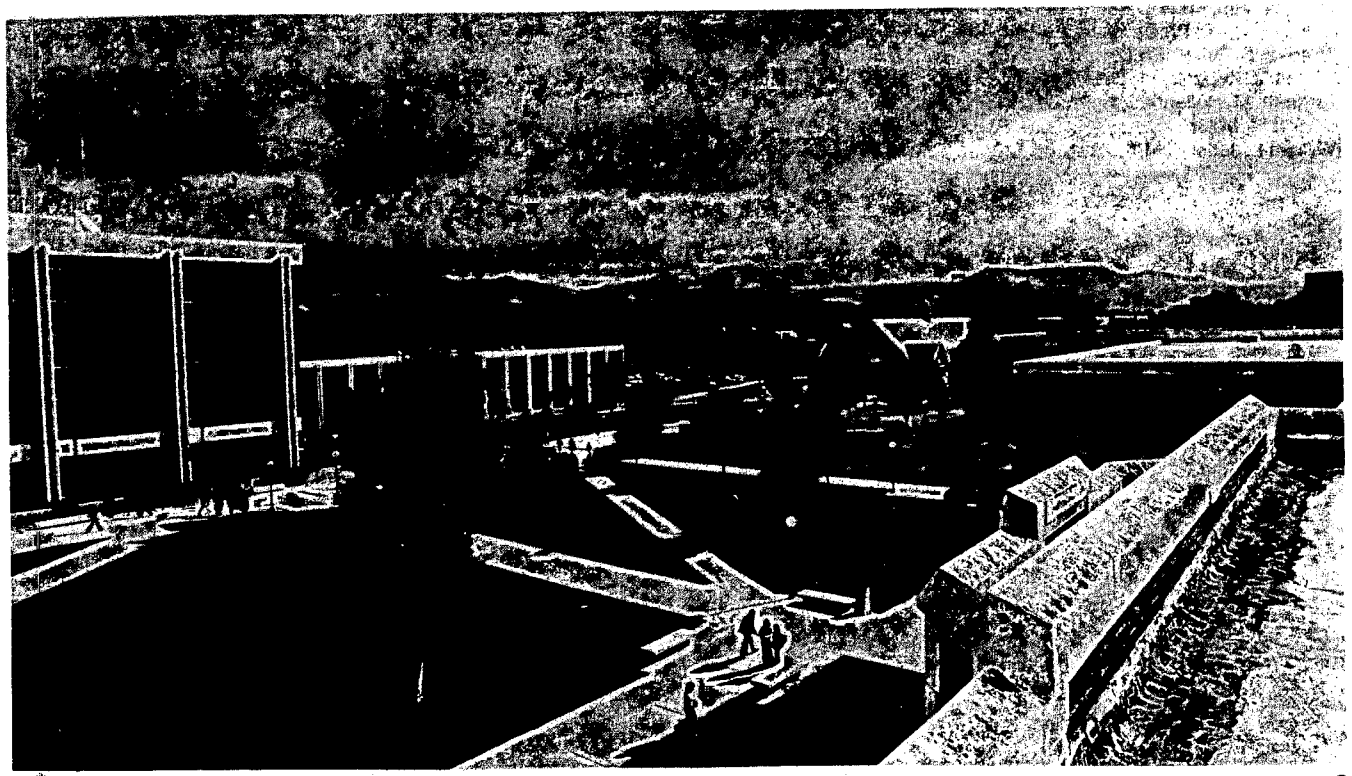

ADMINISTRATION

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UNIVERSITY ADMINISTRATION

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Gilbert M. Miller ..... Director, Area Vocational-Technical School
William L. Jensen, M.A. ..... Director, Continuing Education and Summer Sessions

BOISE STATE UNIVERSITY CALENDAR — 1978-79

SUMMER SESSION
1978

June 10, Saturday 8:30 am-12:30 pm (L247) ..... Graduate Record Examination
June 12, Monday 9:00 am-1:00 pm ..... Registration in Gymnasium
June 13, Tuesday ..... 8-week Session Until August 4
June 13, Tuesday ..... Approved 5-week Session Until July 14
June 5-August 11 ..... Approved 10-week Classes
July 8, Saturday, 8:30 a.m.-12:30 p.m. (L247) ..... Graduate Management Admission Test

FALL SEMESTER 1978

June 22-24, Thursday through Saturday ... New Student Summer Orientation and Registration. To be eligible to participate, a student must be a new incoming freshman or transfer student and submit an application and be accepted by B.S.U. no later than June 15, 1978.

August 11, Friday ..... Last day to submit application for Fall Semester to be assured of registration materials at the Mini Registration (August 29); . . . Students submitting applications after this date will be required to register during Late Registration which begins Thursday, August 31.

August 16, Wednesday ..... Last day for pre-registered students to complete financial arrangements and pay fees for Fall Semester

August 21, Monday ..... Faculty responsibilities begin with meetings and course preparation activities.

August 27, Sunday ..... Residence halls open. (noon)

August 28, Monday ..... Advising for freshmen, and new, continuing and evening students.

August 29, Tuesday ..... Mini Registration.

August 30, Wednesday ..... Classes begin.

August 31, Thursday ..... Late Registration begins.

September 4, Monday ..... Labor Day (Holiday)

September 13, Wednesday ..... 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)

October 6, Friday ..... Last day to file with department for admission to candidacy and graduation for Master's Degree . . . Last day to file application with Registrar for graduation for Baccalaureate and two-year or less degrees, diplomas, and certificates.

October 14, Saturday ..... Graduate Record Examination (GRE) in Library Building

October 23, Monday ..... Mid-semester report issued . . . Notification of incompletes from previous semester . . . Last day to file application with department for final Master's written examination.

October 28, Saturday ..... Graduate Management Admission Test (GMAT) in Library Bldg., Room 247 (8:30 a.m.-12:30 p.m.)*

November 3, Friday ..... Homecoming.

November 6-17, Mondays through Fridays (two weeks) ..... Advising period for pre-registration for continuing students.

November 6-22, Mondays through Fridays, ending on Wednesday, the 22nd (two and one-half weeks) ..... Pre-registration period for students who have been advised.

November 6, Monday ..... Last day to withdraw and/or change from credit to audit.

November 11, Saturday ..... Final written exam for Master's Degree.

November 22, Wednesday ..... Last day for final oral and project/thesis defense.

November 23-26, Thursday through Sunday ..... Thanksgiving (Holiday)

November 27, Monday ..... Classes resume.

November 27, Monday ..... Last day to add classes . . . Last day to register by petition.

December 8, Friday ..... Last day to submit final signed copy of Master's project/thesis with department.

December 9, Saturday ..... GRE Exam at The College of Idaho.

December 11-15, Monday through Friday ..... No-examination Week.

December 15, Friday ..... Classroom instruction ends.

December 18-22, Monday through Friday ..... Final Semester Examinations.

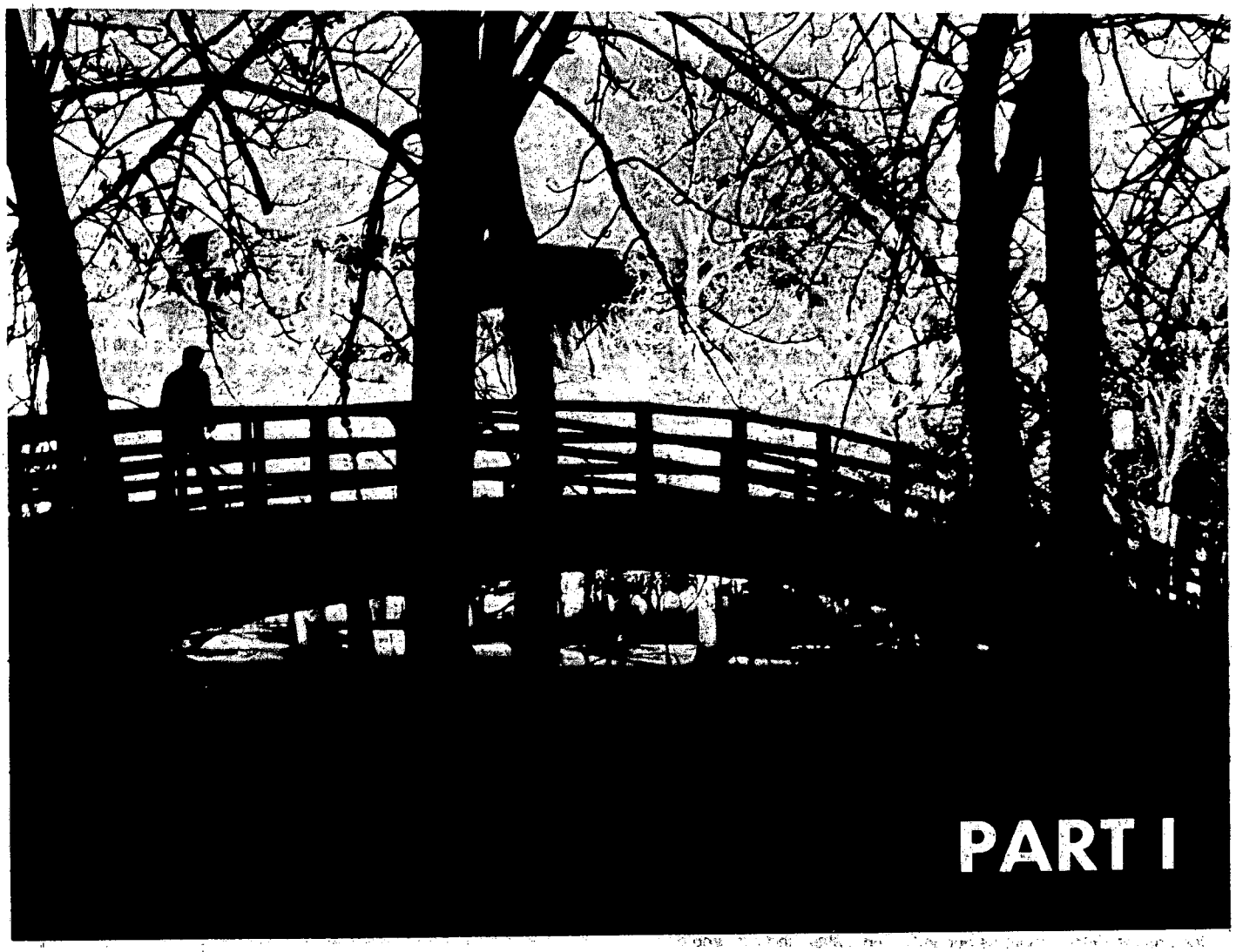
December 23, Saturday ..... Residence halls close. (noon)

*Registration card and payment for these tests should be mailed to ETS at least four weeks before the test date.

SPRING SEMESTER 1979

December 28, Thursday	Last day to submit application for Spring Semester to be assured of registration materials at the Mini Registration (January 16); . . . Students submitting applications after this date will be required to register during Late Registration which begins Thursday, January 18.
January 5, Friday	Last day for pre-registered students to complete financial arrangements and pay fees for Spring Semester
January 13, Saturday	Graduate Record Examination (GRE) in Library.
January 15, Monday	Faculty responsibilities begin with meetings and course preparation activities.
January 15, Monday	Residence halls open. (noon)
January 16, Tuesday	Advising for freshmen, and new, continuing and evening students.
January 16, Tuesday	Mini Registration.
January 17, Wednesday	Classes Begin.
January 18, Thursday	Late Registration Begins.
January 27, Saturday.	Graduate Management Admission Test (GMAT) in Library Bldg., Room 247 (8:30 am-12:30 pm)*
January 30, Tuesday	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 and advisor (4:00 p.m. close).
February 16, Friday	Last day to file with department for admission to candidacy and graduation for Master's Degree . . . Last day to file application with registrar for graduation for Baccalaureate and two-year or less degrees, diplomas, and certificates.
February 19, Monday	George Washington's Birthday (Holiday).
February 24, Saturday	Graduate Record Examination (GRE) at The College of Idaho.
March 16, Friday	Mid-semester report issued . . . Notification of incompletes from previous semester . . . Last day to file application with department for final Masters written examination.
March 17, Saturday	Graduate Management Admission Test (GMAT) in Library Bldg., Room 247 (8:30 am-12:30 pm)*
~~March 19-25, Monday~~ Mar. 26 through ~~Sunday~~ April 1	Spring Vacation.
March 26, Monday	Classes resume.
March 30, Friday	Last day for withdrawal and/or change from credit to audit.
April 2-13, Mondays through Fridays (two weeks)	Advising period for pre-registration for continuing students.
April 2-18, Mondays through Fridays, ending on Wednesday, the 18th (two and one-half weeks)	Pre-registration period for students who have been advised.
April 7, Saturday	Final written exam for Masters Degree.
April 19, Thursday	Last day to add classes . . . Last day to register by petition.
April 20, Friday	Last day for final oral and project/thesis defense.
April 21, Saturday	Graduate Record Examination (GRE) at The College of Idaho.
May 4, Friday	Last day to submit final signed copy of Masters project/thesis with department.
May 7-11, Monday through Friday	No-examination Week.
May 11, Friday	Classroom instruction ends.
May 14-18, Monday through Friday	Semester examinations.
May 18, Friday	Spring Semester ends (5:00 p.m.).
May 19, Saturday	Residence halls close. (noon)
May 20, Sunday	Commencement.
May 21, Monday	Grade reports due to Registrar by 12:00 noon.
June 9, Saturday	Graduate Record Examination (GRE) in Library.

*Registration card and payment for these tests should be mailed to ETS at least four weeks before the test date.



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.

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 strenghten 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 knowledges 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 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.

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 Program by the Council on Social Work Education.

Provisional Professional Accreditations include: Operating Room Technology by the Joint Review Committee on Education for the Operating Room Technician sponsored by the American College of Surgeons, American Hospital and Association of Operating Room Technicians.

Preliminary Professional Accreditations include: **Radiologic Technology Program** (Associate Degree) 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.

HIGH SCHOOL AND UNIVERSITY RELATIONS

The Director of High School and University Relations 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.

REQUIREMENTS FOR ADMISSION TO THE UNIVERSITY

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 admissions counseling, 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 score.
4. ACT, SAT, or WPC 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, or WPC 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 under section D, page 19. Academic Probation and Disqualification.

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, or WPC 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. A completed application

E. If **FORMER PART-TIME B.S.U. STUDENT** (has **not** fully matriculated at B.S.U. and has attended **no** post-high school institutions 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
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 138 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. They 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 **The Report of Credit Given by Educational Institutions by the American Association of College Registrars and Admissions Officers. Specifically, students requesting acceptance of such credit will furnish the Admissions Office of Boise State complete official transcripts and catalog course descriptions. After earning not less than 15 semester hours credit from BSU with not less than 2.00 cum 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 15 for information on veterans.

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

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 Techni-*

cal 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 D, page 14, 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 prerequisites 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 Office and must be translated into ENGLISH.

English Proficiency: All foreign applicants are required to take and receive a satisfactory score on TOEFL (Test of English as a Foreign Language) or other examinations acceptable to Boise State University. Arrangements to take the TOEFL examination may be made by writing directly to TOEFL, Educational Testing Service, P.O. Box 592, 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 the filing 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 the 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 138 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 5-1 (Student Records). The policy statement in its entirety is contained in the Administrative Handbook of Boise State University. Any students, faculty, or staff

who have 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 under the (legal voting age)* whose parents or court-appointed guardian is domiciled in the state of Idaho. Domicile is deemed to exist when the parent or guardian has established residence in Idaho for an indefinite time and the former residence is abandoned. To qualify under this section, the parents or guardian must be residing in the state on the opening day of the term for which the student matriculates.

(b) Any student, legal voting age or older,* 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 under the legal voting age* 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) A student under the legal voting age whose parent or guardian is a member of the armed forces and stationed in the state of Idaho on military orders. The student, while in continuous attendance, shall not lose his residence when his parent or guardian is transferred on military orders.

(g) A person under the legal voting age,* married and who together with spouse 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.

(h) 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 home of record and enters a college or university in the state of Idaho within one (1) year of the date of separation.

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 one 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.

*legal voting age is defined to be 18 years of age or older

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).

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.

Full Time	**Idaho Resident**	**Non-Resident**
Tuition: (per semester)	$ 0	$600.00
Institutional Fees	184.50	184.50
TOTAL TUITION AND FEES	184.50	784.50
Includes 3% Idaho Sales Tax		

OTHER FEES

Part-time	$25.00 per semester hour
Summer	25.00 per semester hour
Audit	20.00 per semester hour
Application Processing Fee: (Non-Refundable)	10.00
Testing Fee: Students who have not taken the ACT tests on a regular national testing date may take the test during registration week	14.00
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 proficiency examination must attempt the examination at the end of the first year of study and each semester thereafter until successful completion. No more than four semesters of fees for this purpose will be waived.

SPECIAL WORKSHOP FEES:

Special Workshops are conducted throughout the year which are not part of the regularly scheduled courses or workshops funded through the University General Fund Budget.

All students, regardless of full time or part time status, will be required to pay the Special Workshop Fees which are set in relation to the expenses required to conduct the course. Registration for these workshops will not change the status of a student for fee purposes.

STUDENT ENROLLMENT VERIFICATION

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: 7-day/20 meals (breakfast, lunch, dinner, Monday through Saturday; brunch, dinner, Sunday)
Option B: 7-day/14 meals (lunch, dinner, Monday through Saturday; brunch, dinner, Sunday)
Option C: 5-day/10 meals (lunch, dinner, Monday through Friday)

Rates:

Morrison and Driscoll						
Double:	A:	$1365	B:	$1345	C:	$1295
Single:	A:	1565	B:	1545	C:	1495
Towers:						
Double:	A:	1365	B:	1345	C:	1295
Chaffee:						
Double:	A:	1365	B:	1345	C:	1295
Single:	A:	1565	B:	1545	C:	1495

The residence halls normally are closed during Thanksgiving vacation, semester break, and Spring vacation. Students staying in their rooms at the residence halls between semesters and during Spring vacation will be charged $2.00 per day.

Married Student Housing

University Courts: Small one: $92 two: $140
Large one: $122 three: $160

University Manor:
University Heights: one: $140.00 two: $165.00

Room and board prices are subject to change without notice.

Above prices include phone charges and state sales tax.

Off campus meal rates are respectively: A $889, B $869, C $819.

Refunds for terminations of the contract which are approved will be made on a pro-rata basis for the unused portion of room and board payments made previously. Any students who receive such a refund and who have been recipients of financial aid which has been applied towards their housing payments must assume the responsibility for repaying the appropriate financial agency from which they received their funds.

All fees tuition and other charges subject to change without notice.

REFUND POLICY

General fees—When any 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%
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.*

ADMINISTRATIVE WITHDRAWAL
B.S.U. POLICY 30-6

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, medical form 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 ones' self and others.

The Vice President for Student Affairs, Dean of Admissions, the Director of Administrative Services, and Registrar will initial 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 insitutional 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.

PART II

ACADEMIC INFORMATION

UNIVERSITY LIBRARY

The University Library contains a collection of 230,000 volumes on all subjects chosen by librarians and members of the faculty to support the curricular and research needs of the University. The main book collection is distributed among the four floors of the 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 about 1400 reader stations, including seating at individual carrels, large tables and 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 informational service and assistance in learning to use library resources are provided by the Reference Department, located on the first floor just beyond the main entrance. 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, located near the entrance, 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, housed on the second floor of the library, features a collection of multi-media and non-book materials, and the children's and young adult literature collections. Curriculum and special education materials are 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, located on the third floor, contains the library's collection of 65,000 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, located on the fourth floor, receives 2300 current periodicals, more than 60 newspapers, and many depository copies of U.S. government publications, Idaho state documents, and Rand Corporation publications. The Library's collection of books, periodicals and documents on mi-

croform, more than 100,000 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 and lesson 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 the School of Education, the Counseling Center, Educational Television studios, the Graduate Dean's Office and the Honors Program.

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 rehashing of 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:

B.S.U. Policy30-1 Credit by Examination
- 30-1A CLEP
- 30-1B Advanced Placement
- 30-1C Credit for Prerequisites Not Taken
- 30-1D Independent Study
- 30-5 Second BA and/or Double Major
- 30-7 Student Advisement Consideration
- 30-10 Mathematics Placement Examination
- 30-11 Honors Program
- 30-13 Servicemen's Opportunity College Program
- Internship

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.

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 until the student has successfully completed 15 academic credit hours with Boise State.

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

CLEP EXAMINATION TITLE	BSU EQUIVALENT COURSE AND NUMBER (credits)
*English Composition (50)	E-101, English Composition* (3)
*Analysis and Interpretation of Literature (50)	E-102, English Composition* (3)
**Biology (50)	B-100, Concepts of Biology (4) B-101 + 102, General Biology (8) C-107, 108 (4) or C-131, 132 (4)
General Chemistry (48)	M-111, Algebra and Trigonometry (5)
College Algebra Trigonometry (49)	M-112, Calculus and Analytic Geometry (5)
Calculus with Analytic Geometry (50)	M-361, Fundamentals of Statistics (4)
Statistics (50)	AC 205 + 206, Principles of Accounting (6)
Introduction to Accounting (50)	DP-210, Introduction to Data Processing (3)
Computers and Data Processing (50)	SO-101, Introduction to Sociology (3)
Introductory Sociology (50)	PO-101, American National Government (3)
American Government (50)	MG-301, Principles of Management (3)
***Intro. Bus. Mgmt. (60)	GB-202, Business Law (3)
***Intro. Bus. Law (60)	MK-301, Basic Marketing-Management (3)
Introductory Marketing (50)	P-101, General Psychology (3)
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 obtained by successful completion of this subject exam may be applied towards Area III requirements; it does not fulfill requirement for the Biology Major.***

*****The department will require one additional local exercise.***

CLEP GENERAL EXAM

Boise State will accept CLEP General Examinations at a university-determined percentile score for equivalent credits. The student who submits official General Examination scores must make application and enroll 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 University, the student will receive credit for the equivalent credits so designated. The entries on the transcript will show the specific Boise State score requirement met 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 General Examinations will not be officially released on a Boise State transcript to other agencies or institutions until the student has successfully completed 15 academic credit hours with Boise State University.

Boise State currently accepts test scores of CLEP in the following general area:

CLEP EXAM TITLE*	BSU EQUIVALENT CREDIT
English	No credit granted
Natural Science	
Score of 489-570 (50th-75th)	4 credits in Area III
Score of 571 or above	8 credits in Area III
Mathematics	
Score of 488 or above (50th)	4 credits in Area III
Humanities	
Score of 489-566 (50th-75th)	3 credits in Area I
Score of 567 or above	6 credits in Area I
Social Science—History	

Score of 489-568 (50th-75th)	3 credits in Area II
Score of 569 or above	6 credits in Area II

*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 percentile 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 premajor 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
6. Educational Television courses
7. Travel
8. Study in the Armed Forces or at proprietary schools
9. On-the-job training and experience

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
or $30 for 2 tests, $40 for 3 or 4 or 5 tests

Subject Examinations

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

For information related to taking a CLEP Examination, contact Darlene Pline at the Counseling and Testing Center located in the Library Building, Room 247, phone 385-1601. Students seeking information about this and other advanced placement policy should contact Dr. William P. Mech, Director, Honors Program, Library Building, Room L408G, phone 385-1122.

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 FOR PREREQUISITES NOT TAKEN

Students who are deemed qualified may take designated 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 curricular 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.

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 departments. 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.

ACADEMIC INFORMATION

HONORS COURSES

Each Honors student takes special Honors courses, some of which are expected 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 department 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	Geology
American History	Honors Colloquium
Western Civilization	Honors Seminar
Mathematics	Independent Study
Economics	Summer Reading

REQUIREMENTS

All 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

INTERNSHIP

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)

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 be legal residents of Idaho. 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 Interinstitutional 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 a program in Cologne, Germany. Students may enroll in these programs here at BSU 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.

OUTREACH SERVICES 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 up-grading 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 with 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 service 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 Art 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 forty 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 staff 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 385-1111 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, avocational, and vocational 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 (G.E.D.) Training—As a part of the Adult Basic Education Program, the University offers instruction and prepares adults who wish to take the General Educational Development Test to qualify for the Idaho high school equivalency certificate.

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 the residents of Treasure Valley from Boise State University, licensee of station KAID-TV, a noncommercial public broadcasting station. The station produces and airs, in color, instructional TV programs for public education, higher education, and the community. Programs are produced to offer 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 are offered in the summer. Graduate, undergraduate and noncredit programs and courses are offered in the several time block sessions on campus. 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.

CONTINUOUS REPORT OF ACTIVITIES

Boise State University maintains a daily activity information service on a special telephone line. Current information concerning activities taking place on campus is available. The automatic answering device will give information concerning student activities, sports and other events taking place daily on campus. The number may be dialed at any time, day or night. It is listed in the campus directory and Boise telephone book.

ACADEMIC REGULATIONS

REGISTRAR:

The Registrar has direct responsibility planning for, maintaining and up-dating 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 new and/or transfer student to the University is assigned to a Faculty Advisor who will assist in preparing a Proposed Course Schedule and in identifying academic requirements. Students contemplating any change of program must confer and initiate the necessary forms with their Advisor.

A student may elect a change advisors after the first semester by obtaining permissions of the new Advisor, then securing the signatures of both the old and the new Advisor on a *Change in Registration* form, and filing the form with the Registrar's Office.

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 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. If there is no contact by the student, the instructor by mid-semester will change the Incomplete to a "W."

A student who receives a grade of 'F' in a given course (if the course is still offered), may elect to retake that course to raise the grade. In respect to a course in Independent Study where the instructor refuses to permit the student to retake the study; where the student cannot secure permission from another instructor to accept the program of study; or, where the instructor has left the institution, the grade of 'F' upon recommendation of the department chairman, reverts to a 'W.'

A student who received a grade of D in a given course may repeat that course to raise his grade, if in the meantime he has not taken an advanced course for which the first course is prerequisite. Degree credit for courses so repeated will be given only once but the grade assigned at each enrollment shall be permanently recorded.

Courses in which a student receives a grade of "D" or "F" may be repeated/retaken only once. If a student receives a grade of "D" or "F" a second time, the course cannot be repeated at Boise State University. Independent studies, internships and student teaching may be taken only once and are not repeatable. A grade of "C" or better must be attained in the course if required in the student's major area.

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 and classified during the first semester is not reclassified at the beginning of the second semester.

A student enrolled for 8 semester hours or more will be considered a full-time student for fee paying purposes only. See Page 6 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 continue in the university with profit to himself and credit to the institution will be placed on academic probation, and if he continues on academic probation at the end of his next semester of attendance, 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 attempted are placed on probation for the next semester of enrollment.

Hours Attempted	*Minimum GPA*	*Hours Attempted*	*Minimum GPA*	*Hours Attempted*	*Minimum GPA*
1	.00	23	1.78	45	1.89
2	.00	24	1.79	46	1.89
3	.33	25	1.80	47	1.89
4	.75	26	1.81	48	1.89
5	1.00	27	1.81	49	1.90
6	1.17	28	1.82	50	1.90
7	1.28	29	1.83	51	1.90
8	1.37	30	1.83	52	1.90
9	1.44	31	1.84	53	1.90
10	1.50	32	1.84	54	1.91
11	1.54	33	1.85	55	1.91
12	1.58	34	1.86	56	1.91
13	1.61	35	1.86	57	1.91
14	1.64	36	1.86	58	1.91
15	1.67	37	1.86	59	1.91
16	1.69	38	1.87	60	1.92
17	1.70	39	1.87	61	1.92
18	1.72	40	1.87	62	1.92
19	1.74	41	1.88	63	1.92
20	1.75	42	1.88	64	1.92
21	1.76	43	1.88	65	2.00
22	1.77	44	1.89		

B. The cumulative GPA will be computed on all credits attempted.

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 recent semester of enrollment was 2.00 or higher, the student 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 probation.

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 university 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 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 on probation are ineligible for participation in university-sponsored extracurricular activities (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 probationary provision outlined in the preceding section D, Academic Probation and Disqualification.

J. CHANGE IN REGISTRATION

1. PROGRAM CHANGES

A student may make the following program changes by securing a *Change in Registration* card and signature from his/her Advisor and then the endorsement of each professor involved in the change. The completed *Change in Registration* card *must* be filed with the Registrar (Room 102, Admn. Bldg.). No registration change is effective until dated and signed by the Registrar.

A. *Adding & Dropping Courses*

A student may ADD a course for credit through the second week of classes without the consent of the Instructor. From the beginning of the third week until the end of the twelfth week of classes a student must *Petition* to add a course with the consent of the Instructor.

A student may DROP a course up through the tenth week of classes without Penalty for Failing Work and all grades will be recorded as Withdrawal (W). (See University Calendar for specific date). No student may Drop a course(s) during the last six weeks of a semester except for verifiable emergency and/or medical reasons (see Regulation J-2). Students who remain enrolled in a class after the tenth week and fail to complete the course requirements shall be awarded a final grade of "F".

B. *Audit/Credit*

A student may change his/her status in a course from CREDIT to AUDIT or from AUDIT to CREDIT up through the tenth week of classes. No student may change his/her credit status in a course during the last six weeks of a semester.

Students who change their status in a course from AUDIT to CREDIT must pay any difference in course costs plus a three dollar ($3.00) change-in-Status fee. All changes must be initiated by the student.

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 prorated in accordance with the University's Refund Policy pertaining to general fees.

C. *Course Section Change*

Students who find themselves enrolled in the wrong section of a course(s) because of registration error, class change or closure etc., may file a *Change in Registration* card with the Registrar's Office up to the last two weeks of a semester.

2. COMPLETE WITHDRAWAL FROM THE UNIVERSITY

A student may withdraw from the University up through the tenth week of classes without penalty for failing work and all final grades will be recorded as Withdrawal (W). (See University Calendar for specific date)

No student may withdraw from the University during the last six weeks of a semester except for verifiable emergency and/or medical reasons, i.e., serious illness or injury to the student, death in the immediate family, etc. Students who remain enrolled after the last date for withdrawal and fail to complete the course requirements will be awarded final grades of "F".

A. *Faculty Initiated Withdrawal.* The responsibility for withdrawing from individual courses rests with the individual student; but in certain situations the instructor may initiate the 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 the student registers for the course on an audit basis but never attends, or attends for only a brief period.

In cases of a faculty initiated withdrawal the instructor will notify the office of the Vice-President for Student Affairs of the impending action. The Vice-President will then notify the student. If no further effort is made by the student within two weeks after the notification, the instructor may then initiate the withdrawal.

B. *Right of Appeal:*

In cases where a strict application of this regulation seems—in the opinion of an instructor, advisor or a student—to work an unreasonable hardship, the Dean of Student Advisory and Special Services is authorized to grant exceptions.

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 Dependance 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 on the B.S.U. campus.

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 adhered to 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 hours he enrolls for according to the following schedule:

   9 or more semester hours—full time

   6-8 semester hours—¾ time

   4-5 semester hours—½ 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:

   12 or more semester hours—full time

   9-11 semester hours—¾ time

   6-8 semester hours—½ 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 agreement between the student and the University, specifying responsibilities of both the student and the University.
2. The agreement shall terminate six years from date of approval or six months after serviceman's separation from active duty; whichever comes first.
3. The agreement (and thus the SOC Program) will be made available to only 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 specific academic course credit when the equivalency has been determinted by the appropriate vocational-technical division or department offering the equivalent course work.

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 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:	1st SEM.	2nd SEM.
English Composition	3	*3
Area I Requirements	3	3
Area II Requirements	3	3
Area III Requirements	4	4
Elective in School of Business	3	3
	16	16

*Determined by student score on ACT exam. See below.
Each area consists of courses from the following fields:
AREA I

Art	Literature	Philosophy
Humanities	Music	Theatre Arts

Foreign Language (102 or higher of one language)

AREA II
Anthropology
Communications
Economics
Geography
History
Political Science
Psychology
Sociology

AREA III
1. A year's sequence chosen from:
Biological Science
Mathematics
Physical Science (Includes C, GO, PS and PH courses)
With additional credits from a field other than that chosen to satisfy the sequence requirement.

or

2. Any three of the following courses:
Biology—Concepts of Biology
Chemistry—Concepts of Chemistry
Geology—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 REQUIREMENTS

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 in *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.

GENERAL UNIVERSITY (CORE) REQUIREMENTS

To receive a Baccalaureate degree from Boise State University all students must meet the following general requirement.

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 (EO10) and to pass with an S grade before being admitted to E 101.

BACCALAUREATE DEGREES MINIMUM GRADUATION REQUIREMENTS (CREDITS)

ALL BACCALAUREATE DEGREES

I. 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.

D. Minimum credit hours in residence: 30 credit hours of which the last 15 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 major department requirements.

Such correspondence courses must be completed and the transcript filed with the registrar prior to mid-term of the semester in which the last 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
      Communications 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
         Introduction to Descriptive Astronomy
         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, EH, Z
      Chemistry—C
      Geology—GO
      Mathematics—M
      Physical Science—PS
      Physics—PH
      Engineering—EN

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

F. Departmental major

*Determined by student score on ACT exam. See page 23.
**Three credits may be in performance courses.
***Literature—Courses in various departments concerned with the writings of specific authors, periods, styles, themes, or geographic area.
****The Physical Sciences include courses in Chemistry, Geology, Physical Science and Physics.

BACHELOR OF SCIENCE DEGREE
MINIMUM REQUIREMENTS (CREDITS)

A. General University requirements .....3 or 6*
   1. English Composition 3 or 6 credits*

B. Area I requirements 12**
   Three fields must be represented
   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
   Three fields must be represented
   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
   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
         Introduction to Descriptive Astronomy
         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—EH—Z
      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 23.
**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)

A. English Composition 3-6*

B. Area I Requirements 6

C. Area II Requirements 12
1. Economics 6
2. Area II credits other than in economics 6

D. Area III Requirements 11-12
1. Two-semester sequence in math 8
2. One semester physical or biological science 3-4
Suggested science courses:
Concepts of Biology, B-100
Concepts of Chemistry, C-100
Foundations of Physical Science, PS-100
Fundamentals of Geology, G-100
Introduction to Descriptive Astronomy, PH-105
Man and His Environment, B-200

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:

Area I
Humanities
Theatre Arts
Art
Music
Philosophy
Foreign Language (102 or higher of one language)

Area II	Area III
Anthropology	Biological Sciences
Communication	Mathematics
Geography	Physical Sciences
History	
Political Science	
Psychology	
Sociology	

F. A major in Accounting, Business Education, Economics, Finance, General Business, Industrial Business, Information Sciences, Management, Marketing, Real Estate, or Office Administration meeting all specific requirements for the major—see requirements in Part V.

*Determined by student score on ACT exam. See page 23.

BACHELOR OF FINE ARTS DEGREE

A. General University Requirements 3-6*
1. English Composition 3-6*

B. Area I Requirements 9
1. Literature 6
2. Other courses 3
No fewer than 3 credits selected from:
Introduction to Music
Introduction to Theatre
Introduction to Humanities
Introduction to Philosophy or Ethics
Foreign Language, 102 or higher of one language

C. Area II Requirements 9
1. Lower Division History 3
2. Other courses 3
No fewer than 3 credits selected from:
Political Science
Sociology
Anthropology
Psychology
Economics
Geography
3. No fewer than 3 additional credits selected from areas C.1. and C.2. above 3

D. Area III Requirements 8
A year's sequence chosen from the following:
Biological Science
Mathematics
Physical Sciences**
or any two of the following:
Concepts of Chemistry
Concepts of Biology
Fundamentals of Geology
Cultural Approach to Math
Foundations of Physical Science
Introduction to Descriptive Astronomy

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

F. A major in Art.

A candidate for the BFA degree must have Art Department approval during his Junior year.

*Determined by student score on ACT exam. See page 23.

**The Physical Sciences include C, GO, PS, PH courses.

BACHELOR OF MUSIC DEGREE
MINIMUM REQUIREMENTS (CREDITS)

A. General University Requirements 3-6*
1. English Composition 3-6*

B. Area I Requirements 9
1. Literature 3
2. Three credits in a second field 3
3. Three credits in any Area I field 3
Area I is composed of the following fields:
Art AR
Humanities HU
Literature**
Music History***
Philosophy PY
Theatre Arts TA

C. Area II Requirements 9
1. History 3
2. Three credits in a second field 3
3. Three credits in any Area II field 3
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. Foreign Language and Area III Requirements 8
1. Performance and Theory-Composition Majors:
a. A year's sequence of a foreign language ... 8
2. Music Education Majors:
a. A Year's sequence of a foreign language ... 8
or b. A year's sequence chosen from:
Biological Sciences
Mathematics
Physical Sciences
or c. Any two of the following courses:
Concepts of Biology
Concepts of Chemistry
Fundamentals of Geology
Cultural Approach to Math
Foundations of Physical Science
Introduction to Descriptive Astronomy

E. A major in music with emphasis in Performance, Theory-Composition, or Music Education, meeting all specific requirements as defined on pages 62-63 in the catalog.

*Determined by student score on ACT exam. See page 23.
**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.

BACCALAUREATE DEGREE PROGRAMS

Boise State University offers Baccalaureate Degree Programs in the following majors:

Accounting
Advertising Design
Art
Art, Secondary Education Option
Biology
Biology, Secondary Education Option
Business Education
Chemistry
Chemistry, Secondary Education Option
Communication
Communication, Secondary Education Option
Combined Major Communications—English
Construction Management
Criminal Justice Administration
Earth Science Education
Economics
Economics, Social Science Secondary Education Option
Elementary Education
English
English, Secondary Education Option
Environmental Health
Finance
General Business
Geology
Geophysics
German
Health Science Studies
History
History, Secondary Education Option
History, Social Science Secondary Education Option
Industrial Business
Information Sciences
Management
Marketing
Mathematics
Mathematics, Secondary Education Option
Medical Technology
Multi-Ethnic Studies
Music
Music, Secondary Education Option
Nursing
Office Administration
Physical Education, Secondary Education Option
Physics
Physics, Secondary Education Option
Political Science
Political Science, Social Science Secondary Education Option
Pre-Dental Studies
Pre-Medical Studies
Psychology
Radiological Science
Real Estate
Social Science
Social Work
Sociology
Sociology, Social Science Secondary Education Option
Spanish
Theatre Arts
Theatre Arts, Secondary Education Option

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

ADVANCED DEGREES

Master of Business Administration

Master of Arts in Elementary Education

Master of Arts in Elementary Education. Areas of Emphasis in Curriculum and Instruction, Content Enrichment, Reading, Special Education.

Master of Arts/Science in Secondary Education, Areas of Emphasis in Art, Business Education, Chemistry, Earth Science, English, History, Mathematics, Music, Theatre Arts

Master of Public Administration, Areas of Emphasis in General Public Administration; Community, State and Regional Planning; Criminal Justice Administration; Public Health Administration; Public Finance, Budgeting, and Administrative Management; Environmental and Natural Resources Administration; Local Government Administration; Human Services Administration.

OTHER DEGREES

Boise State University grants Associate of Science, Associate of Applied Science Degrees, Diplomas, and Certificates of Completion to students completing programs whose specific course requirements are stated in other sections of the catalog. A cumulative G.P.A. of 2.00 is required. Those courses currently offered are listed as follows:

Associate of Science
Medical Record Technician
Radiologic Technology
Respiratory Therapy
Registered Nursing
Fashion Merchandising—Mid-Management
Office Systems—Secretarial and word processing options
Marketing—Mid-Management
Criminal Justice Administration
Medical Office Assistant (Medical Secretary)

Associate of Applied Science
Child Care
Drafting Technology
Electronics Technology
Food Service

Diploma

A diploma will be granted upon successful completion of the following two-year programs:
Business Machine Technology
Horticulture

Machine Shop
Welding (2-year program)

Certificate of Completion

A certificate of completion is granted for completion of less than 2-year programs and for completion of other authorized programs, such as seminars, workshops, special interest community courses, etc.

COURSE DESIGNATIONS

(see index for page references)

SCHOOL OF ARTS AND SCIENCES

Department of Art
- Art ..... AR

Department of Biology
- Biology ..... B
- Botany ..... BT
- Forestry ..... FS
- Zoology ..... Z

Department of Chemistry
- Chemistry C

Department of Communication
- Communication ..... CM

Department of English
- English ..... E
- Humanities ..... HU
- Linguistics LI

Department of Foreign Languages
- Foreign Languages ..... FL
- French ..... F
- German ..... G
- Russian ..... R
- Spanish ..... S

Department of Geology
- General Science ..... GS
- Geology ..... GO
- Geography ..... GG
- Geophysics ..... GP

Department of Home Economics
- Home Economics ..... HE

Department of History
- History ..... HY

Department of Mathematics
- Mathematics ..... M

Department of Military Science
- Military Science ..... ML

Department of Music
- Music, Applied (Performance) ..... MA
- Music, Ensemble ..... ME
- Music, General ..... MU

Department of Political Science
- Political Science ..... PO
- Philosophy ..... PY

Department of Physics, Engineering and Physical Science
- Construction Management ..... CO
- Engineering ..... EN
- Physics ..... PH
- Physical Science ..... PS

Department of Social Work
- Social Work ..... SW

Department of Societal and Urban Studies
- Anthropology ..... AN
- Criminal Justice Administration ..... CR
- Social Science ..... SS
- Sociology ..... SO

Department of Theatre Arts
- Theatre Arts ..... TA

SCHOOL OF BUSINESS

Department of Accounting and Data Processing
- Accounting ..... AC
- Data Processing ..... DP

Department of Business Education and Office Administration
- Business Education ..... BE
- Office Administration ..... OA

Department of Economics
- Economics ..... EC

Department of Management and Finance
- Aviation Management ..... AV
- Finance ..... FI
- General Business ..... GB
- Management ..... MG
- Real Estate ..... RE

Department of Marketing and Mid Management
- Marketing, General ..... MK
- Marketing, Mid Management ..... MM

SCHOOL OF EDUCATION

Department of Health, Physical Education and Recreation
- Physical Education ..... PE

Department of Psychology
- Psychology ..... P

Department of Teacher Education and Library Science
- General Education ..... GE
- Library Science ..... LS
- Teacher Education ..... TE

SCHOOL OF HEALTH SCIENCES

Department of Allied Health Studies
- Medical Records Technology ..... MR
- Medical Technology ..... MT
- Radiologic Technology ..... RD
- Respiratory Therapy ..... RT

Department of Community and Environmental Health
- Environmental Health ..... EH
- Health Sciences ..... H

Department of Nursing
- Nursing ..... N

SCHOOL OF VOCATIONAL-TECHNICAL EDUCATION

Department of Health Occupations
- Dental Assistant ..... DA
- Operating Room Technology ..... OR
- Practical Nursing ..... PN

Department of Heavy Technology
- Refrigeration Heating ..... RH
- Industrial Plant Maintenance ..... PM
- Machine Shop ..... MS

Electrical Lineman ..... EL
Welding ..... W

Department of Light Technologies
Electronic-Mechanical Service Technician ..... ES,BM
Pre-Technical ..... PT
Drafting Technology ..... DT
Electronics ..... ET

Department of Mechanical Technologies
Auto Body ..... AB
Automotive Mechanics ..... AM
Heavy Duty (diesel) Mechanic ..... DM
Parts Counterman ..... PC
Small Engine Repair ..... SE

Department of Service Occupations
Child Care CC
Food Service Technology ..... FT
Horticulture Service Technician ..... HO
Office Occupations ..... OF

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)
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 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 conference, 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 an Honor 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 credtis) 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)*

496 Independent Study (1-4 credits) Individual study of either a reading or project nature. Offered on demand. Student must make application well in advance of this special study experience. May be repeated for a maximum of 9 credits; 6 credits in any one academic year. Prerequisite: consent of instructor and department chairman.

497 Special Topics (2-4 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).

499 Seminar (1-4 credits).

GRADUATE

The following numbers may be used by any department, with variable credit, to offer credits for the type of activity indicated in the titles and explanatory notes. Limits on the amount of credits of any one type (i.e., any one number category) which may be applied on a given degree will be set by the graduate council. His supervising professor or committee will determine for any one student those credits of the standardized type which may apply to his individual program.

580-589 Selected Topics

The intention is that the subjects normally offered and studied in any one department will be divided into no more than 10 areas. One of the numbers 580 and 589 will then be assigned a given area on a permanent basis. The topics considered in the courses in any one area will generally vary from semester to semester, but repeated use of any one number will always imply that the topics continue to be selected from just one area.

590 Practicum
591 Project
592 Colloquim
593 Thesis
594 Extended Conference or Workshop (Graded A through F)
595 Reading and Conference
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) semester hours, with no more than (6) credits in any one semester or session.

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

Generally, the 599 number is used 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 grades.

HP 100, 200, 300, 400 Summer Readings (1-3 credits) An opportunity and incentive for students to continue their studies during the summer when they are away from campus and faculty. Students must select their area of interest, contact a faculty supervisor, and coordinate through the Honors Program Director concerning testing and credit for the work prior to the end of spring semester. Students will register during fall registration and will complete written and oral testing as required not later than October 15 in order to receive credit or no credit.

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

SG 188, 496 Student Government Independent Study (1-3 Credits) Students who are currently serving in major student government offices may avail themselves of Independent Study in Student Government. This study will be coordinated by the Vice President for Student Affairs and may be taken in any department of the college provided an instructor is willing to direct the study. Students who are eligible for this study are (1) the Major Elected Officers (President, Vice-President, Treasurer), (2) Major Appointed Officers (Business Manager, Publicity Director, Administrative Assistant to the President, and Personnel Officer), and (3) Senators. Credits may not exceed three in any one semester or six in one academic year. A maximum of nine credits will be accepted towards graduation.

GS 501 History of Science (3 credits) (Course description Part IV of catalog)

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.

I. Systems of Thought

PY-231	Philosophy of Religion
PY-245	Metaphysics
PY-247	Epistemology
PY-249	Ancient Philosophy
PY-251	Medieval Philosophy
PY-497	Thomistic Ethics

II. History

HY-332	The Medieval Church
HY-310	The Reformation
HY-331	Islamic Civilization
HY-497	Seminar: Early Christianity

III. Literature

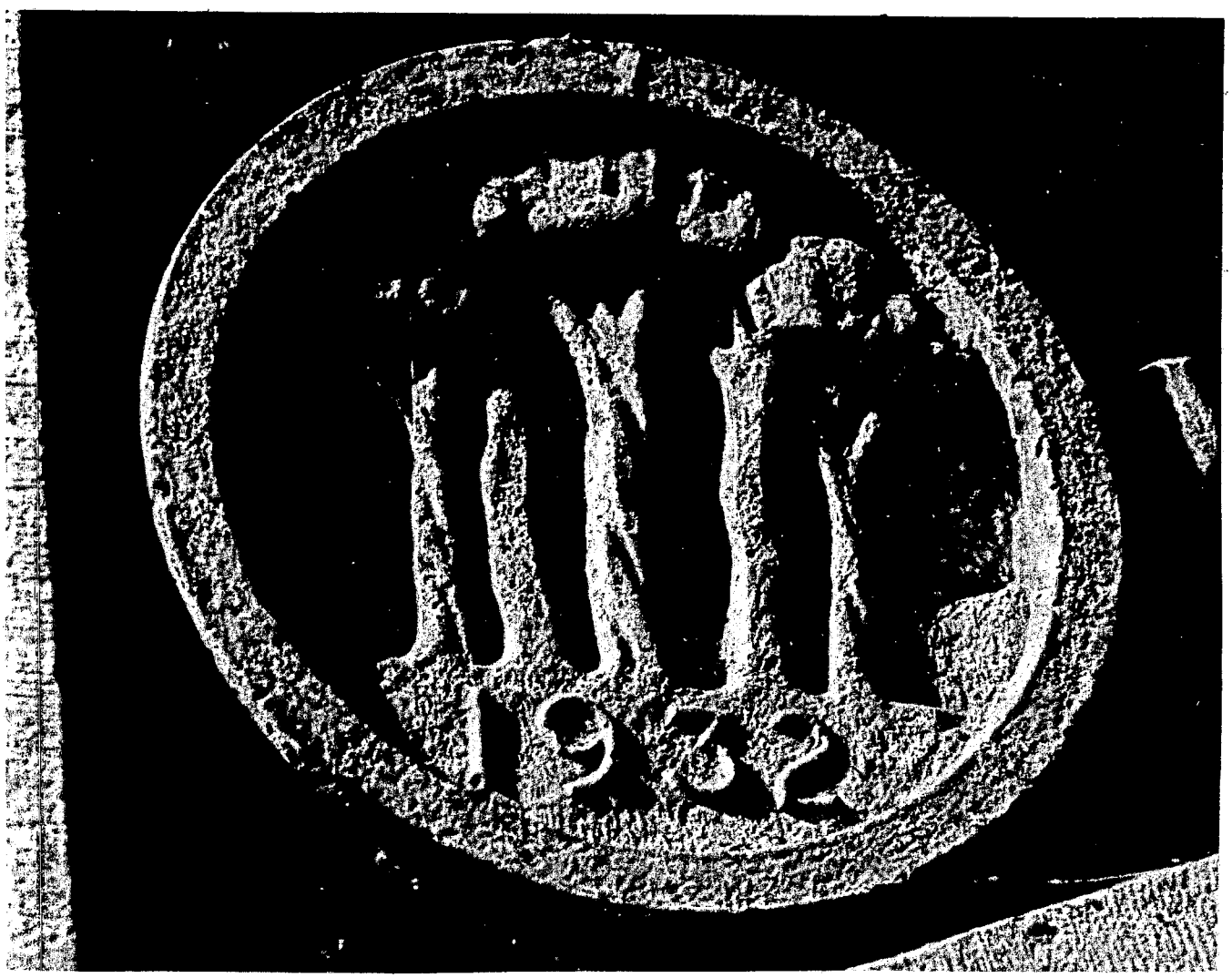
E-211	The Bible as Literature
E-215	Far Eastern Literature
E-217	Mythology

IV. Socio-Psychological Aspects of Religion

SO-407	Sociology of Religion

V. Primary Sources

GR-297	New Testament Greek
L-297	Latin



PART III

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.

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, womens', 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 Study Skills Referral program, publication of the BSU Student Handbook, the Servicemens Opportunity College program (SOC), and the Campus Locator File. Facilities and liaison are also provided for the Veterans Administration's "Veterans Representative on Campus" program.

ALL COMPLETE WITHDRAWALS FROM THE UNIVERSITY as well as student petitions, special requests, appeals, and referrals are initiated and cleared through this office. (See page 20 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 cam-

pus and/or community agencies for counseling and special assistance.

TUTORIAL ASSISTANCE

Student Advisory and 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 having difficulty and in need of additional help outside of the classroom. A regularly scheduled "Drop-In-Center" is located on campus in the Mathematics Dept.-Science Building free of charge. 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 the 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, staff 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 students, and the Ball Room with a capacity of 900 and offices for the Student Activities and Student Union Director, Associated Students, student organizations, Arbiter, and Alumni Office.

The third floor of the building consists of an elegant student lounge—"The Lookout"—with a panoramic view of the city of Boise, the campus, the mountains, and the Boise River.

The Student Union is governed by the Student Union Board of 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 operate 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, toiletry items, cosmetics, stationary, 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.

CENTER FOR COUNSELING, TESTING AND GUIDANCE

The Center for Counseling is a service designed to help students with 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 some times, problems that 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 tests may be used for self-evaluation and information. Occupational information is available.

All students are eligible for counseling. Appointments may be made by phone—extension 1601 or in person at the Counseling and Testing Center, second floor, Library Building, room 247.

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, placements 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 about 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.

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 instructor 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, 1978 — Scholarships
April 1, 1978 — 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 Berkley, California, along with a $4.50 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 1978-79 (IAFA) — submit along with FAF to CSS.
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 $600 for the period listed in (1) above.

3) Has not lived or will not live for more than two consecutive 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

Academic disqualification will automatically result in loss of financial aid, requiring completion of a minimum of 8 credit hours one semester with at least a 2.25 GPA before a student can be considered for reinstatement of financial aid.

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 Services advisors when summer plans are being made.

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 117, 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.

STUDENT AFFAIRS

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 Coordinator of High School and University Relations, 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

FEDERALLY INSURED STUDENT LOAN (7 percent Bank Loans)—The Federally Insured Student Loan program provides guaranteed loans made by authorized lendors to students. Loans are made at the discretion of the lendor. Career and Financial Services will provide OE Forms 1154 and 1260 and advise applicants which lending institutions in the area are. participating. The FAF must be filed when the ADJUSTED family income is $25,000 or greater). Portions of OE Form 1154 and 1260 must then be completed by the Career and Financial Services Office.

FOR DETAILED INFORMATION ON THE VARIOUS FINANCIAL AID PROGRAMS AND APPLICATION PROCEDURES CONTACT THE COORDINATOR 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, married student and 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. Supervision is provided for the Presidents' Council, as well as advising for the various residence hall judicial boards. The Office also serves in a counseling capacity for individuals and groups.

The Office also supervises all married student and family housing; plans for redecorating, maintaining, and refurnishing 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.

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. The hall is restricted to upper-class students or students over 21 years of age.

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

Laundry facilities are available in each of the residence halls. Linens (sheets, pillowcases, and bath towels) are **not** provided and the student must also furnish blankets (2), iron, and a study lamp (lamps are not needed in Chaffee Hall or the Towers). All residents are required as part of the housing contract to take their meals in the Student Union dining room.

Applications for room reservations should be made as early as possible. 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:

Office of 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, 1A. 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. 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 1978-79)

Fall Semester—August 27, 1978, through December 23, 1978. (Except Thanksgiving vacation, November 23 through November 26, 1978.)

Between Semesters—December 24, 1978, through January 14, 1979. Meal service will be suspended and the Snack Bar will be closed.

Spring Semester—January 15, 1979, through May 19, 1979. (Except Spring vacation, March 17 through March 25, 1979.)

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 vacation will be charged $2.25 per day.

CANCELLATION OF THE APPLICATION-CONTRACT
BY THE STUDENT (Prior to Occupancy)

The application-contract may be cancelled by the student at any time prior to confirmation of room assignment but not later than August 1 for the first semester and January 1 (new applicants only) for the second semester. Cancellations after these dates will forfeit the $45.00 application fee and security deposit.

CONDITIONS FOR TERMINATING THE CONTRACT
(After Occupancy)

Students who wish to break their contract prior to the end of the year are subject to the following terms and conditions:

1. Under all conditions, a Petition to Break Contract must be completed with the Office of Student Residential Life.

2. Students will not be permitted to break their contract prior to the end of the academic year unless there are emergency considerations and/or contingencies such as marriage, graduation, withdrawal from school or transfer to another school.

3. Any students who do not plan to return for second semester must still complete a Petition to Break Contract prior to the end of the fall semester.

4. A student withdrawing after assuming residence in the hall shall be obligated for the full amount of the room for the duration of the semester, or until another student from outside of the hall is assigned to that room, whichever comes first. The only exception to this is if the student moving out finds a regularly enrolled full-time student to take his/her place from outside the residence halls; this option can be exercised only when there is no waiting list.

5. If a student's withdrawal involves critical illness which is verified, he/she may petition for a refund. If granted, he/she will be liable for the cost of room and board during the time of occupancy.

6. Students who violate rules or whose conduct is unsatisfactory may be asked to leave the hall and/or the University, forfeiting all payments, and vacating the hall within twenty-four hours.

7. Situations with extenuating circumstances which affect the health and welfare of the student will be reviewed by the Office of Student Residential Life; recommendations will be made to the Director of Student Residential Life.

8. Refunds for termination of the contract which are approved will be made on a pro rata basis for the unused portion of room and board payments made previously. Any students who receive such a refund and who have been recipients of financial aid which has been applied towards their housing payments must assume the responsibility for repaying the appropriate financial agency from which they receive their funds.

GENERAL RESIDENCE HALL REGULATIONS

Occupancy of a hall is a privilege extended to the student by the University. The continuation is dependent upon his or her reasonable and satisfactory personal conduct and the observance of all University regulations.

1. Quarters are to be occupied only by the students for whom they are reserved. Neither room reservations nor meal tickets are transferrable.

2. The University respects the student's right to privacy; however, the University reserves the right to enter a student's room at any time for health, safety, welfare, and maintenance purposes; this usually is done with advance notice. However, in cases where there is probable cause to believe that the student is or has been violating University and/or residence hall regulations, the University can enter a student's room. This right is exercised with great discretion.

3. All residence hall contracts are for both room and board. Contracts for room only are not available.

4. Room and board payments for the academic year become due and payable prior to August 1; final confirmation of a room assignment cannot be made until financial terms of this contract are met by total payment or the three specified installments. Arrangements for payment other than the above must be made directly with the Office of Student Residential Life.

5. Students will be responsible for the furniture and fixtures in their rooms and for University property within the hall. Where individual responsibility for damages can be determined, the individual will be charged.

6. Students may not remove the furniture from the lounge areas.

7. Payment for damages during the academic year will not be taken out of or charged against the application fee and security deposit unless the damage charge is not paid. This deposit must remain intact until the end of the year or when the student leaves the University permanently.

8. PARTICIPATION IN FIRE DRILLS IS MANDATORY. Residents who fail to comply with this requirement and do not vacate the hall when the alarm rings may be asked to move out because the University cannot then accept responsibility for their safety.

9. Anyone found turning in a false alarm, tampering, damaging, or in any way using fire equipment or safety apparatus for other than its intended use will be immediately dismissed from the residence hall, fined, and subject to further action by the University authorities. Alteration of existing wiring by students is prohibited; this includes tampering with the speakers.

10. The use/and or possession of alcoholic beverages in other than the student's room is prohibited.

11. Possession of fire crackers, gun powder and/or other forms of explosives is prohibited.

12. Quiet hours extend from 7 p.m. to 7 a.m., except on "quiet hours" floors/suites where the quiet period will be longer and will be determined by the residents of that unit.

13. Each residence hall permits up to ten (10) hours visitation per day on the weeknights and twelve (12) hours on the weekends, with the hours determined by the students.

14. A student cannot block or restrict access to his room by a University official.

UNIVERSITY REGULATIONS

All students are held responsible for knowing the University regulations and information set forth in the official catalog and Student Handbook. All University rules and regulations as well as residence hall regulations are specifically made a part of this contract by reference.

PROGRAM FEES

All residence halls have a required $15.00 program fee which is set and collected by each hall government at the time the student checks into the hall. This fee is used for programs, activities, and various types of interest group projects as desired by the students.

HALL AND ROOM ASSIGNMENTS

All students must have a completed and signed application-contract filed 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 have 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.

CHRISTMAS AND SPRING BREAKS

The residence halls are officially closed during Christmas 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 $2.25 per night.

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 Thanksgiving, Christmas, Semester Break, and Spring Vacation.

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

RESIDENCE HALL ACCEPTANCE

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 obligation 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.

MARRIED STUDENT AND FAMILY HOUSING

There are approximately 180 units available for full-time (8 or more credit hours) married students, all within walking distance of the campus. Rates for the University Courts apartments are $92.00 for small one-bedroom, $122.00 for large one-bedroom, $140.00 for two-bedroom, and $160.00 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 $140.00 per month and two-bedroom apartments for $165.00 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 Married Student and Family Housing may be obtained in the Office of Student Residential Life, Room 110, Administration Building.

APPLICATION PROCEDURE FOR MARRIED STUDENT AND FAMILY HOUSING

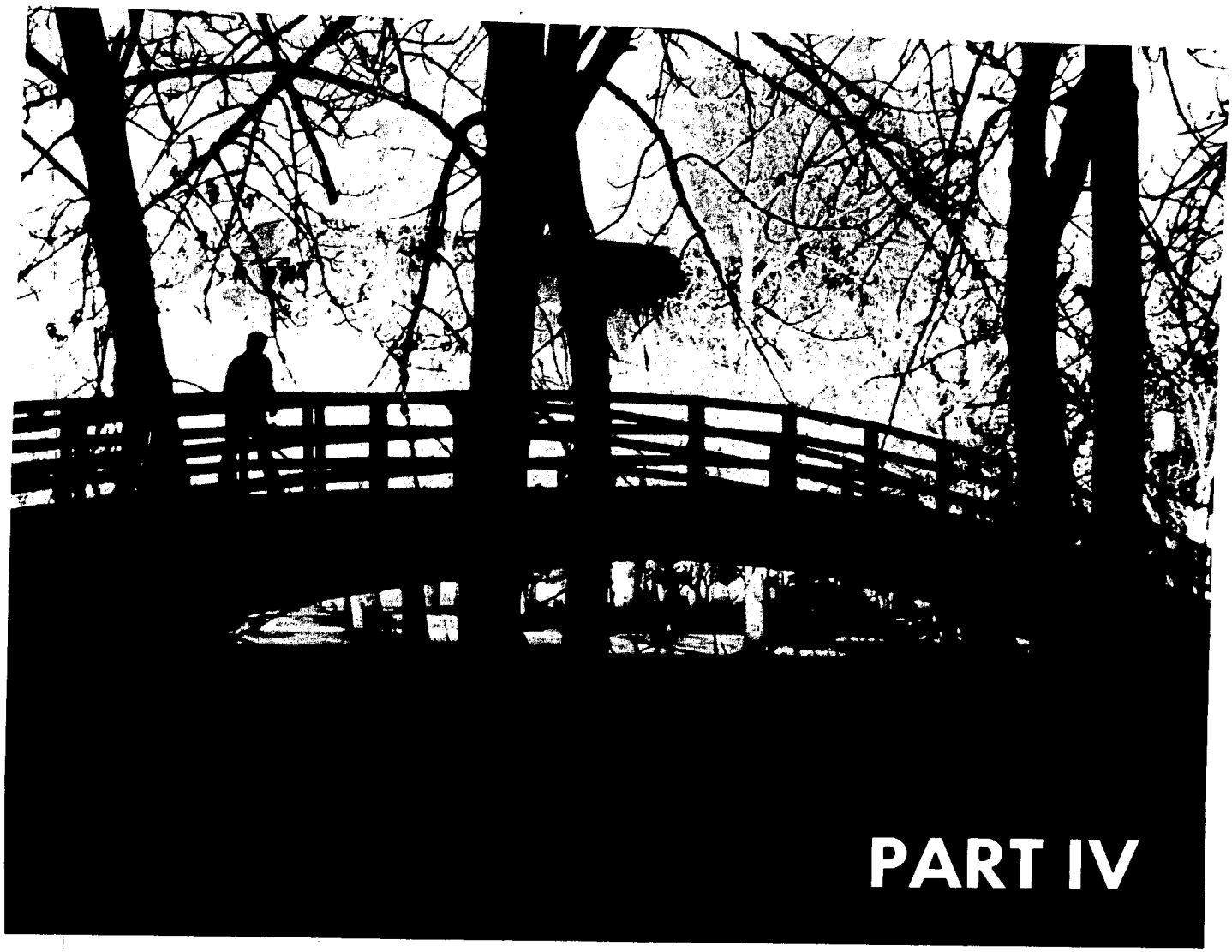
Application for Married Student and Family Housing will be processed as soon as the following procedures have been completed:

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 (children) 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 $30.00 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 ($70.00) 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 ($40.00) which brings the total deposit and fee to $70.00, 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 Married Student and 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.

PHILOSOPHY

The School believes that the purpose of men's lives is to know, to search, and to achieve, and that knowledge is necessary for the good life of free men. The School, therefore, provides an opportunity for each student to share in the accumulated experience of men of all times and places, hoping not only to lead each student to basic knowledge of the matter traditional to the School's major divisions of study, but also to stimulate students to exercise their own powers.

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, Home Economics, 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 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 a booklet 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 Deparmtnet 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; *Professor;* Takehara; *Associate Professors:* Heap, Huff, Kilmaster, Kober, Oravez, Roberts, Russell, Skov, Wright; *Assistant Professors:* Benson, Blankenship, Culley, Douglass, Ochi, Proctor, Taye, Watia; *Instructors:* Copeland, Taylor.

ART MAJOR

Lower Division—All Degrees

(Suggested Program)

I. General Art

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
Basic Design	2	2
Elementary Drawing	2	2
Elementary Painting	2	2
Art History	3	3
Lettering	2	0
*Lettering and Layout	0	2
English Composition	3	3
History (Area II)	3	3
Elective	—	3
	15-17	15-17

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Intermediate Drawing	2	2
Intermediate Painting	2	2
Introduction to Music or Drama (Area I)	3	0
Social Science (Area II)	0	3
Lab Science or Mathematics (Area III)	4	4
Electives	5	5
	16	16

II. Art Education
Freshman year (See General Art Freshman Year)

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Intermediate Drawing	2	0
Intermediate Painting	2	2
Foundations of Education	0	3
General Psychology (Area II)	3	0
Introduction to Music or Drama (Area I)	0	3
Lab Science or Mathematics (Area III)	4	4
Electives	5	4
	16	16

III. Advertising Design
Freshman year (see General Art Freshman year)

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Intermediate Drawing	2	0
Intermediate Painting	2	2
Advertising Design	2	2
Introduction to Music or Drama (Area I)	3	0
Social Science (Area II)	0	3
Lab Science or Mathematics (Area II)	4	4
Electives	3	5
	16	16

I. General Art—Bachelor of Arts Program
1. General University and Basic Core Requirements 51
2. a) Art Major Requirements
Painting and/or Watercolor 6
Drawing 6
Art History 9
Design 4
Ceramics 2
Sculpture 2
Printmaking 2
Crafts 2
Senior Seminar 3
36

b) Major Emphasis
A total of 14 credit hours from any Fine Arts area will constitute the major emphasis, which include: painting, watercolor, drawing, ceramics, sculpture, printmaking, crafts, photography.
3. Electives 41

II. Art Education—Bachelor of Arts Program
1. General University and Basic Core Requirements 51
2. Art Major Requirements
Painting 6
Watercolor 4
Drawing 6
Design 4
Art History 6
Ceramics 2
Sculpture 2
Printmaking 2
Crafts 2
Lettering 2
Senior Seminar 3
39
3. Education Requirements for Qualification Toward State Certification
Audio-Visual Aids (optional) 2
Foundations of Education 3
Secondary School Methods 3
Educational Psychology 3
Art Methods in Secondary Schools 3
Elementary School Art Methods 3
Secondary Student Teaching 6
21-23
4. Electives 17-15
128*

I. Art/Advertising Design—Bachelor of Arts Program Credits
1. General University and Basic Core Requirements 51

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

   51
3. Electives 26

I. General Art—Bachelor of Fine Arts Degree
1. General University and Core Requirements 32
2. a) Art Major Requirements
   - Painting 8
   - Drawing 8
   - Art History 12
   - Watercolor 4
   - Design 4
   - Printmaking 2
   - Sculpture 2
   - Ceramics 2
   - Crafts 2
   - Senior Seminar 3
   - Art Electives 16

   63

   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 33

128*

II. Art Education—Bachelor of Fine Arts
1. General University and Core Requirements 32
2. a) Art Major Requirements
   - Painting 8
   - Drawing 8
   - Art History 9
   - Watercolor 4
   - Design 4
   - Printmaking 2
   - Sculpture 2
   - Ceramics 2
   - Crafts 2
   - Lettering 2
   - Senior Seminar 3

   46

   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) 2
   - Foundations of Education 3
   - Secondary School Methods 3
   - Educational Psychology 3
   - Art Methods in Secondary Schools 3
   - Elementary School Art Methods 3
   - Secondary School Teaching 6

   21-23
4. Electives 29-27

128*

III. Art/Advertising Design—Bachelor of Fine Arts Degree Advertising Design Emphasis
1. General University and Core Requirements 32
2. Art Major Requirements
   - Advertising Design 10
   - Painting 8
   - Drawing 8
   - Watercolor 4
   - Design 4
   - Sculpture, Ceramics, or Crafts 4
   - Lettering/Lettering and Layout 4
   - Art History 12
   - Creative Photography 2
   - Printmaking 2
   - Advertising Illustration 6
   - Senior Seminar 3

   67
3. Professional Electives 29

128*

*A minimum of 40 credit hours of a total 128 must be Upper Division.
**A total of 6 credits, 2 of each in drawing, painting, and design, may be applied to the 20 hour major requirement in the areas of watercolor, ceramics, sculpture, printmaking, crafts, and photography.

MASTER OF ARTS IN 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 Dept. 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 of 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. Part of the program included in the art section could be that of a focus/emphasis.
   Example: Option I—Painting and Drawing
   Option II—Crafts and Sculpture
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.

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

AR 103	Introduction to Art 3 credits
AR 105-106	Basic Design 4 credits
AR 111-112	Drawing 4 credits

AR 297	Spec. Topics: History of American Architecture I & II 6 credits
AR 297	Spec. Topics: Design & The Creative Process 2 credits
AR 131	Interior Decorating 2 credits
AR 297	Spec. Topics: Architectural Graphic Communication 2 credits
AR 297	Spec. Topics: Basic Architectural Design 2 credits
AR 297	Spec. Topics: Materials and Methods 3 credits
AR 217	Watercolor 2 credits

Engineering Courses

EN 101	Technical Drawing 2 credits
EN 104	Digital Computer Programing 2 credits

English Courses

E101-102	English Composition

Math Courses

M-111	Algebra & Trigonometry
M-112	Calculus and Analytical Geometry

Physics Courses

PH101-102	General Physics

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.

Lower Division

100 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.

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

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

103 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.

105 Basic Design (2 credits). A two or three dimensional theoretical and applied study of the basic design elements underlying all art areas. Four studio hours per week. Either semester.

106 Basic Design (2 credits). A continued exploration of either two or three dimensional design elements. Emphasis on the theoretical and applied study of the structural organization underlying two or three-dimensional art forms. Four studio hours per week. Advisable to take AR 105 prior to AR 106. Either semester.

107 Lettering (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.

108 Lettering and Layout (2 credits). A study of layout, typography, lettering techniques used in advertising design, for advertising design majors. Four studio hours per week. Advisable to take AR 107 prior to AR 108. Either semester.

111 Drawing (2 credits). A study of line, chiaroscuro, space, volume, and perspective. Utilizing a variety of media; still life, landscape, plant, animal and other subject matter may be used. Four studio hours per week. Limited enrollment spring semester. Either semester.

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

113Painting (2 credits.) Emphasis on the techniques of oil, opaque and transparent water base media. Four studio hours per week. Fall semester.

114 Painting (2 credits). Emphasis on the techniques of opaque and transparent water base media. Four studio hours per week. Advisable to take AR 113 prior to AR 114. Spring semester.

115 Landscape Painting—(3 credits). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. Six studio hours per week (semester basis). First summer session.

116 Landscape Painting (3 credits). (Description same as 115 above). Second summer session.

123 Crafts (2 credits). This course is open to non-art majors. Lectures will be in the nature of crafts, the design principles, craftsmanship and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, mosaic, ceramic tile construction, batik, tie and die, creative stitchery, enameling, macrame, simple ceramic work, sheet plastic and others may be assigned. The proper use of hand tools and their safety will be stressed. Four studio hours per week. Either semester.

131 Interior Decorating (2 credits). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture. 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. Model fee. Prerequisites: AR 111 and AR 112. Either 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. Prerequisite: AR 211. Either semester.

215 Painting (2 credits). Painting in oil with emphasis on various techniques and subject matter. Four hours studio per week. Advisable to take AR 113 and AR 114 prior to AR 215. Fall semester.

216 Painting (2 credits). Creative work in oils and related media. Four studio hours per week. Advisable to take AR 215 prior to AR 216. Spring 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 outdoors from nature as well as studio work. Four studio hours per week. Advisable to take AR 217 prior to AR 218. Spring semester.

219 Figure Painting (2 credits). Painting from models with an emphasis on a representational approach; study of form, color, and composition as they relate to the human figure. Four studio hours per week. Advisable to take AR 114 and AR 112 prior to AR 219. May be repeated once for credit. Either semester.

221 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.

222 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 materials. Molding, hand building, decoration, glazing, and firing will be given. Enrollment is limited. Four studio hours per week. Prerequisite: AR 105 and AR 106. Fall semester.

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

251 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 is 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 from neoclassicism through Post-Impressionism. 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 practices. Six studio hours per week. Advisable to take AR 203 and 204 prior to AR 303. May be repeated once for credit. Either semester.

305 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.

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

309 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 oil and related media. Six studio hours per week. Advisable to take AR 113-114, AR 215-216 prior to AR 315. 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 styles, based on individual interests.. Six studio hours per week. Prerequisite: AR 219 and upper-division status, or permission of instructor. May be repeated for credit. Either semester.

321 Elementary School Art Methods (3 credits). For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed. Two lecture 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 sculptor 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 hour lecture, and four studio hours per week. Adjustable camera required. Advisable to take AR 251 prior to 341. May be repeated for credit. Either semester.

AR 344 Studio in Creative Photography, Color Printing (3 credits). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing in color. 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.

345 Studio in Creative Photography, Color Slides (3 credits). Advanced study emphasizing techniques of color slides. Color theory and composition will be covered in the course as well as the processing of slides and various methods of projections. Various approaches to lighting and laboratory work will be taught. Two 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.

AR 351 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. Either semester.

361 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-203 and AR-204 prior to AR 361. Either 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). Preparation for graduate study in opaque or transparent media. Six studio hours per week. Advisable to take AR 316 prior to AR 415. May be repeated for credit. Either semester.

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.

419 Studio in Metals (3 credits). Continued study in materials and methods (advanced) of jewelry-making and metalsmithing as they apply to the creative artist and teacher. Prerequisite: AR 221, 222, 307. 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 on welded steel and metal casting. Six studio hours per week. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.

498 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.

GRADUATE

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.

521 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.

522 Teaching Through Experimental Art Media (3 credits, every other year summer school only). 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, however, most work will be done in class. A reading bibliography will be required, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing.

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 workshopseminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. Prerequisite: Graduate status and consent of the instructor.

580-589 Series Selected Topics (3 credits each topic). An opportunity for the student to work independently with a particular teacher in a specific area of study 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 credit, previously approved for Elementary Master's Degree). Upon selection of an approved topic, the student will research it thoroughly, present an annotated bibliography, and present an oral report of the topic, utilizing visual material in his presentation. The student will then present a research paper concerning his topic. Prerequisite: Graduate standing.

DEPARTMENT OF BIOLOGY

Chairman and *Associate Professor:* Dr. Russell J. Centanni; *Professors:* Baker, Fritchman, Fuller, Jones; *Associate Professors:* Kelley, Papenfuss, Wyllie; *Assistant Professors:* Long, McCloskey, Rychert, Wicklow, Howard.

REQUIREMENTS FOR BIOLOGY MAJOR

CREDITS

I. Bachelor of Science Option
- 1. General University and Baccalaureate Degree Requirements see pages 23-26 30
- 2. Major Requirements
  - A. Biology 45
    - 1. Biology Core 12
      - General Botany 4
      - General Zoology 4
      - Cell Biology 3
      - Seminar 1
    - 2. Physiology — one course 4
      - Plant Physiology 4
      - Human Physiology 4
      - General & Comparative Physiology 4
    - 3. Morphology — one course 3-4
      - Plant Anatomy 3
      - Plant Morphology 4
      - Comparative Anatomy 4
      - Vertebrate Embryology 4
      - Vertebrate Histology 4
    - 4. Natural History — one course 3-4
      - Parasitology 3
      - Systematic Botany 4
      - Entomology 4
      - Invertebrate Zoology 4
      - Natural History of Vertebrates 4
    - 5. Biology — Microorganisms — one course 3-5
      - Microbiology 4
      - Bacteriology 5
      - Genetics ..... 3 or 4
      - Organic Evolution 3
      - BioEcology ..... 3 or 4
    - 6. Biology Electives to total 45 credits 16-19*
  - B. Chemistry 15
    - 1. College Chemistry (C-131, 132-133, 134) 9
    - 2. Elementary Organic Chemistry 6
  - C. Mathematics 10
    - 1. Mathematics 115-116 10
- 3. Recommended Electives 28
  - 1. Introduction to Biophysics
  - 2. Earth Science
  - 3. Chemistry
  - 4. Area I & II Electives

II. Secondary Education Option
- 1. General University and Baccalaureate Degree Requirements see pages 23-26 30
- 2. Major Requirements
  - A. Biology 41
    - The same for Biology Major except that Biology elective credits will range from 12 to 15*
  - B. Chemistry 15
    - The same as for a Biology Major
  - C. Mathematics 115-116 10
- 3. Recommended Electives 12
  - The same as for a Biology Major
- 4. Education Requirements 20
  - 1. Foundations of Education
  - 2. Educational Psychology
  - 3. Secondary School Methods
  - 4. Secondary Student Teaching
  - 5. Education Electives

RELATED PROGRAMS

The following programs that have been developed by and presented through the Biology Department are now offered through the School of Health Sciences. Refer to Part VII of the catalog for full information.

Medical Technology
Pre-Dental Hygiene
Pre-Dental, Pre-Medical Studies
Environmental Health
Pre-Veterinary Medicine

BIOLOGY MAJOR
Bachelor of Science

(Suggested Program)

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Gen. Botany/Gen. Zoology	4	4
College Chemistry	4	5
Mathematics	5	5
	16	17

SOPHOMORE YEAR	1ST SEM.	2ND SEM.
Cell Biology	3	—
Elementary Organic Chemistry	3	3
Biology Elective	—	4
Area I Electives	6	3
Area II Electives	3	6
	15	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Area I/II Electives	3	3
Biology Electives	10	10
Other Electives	3	3
	16	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Biology Seminar	1	—
Biology Electives	8	8
Other Electives	7	8
	16	16

BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science

(Suggested Program)

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Gen. Botany/Gen. Zoology	4	4
College Chemistry	4	5
Mathematics	5	5
	16	17

*A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Cell Biology	3	—
Elementary Organic Chemistry	3	3
Foundations of Education	3	—
General Psychology	3	—
Area I Electives	3	3
Area II Electives	—	6
Biology Electives	—	4
	15-17	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Area I/II Electives	6	3
Biology Electives	7-8	10
Other Electives	3	3
	16-17	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Biology Seminar	1	—
Biology Electives	11-12	—
Other Electives	4	—
Education Courses	—	14
	16-17	14

FORESTRY AND WILDLIFE MANAGEMENT

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Gen. Botany/Gen. Zoology	4	4
Essentials of Chemistry	4	5
Mathematics	5	5
	16	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Principles of Economics	3	3
General Physics	4	4
General Forestry	—	2
Systematic Botany	—	4
Communication	3	—
Plane Surveying	3	—
Digital Computer Programming	2	—
Physical Education	1	1
	16	14

COURSES

B BIOLOGY

Lower Division

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 such current problems as pollution, over population 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, BT 130 or Z 130 may not receive credit for B 100. Three lectures and one 2-hour laboratory period per week. Each semester.

101-102 General Biology (4 credits). A general one year introduction into 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 sciences. 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.

205 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 specializations; and the 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. Prerequisites: 1 year of college biology and concurrent or prior enrollment in organic chemistry. Each semester.

Upper Division

303 General Bacteriology (5 credits). A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Three lectures and two 3-hour laboratory periods a week. Prerequisite: Prior or concurrent enrollment in B-225 and Elementary Organic Chemistry. Fall Semester.

310 Pathogenic Bacteriology (4 credits). A course emphasizing host-parasite relationships, immunology, and those characteristics of medically important bacteria, rickettsia, and chlamydia that contribute to their pathogenicity. Laboratory studies are directed towards the identification and biochemical characterization of clinically important bacteria. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology. Spring semester.

343 Genetics—Lecture (3 credits). A study of the principles of genetics as they related to living organisms. Prerequisite: BT-130 and Z-130 or equivalent. Spring semester.

344 Genetics Laboratory (1 credit). A practical course in the techniques of growing and analyzing genetical material. The laboratory work will include exercises in culturing of *Drosophila*, and other animal and plant materials. Results of experimental work will be analyzed and reports submitted. Prerequisite: concurrent or prior enrollment in Genetics Lecture. Spring semester.

401 Organic Evolution (3 credits). History of the development of the theory of evolution. A detailed treatment of the genetic evidence supporting the theory as derived from both plant and animal examples. A discussion of the evidence for vertebrate evolution including that for man. Prerequisite: one year of college biology or equivalent. Genetics recommended. Alternates with Parasitology. Spring semester, odd numbered years.

410 Food Microbiology (2 credits). A lecture course designed for environmental health and home economics majors to introduce those microorganisms associated with foods; food processing and preservation; food spoilage; and food-borne infection and intoxication. Two lectures per week. Prerequisite: Microbiology or General Bacteriology. Fall semester.

411 Food Microbiology Laboratory (2 credits). A laboratory course taken by environmental health majors in conjunction with B-410. The course is designed to introduce those techniques necessary for the enumeration and identification of microorganisms associated with foods and food-borne illnesses. Two three-hour laboratory periods per week. Concurrent enrollment in Food Microbiology. Fall semester.

412 General Parasitology (3 credits). A general study of parasitism including the parasites of man. Lectures devoted to a phylogenetic survey of the parasitic animal groups. Laboratory provides experience in examination of host animals, detection and identification of major locally occurring parasitic groups. Two lectures and one three-hour laboratory per week. Offered alternate years with Organic Evolution. Prerequisite: B-225 or consent of instructor. Spring semester, even numbered years.

423 Bioecology (3 credits). A survey of the physical factors of the environment and the biological interrelationships of organisms and their effect on the mode of life and distribution of plants and animals. Three lectures per week. Prerequisites: BT-130 and Z-130 or equivalent. Fall semester.

424 Bioecology Laboratory (1 credit). Field investigations into the broad areas of aquatic and terrestrial eco-systems. Study of population and community dynamics, structures, fluctuations, etc. Weekend field trips will be taken. Prerequisite: concurrent or prior enrollment in Bioecology. Fall semester.

498, 499 Biology Seminar (1 credit). A review of pertinent literature on selected topics. Restricted to senior biology majors. Each semester.

BT BOTANY

Lower Division

130 General Botany (4 credits). An introduction to plant biology which includes the study of cells, genetics, whole plant physiology and functions, ecology and classification, and economic importance. Recent problems relating to world food production or others of botanical interest will be discussed. Three hours of lecture and one three-hour laboratory per week. Each semester.

201 Systematic Botany (4 credits). A laboratory, field and lecture course. The various systems of classification are discussed; terminologies employed in taxonomic literature must be mastered. Keys and manuals are employed in identifying collected specimens of local flora. Two lectures and two 2-hour laboratory periods per week or equivalent field trips. Prerequisite: BT-130 or consent of instructor. Spring semester.

Upper Division

302 Plant Anatomy (3 credits). This course is designed to acquaint the student with the internal structure of plant tissues, tissue systems and organs from a developmental standpoint. This study will be limited to the higher plants with emphasis on the Anglosperms. Two lectures and two 2-hour labs. Prerequisite: BT-130 and B-225 or consent of instructor. Spring semester.

311 Plant Morphology (4 credits). The student will become familiar with the development, physiology, anatomy, reproductive cycle and economic importances of the various plant taxa Phylogeny and paleobotany will be introduced. Three one-hour lectures, two 2-hour labs per week. Prerequisites: B-225. Organic Chemistry recommended. Fall semester.

322 Freshwater Algae (4 credits). A study of the several divisions of freshwater algae, with emphasis on collection, identification and pollution problems related to algae growths. The study would also include discussion of life cycles emphasizing how this knowledge might be used to eradicate noxious types and utilize beneficial types to recycle waste water. The course will consist of 2 lectures and 2 three-hour laboratory periods 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-307 or Z-361.

401 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, one three-hour lab per week. Prerequisite: B-225 and Elementary Organic Chemistry. General Physics or Biophysics and Plant Anatomy are recommended. Fall semester.

FS FORESTRY

Lower Division

101 General Forestry (2 credits). A general survey of the entire field of forestry, the history and social importance 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

107 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. Each 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 can not be substituted for either semester of this sequence, nor can one semester of this sequence be substituted for Z-107. Sequence beginning fall semester.

130 General Zoology (4 credits). The fundamentals of animal structure, physiology, development, heredity, evolution, adaptations, and life histories. Three hours of lecture and one three-hour laboratory 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 a 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 procedes 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, phylogeny 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. Alternate with BT-322 or Z-361. 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 Mammalogy and is thus 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. Spring 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-307.

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 taxonometric, 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, Hibbs, Peterson, Stark; *Associate Professors:* Carter, Ellis; *Assistant Professors:* Matjeka, Mercer.

REQUIREMENTS FOR CHEMISTRY MAJOR

I. Liberal Arts Option:
1. General University and Baccalaureate Degree Requirements. See pages 23-25.
2. Major requirements:

	CREDITS
A. Chemistry	44
College Chemistry	9
Organic Chemistry	10
Physical Chemistry	8
Analytical Chemistry	5
Advanced Inorganic Chemistry	4
Instrumental Analysis	4
Chemistry Seminar	2
Independent Study	2
B. Mathematics	10-18
Completion of Mathematics through Calculus M-206.	
C. Physics	11

3. Recommended Electives
Foreign Language
Upper Division Mathematics
Upper Division Physics
Life Science Courses

(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition	3	3
College Chemistry	4	5
Mathematics	5	4-5
Degree Requirements	3	—
Physics I	—	3
	15	15-16
SOPHOMORE YEAR:		
Quantitative Analysis	5	—
Mathematics	4	4
Physics II and III	3	3
Physics Lab I and II	1	1
Degree Requirements	3	9
	16	17
JUNIOR YEAR:		
Physical Chemistry	4	4
Organic Chemistry	5	5
Degree Requirements or Electives	6	6
	15	15
SENIOR YEAR:		
Chemistry Seminar	1	1
Advanced Inorganic	2	2
Instrumental Analysis	—	4
Independent Study	1	1
Degree Requirements or Electives	12	9
	16	17

II. Secondary Education Option:
1. General College and Baccalaureate Degree Requirements. See pages 23-25.
2. Major Requirements:

	CREDITS
A. Chemistry	39
College Chemistry	9
Organic Chemistry	10
Physical Chemistry	8
Analytical Chemistry	5
Advanced Inorganic Chemistry	4
Chemistry Seminar	2
B. Mathematics	10-18
Completion of Mathematics through Calculus M-206.	
C. Physics	11
3. Education Requirements	20
Foundations of Education	
Educational Psychology	
Secondary School Methods	
Secondary Student Teaching	
Education Electives	

(Suggested Program)

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
College Chemistry	4	5
Mathematics	5	4-5
Degree Requirements	3	—
Physics I	—	3
	15	15-16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Quantitiative Analysis	5	—
Mathematics	4	4
Physics II and III	3	3
Physics Lab I and II	1	1
General Psychology	3	—
Degree Requirements	—	6
Foundations of Education	-	3
	16	17

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Physical Chemistry	4	4
Organic Chemistry	5	5
Educational Psychology	3	—
Degree Requirements or Electives	3	6
	15	15

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Advanced Inorganic Chemistry	2	2
Chemistry Seminar	1	1
Secondary School Methods	—	3
Secondary Student Teaching	—	6
Degree Requirements or Electives	15	—
Audio Visual Aids	—	2
	18	14

MASTER OF SCIENCE IN EDUCATION* CHEMISTRY EMPHASIS

Admissions and Program

A. The degree program is intended to provide the high school chemistry teacher with academic courses that will enable him to perform more effectively in the chemistry classroom. Present secondary chemistry teachers have a varied background, so the program provides considerable flexibility for the individual.

B. Requirements for admission are the same as those for admission to Graduate School.

Course Offerings

A. Required Courses
1. TE-560 Secondary Education Core—6 credits
2. Thesis, project, or additional hours—3-6 credits
3. Graduate chemistry courses—12 credits

B. Elective courses
Additional courses as planned by the student and his graduate committee. GO-571 Geochemistry is to be included as an elective in the chemistry emphasis.

Additional Information

A. Students may use six (6) credits of 400G level courses to partially fulfill the degree requirements providing the graduate committee so approves.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

COURSES

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.

103 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 weeek. Prerequisite: High School chemistry or C-103 or concurrent enrollment in C-103. Concurrent enrollment in C-108 is required. Fall 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.

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-108. Concurrent enrollment in C-110 is required. Spring semester.

110 Laboratory for Essentials of Chemistry (2 credits). The laboratory to accompany C-109. 6 lab hours per week. Prerequisites: C-107 and C-108. Concurrent enrollment in C-109 is required.

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: Math 111, 115 or math ACT of 18 or higher or concurrent enrollment in M-111 or M-115. Concurrent enrollment in C-132 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-131-132-133-134. Each semester.

211 Quantitative Analysis (3 credits). Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analyses. 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

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.

318 Organic Chemistry Lecture (3 credits). An in-depth study of organic reaction mechanisms, reaction theory, and advanced organic synthesis. Three lectures per week. Prerequisite: Chemistry C-317-319. Spring semester.

319 Organic Chemistry Laboratory (2 credits). This course covers basic laboratory techniques used in Organic Chemistry and selected compound preparations. Two three-hour labs per week. Concurrent credit enrollment in Chemistry C-317 is required. Fall semester.

320 Organic Chemistry Laboratory (2 credits). This course covers spectroscopic methods, spectral interpretation, and qualitative organic analysis. Two three-hour labs per week. Prerequisite: Chemistry C-319. Concurrent credit enrollment in Chemistry C-318 is required.

321-322 Physical Chemistry Lecture (3 credits) The fall semester will cover gases, point symmetry, absorption, molecular structure and quantum theory (briefly) and the first, second and third laws of thermodynamics. The spring semester continues with thermodynamics, reaction kinetics, phase equilibria, electrochemistry and adsorption. Three lectures a week. Prerequisites: Chemistry C-131-132-133-134. General Physics PH-102 or Physics 221 and Calculus and Analytic Geometry M-206 or equivalent. A year sequence (fall and spring).

323-324 Physical Chemistry Lab (1 credit). Laboratory experiments paralleling the material covered by the lectures. Prerequisite: C-321, 322 or concurrent enrollment. A year's sequence (fall and spring).

341, 342 Glassblowing (1 credit). Chemistry 341 is designed to acquaint the student with the basic techniques of scientific glassblowing. Practice in end to end joints, T-seals, ring seals, flaring, rounded ends and bulbs. Chemistry 342 is designed to give the student practice in the above techniques by the construction of more complicated apparatus such as distillation equipment. One three-hour lab per week. Prerequisite: Junior standing. Each semester.

401-402G Advanced Inorganic Chemistry (2 credits). The first semester will cover atomic and molecular structure periodic properties, acid-based properties and the chemistry of the elements. The second semester includes chemical bonding, complex ions, coordination compounds, nonaqueous solutions 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 labs per week. Prerequisite: Quantitative Analysis C-211 and C-320 Organic Chemistry. C-320 may be taken concurrantly 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 concurrent enrollment. Fall semester.

433G 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.

498, 499 Chemistry Seminar (1 credit). Group discussions of individual reports on selected topics in the various fields of Chemistry. Prerequisite: Chemistry Major and Senior standing. Each semester.

Graduate

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 semeester.

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, redioactive decay laws, interaction of radiation with matter, detection of radiaction, applications. Prerequisite: One year of general chemistry. Spring 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.

DEPARTMENT OF COMMUNICATION

Chairman and Professor: Dr. Robert R. Boren; *Associate Professor:* Boylan, Cox, Gephart, Pitman; *Assistant Professors:* Barry, DeMoux, Parker, Rayborn; *Instructors:* Craner.

REQUIREMENTS FOR COMMUNICATION MAJOR

1. Completion of general university requirements for Bachelor of Arts degree as listed on pages 23-25.

2. Requirements for Communication major: all majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:

		Credits
CM 111—	Fundamentals of Speech Communication	3
CM 201—	Methods of Inquiry	3
CM 221—	Communication Process	3
CM 421—	Theories of Communication	3
CM 498—	Communication Seminar	2
	Courses for Area of Emphasis	26-29
	Total	40-43

COMMUNICATION MAJOR
Bachelor of Arts Program

(Suggested Programs)

INTERPERSONAL COMMUNICATION EMPHASIS

			Credits
1. General College Requirements			
2. Departmental Core Requirements			14
3. Suggested Courses as follows:			
A.	CM 131	Listening	
	CM 251	Communication in the Small Group	
	CM 307	Interviewing	
	CM 431	Small Group Process	8-9
B.	CM 171	Mass Communication: Concepts and Perspectives	
	CM 341	NonVerbal Communication	
	CM 351	Intercultural Communication	
	CM 361	Organizational Communication	
	CM 412	Persuasion	
	CM 478	Public Relations	8-9
C.	CM 321	Rhetorical Theories	
	CM 331	Message Analysis and Criticism	
	CM 332	Contemporary Public Communication	3
D.	CM 112	Reasoned Discourse	
	CM 113	Competitive Speaking	
	CM 121	Voice and Diction	
	CM 231	Message Composition and Presentation	
	CM 241	Oral Interpretation	
	CM 271	Journalistic Communication: Theory and Practice	
	CM 273	Reporting and News Writing	
	CM 312	Applied Speech Communication	
	CM 451	Communication Practicum	
	CM 471	Radio-TV Newswriting	6-7
		Total	40-43

MASS COMMUNICATION EMPHASIS:

1. General College Requirements			
2. Departmental Core Requirements			14
3. Suggested Courses, as follows:			
A.	CM 171-172	Mass Communication: Concepts and Perspectives	6
	CM 271-272	Journalistic Communication Theory and Practice	6
		Departmental Electives	14
		Total	40

SECONDARY EDUCATION EMPHASIS:

1. General College Requirements			
2. Departmental Core Requirements			14
3. Education requirements. (See Section VI) Secondary Education)			
4. Suggested Courses, as follows:			
A.	CM 241	Oral Interpretation	3
	CM 401	Methods of Teaching Communication	3
B.	CM 112	Reasoned Discourse	
	CM 113	Competitive Speech	
	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.....3
E. CM 171 Mass Communication: Concepts and Perspectives
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 45 credits.

JOURNALISTIC COMMUNICATION EMPHASIS

1. General College Requirements
2. Departmental Core Requirements .....14 hours
3. Other Required Courses.....21 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 493 Internship—6
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 274 Reporting and News Writing
   - CM 307 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

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

History
Economics
English
Political Science
Psychology
Social Science
Performing and Spatial Arts

OR any other program listed on page 26 of B.S.U. Catalogue (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, CM271 or 272.....3
Communication Process, CM 221 3
Rhetorical Theories,. CM 321 3
Theories of Communication, CM 421 3
Communication electives (UD) 9

27 hrs.

ENGLISH
Literature Survey[1].....6
Composition above the basic sequence[2] 6
Introduction to Language Study, LI 305 3
Literature electives* (UD).....12

27 hrs.

(Add Senior Seminar—either CM 498 or E498—2 hrs.)
Total Hrs.: 56 (27 & 27 & 2)

*3 hrs. in courses before 1800

B. With **Communication** emphasis. Departmental requirements

COMMUNICATION
Fundamentals of Speech Communication, CM 111 3
Methods of Inquiry, CM 201 3
Communication Process, CM 221 3
Rhetorical Theories, CM 321 3
Organizational Communication, CM 361 3
Theories of Communication, CM 421 3

18 hrs.
Electives (UD) 9

27

ENGLISH
Literature Survey[1].....6
Humanities HU 207 or 208.....3
Advanced Writing & Linguistics[3].....9

18 hrs.
Electives (UD) 9

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)

[1]British or American. Student should consider upper-division courses he will want to take.
[2]To be chosen from Advanced Expository Composition (E-201), the Creative Writing sequence or technical writing.
[3]To be chosen from E-201, Technical Writing, LI 305, LI 307, LI 309.

COURSES

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 critically consuming 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 Intercollegiate Debate (1 credit). Preparation for and participation in competitive debate using the current intercollegiate debate topics. Prerequisite: permission of the instructor. CM-114 and 314 may be repeated for a total of 4 credits.

121 Voice and Diction (3 credits). Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech.. Phonetics used as a base for acquiring skill in articulation of standard American speech. An investigation of the student's individual speech problems.

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.

171, 172 Mass Communication: Concepts and Perspectives (3 credits). A survey of communication theory as related to current practice of the mass media. Emphasis is placed on the examination of the consumer of mass communication. Not to be taken concurrently with CM 271-272. Cm 171-Fall Semester. CM 172-Spring semester.

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.

221 Communication Process (3 credits). An examination of the nature of human communication. Focuses through experiental 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.
271, 272 Journalistic Communication: Theory and Practice (3 credits). An experiential based study of journalistic theory and practice. Emphasis is placed on the production of mass media content, through closed circuit radio and television productions and laboratory publications. Not to be taken concurrently with Communication 171-172. CM 271-Fall semester, CM 272-Spring semester.
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.
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.
314 Intercollegiate Debate (1 credit). Preparation for and participation in competitive debate using the current intercollegiate debate topics. Prerequisite: permission of the instructor. CM-114 and 314 may be repeated for a total of 4 credits.
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 sign systems. 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.
361 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.
379 Communication Graphics (3 credits). Theory and practice of graphic design and production of mass media products. An exploration of the communication effects of typefaces, paper, design, layout, printed and electronic images. Prerequisite: AR-108.
401 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 co-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," five and ten minute broadcasts. Prerequisite: Reporting and Newswriting CM 273-274 or consent of instructor.
472 Editorial and Feature Writing (3 credits). A study of methods of gathering material, constructing, and writing editorials, feature articles or programs and scripts for mass media.
478 Public Relations (3 credits). Analysis of public relations media and methods. Public relations as a management tool. Identifying and reaching the various publics. Practice in writing publicity releases.
498 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, Wright; *Associate Professors:* Maguire, Mullarey, Nigliazzo, Peek, Wallace, E. Willis; *Assistant Professors:* Ackley, Brooks, Burmaster, Chambers, Cocotis, Evett, Hadden, Hansen, King, Leahy, McCurry, McGuire, Nickerson, Sahni, Sanderson, Selander, Trusky, Warner.

REQUIREMENTS OF ENGLISH MAJORS
Bachelor of Arts Degree

I. Completion of general university requirementsfor Bachelor of Arts. See Pages 23-25.

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-393) 3
    e. Senior Seminar (E-498) 2
  2. Area Requirements
    a. American Literature (E-270, E-377, E-378 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

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. Secondary Education Option
    a. Applied English Linguistics (LI-307) 3
    b. English Methods Courses (E-301 and E-381)** 6
    c. Oral Interpretation (CM 241) 3
    d. Upper Division English Electives 9
    e. Idaho Certification requirements

Grand Total
  1. Liberal Arts Option—General university requirements, plus 44 hours in major subject plus equivalent of 2 years of a foreign language.
  2. Secondary Education Option—General university requirements plus 35 hours in major subject, plus professional courses

in certification. (See Part VI for required Professional Education courses).

*Fulfills Area I requirements.
**Fulfills part of certification requirements.

Suggested Teaching Minor in English

Students who desire a teaching minor in English need no planned program to become certified, but in order to offer a student the best preparation and job qualification, the Department of English recommends the following program which it thinks constitutes a solid minor in English. An advisor in English will assist a student wishing to follow such a minor or portion of it, if the student prefers.

Advanced Composition	3
Linguistics	3
E-301 or E-381	3
Survey of American Literature	4
Lower Division Literature	6*
Upper Division Literature	6

* Recommended: Humanities, HU 207 and HU 208; World Literature, E-230 and E-235; British Literature E-240 and E-260.

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	

One of the following:

TA-341,	World Drama, 500 B.C. to 1570	
TA-342,	World Drama, 1570 to 1870	
TA-343,	World Drama, 1870 to 1960	
TA-445	Contemporary Theatre	
TA-401,	Directing	3

21 hours

Courses Applying to Both Disciplines

One of the following:

E-345,	Shakespeare: Tragedies and Histories	3
E-346,	Shakespeare: Comedies and Romances	

3 hours

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 47 under the Department of Communication for the listing of requirements.

Graduate Program
Master of 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 what steps 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 nine hours of the English courses must be at the 500 level.

E-500	3
E-593 or E-595x	3-6
Graduate English electives (except E-501)	12
Education Core (TE-560)	6
General Graduate electives (may include E-501)	9
	33

2. An introductory seminar, fifteen hours of graduate English courses, six hours from the Education core, nine hours of general graduate electives and a written and oral examination on graduate English coursework. At least twelve hours of the English courses must be at the 500 level.

E-500	3
Graduate English electives (except E-501)	15
Education Core (TE-560)	6
General graduate electives (may include E-501)	9
Examination on English coursework	—
	33

XCandidates electing a **thesis** will defend it orally. Candidates electing a **project** will take a written and/or oral exam covering the project and graduate coursework in English.

COURSES

E ENGLISH

Students who transfer from other schools with qualifying scores on objectives 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

010 Developmental Writing (Non-Credit). The fundamentals of grammar, composition and reading required of students with ACT Group 1 Probability scores of below 20 or students whose first writing in E-101 is deficient. For students wishing basic review. Each semester.

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

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 Chairman. Each semester.

111, 112 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 lyric, poetry, essays, and short fiction; 112, on epic, drama, and the novel. Normally students must have an ACT of 80 or above for E 111. For E 112, prerequisite of E 111 or consent of Department Chairman.

120 English as a Second Language (3 credits). Basic skills in American English pronunciation, sentence structure, composition and reading for foreign students with TOEFL scores (or equivalent) of 500 or below. Practice in speaking and listening to current American English; reading and vocabulary development; elementary principles of English Composition. Prerequisites: Admission to college recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

121 English as a Second Language (3 credits). Continuation of E-120 with special emphasis on vocabulary development, reading and development of skills in written English. For foreign students with TOEFL scores (or equivalent) of 500-550. Prerequisites: Admission to College, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

122 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 requirement for foreign students.

123 Advanced English Composition for Foreign Students (3 credits). Study of and practice in the principles of formal and informal written English; principles of the essay and research paper; continuation of vocabulary development and mastery of the more complex

types of English structure. Prerequisites: 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.

201 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. Prerequisite:E 102 or consent of Department Chairman. Each semester.

202 Technical Writing (3 credits). Practice in writing the main kinds of reports used in the sciences, social sciences, health sciences, and other fields in which writing about facts and ideas must be accurate and unambiguous. Students will work on improving the logic, organization, and persuasiveness of their writing. They will practice techniques of research and documentation in their respective fields. Will not fulfill Area I graduation requirements. Either semester. Prerequisite: E-102 or consent of department chairperson.

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

206 Creative Writing—Fiction (3 credits). Short story or playwriting. Prerequisite: instructor's consent based on evaluation of student's original work. Spring semester.

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

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

215 Far Eastern Literature, In Translation (3 credits). A survey of literature of Far Eastern countries with the major emphasis on China, India, and Japan. Included will be an introduction to the cultural and religious milieu of each country covered in the course. Prerequisite: E 102. Spring semester.

217 Mythology (3 credits). Thematic approach to mythology. Covers creation myths,, death rituals, and cultural concepts of the hero. Includes material relating myth to religion, the occult, modern psychology, literature, and general Western culture. Prerequisite: E 102. Fall semester.

219 North American Indian Folklore and Literature (3 credits). A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The content, form, and style of oral narratives and the functions which these narratives serve in preliterate societies receive particular emphasis. Prerequisite: E 102. Fall semester.

230 Western World Literature (3 credits). This course is an introduction to the cultural and literary history of Western civilization through some of the best plays, stories and novels written. Reading includes selections from the earlier periods: ancient Greece, imperial Rome, medieval Europe, and Renaissance Europe. Prerequisite: E-102..Fall semester.

235 Western World Literature (3 credits). A continuation of E-230, which focuses on the survival and reassertion of traditional Western values and attitudes along with the skepticism and rebellion which has become characteristic of more recent times. Reading includes selections from the European Age of Enlightenment, the Romantic, Realistic and Naturalistic movements in Europe and American, and twentieth century Western civilization. Prerequisite: E-102. Spring semester.

240 Survey of British Literature to 1790 (3 credits). A study of the major works, authors, and developments in English literature. The course is intended to provide a background for understanding the literature of English speaking people. Prerequisite: E-102. Fall semester.

260 Survey of British Literature: 1790 to Present (3 credits). A study of the major works, authors, and developments in English literature of the past 200 years. The course continues the coverage of E-240 to the present. Prerequisite: E-102. Spring semester.

270 Survey of American Literature (4 credits). The course traces the artistic, philosophic, social, scientific, and intellectual influences on American writers and the emergence of an independent American outlook. Reading is selected from American authors representative of their time and region. Prerequisite: E-102. Each semester.

Upper Division

301 Teaching 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 and a major or minor in English, or consent of the department. Prerequisites: Upper Division standing, and LI 305, Introduction to Language. Studies, or inservice teaching. Either semester.

305 Advanced Poetry Composition (3 credits). Prerequisite: instructor's consent based on evaluation of student's original work. Spring semester.

306 Advanced Fiction Composition (3 credits). Short story or playwriting. Prerequisite: instructor's consent based on evaluation of student's original work. Fall semester.

336 Nineteenth-Century Continental Literature (3 credits). A study (in translation) of major European writers of the Nineteenth Century. Specific reading selections vary each semester, but keep within a chronological approach stressing the relationship of the literature to the socio-economic and political conditions of the times. Included are works by Geothe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky, and Tolstov. Prerequisite: Junior standing and E 102 or consent of Department Chairman. Fall semester, alternate years. To be offered 1978-79.

338 Twentieth-Century Continental Literature (3 credits). The readings (in translation) used for Twentieth Century Continental Literature especially emphasize twentieth century philosophical trends and cultural themes. Included in the course are works by Mann, Mauriac, Lagerkvist, Kafka, Hesse, Grass and Solzhenitsyn which examine mythological, existential, religious, and political themes in relation to contemporary human values. Prerequisite: Junior standing and E 102 or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

340 Chaucer (3 credits). A study of representative works of Geoffrey Chaucer with emphasis on *The Canterbury Tales* and *Trolius and Criseyde*. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Fall semester, alternate years. To be offered 1978-79.

341 Medieval Epics and Romances (3 credits). A study of representative English and Continental epics and romances, which include *Beowulf, Sir Gawain and the Green Knight, Chretien de Troyes' Arthurian Romances, The Song of Roland, The Niebelung enlied, The Cid*. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1977-78.

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

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

347 Spenser (3 credits). Prerequisite:Three units lower division literature or consent of Department Chairman. A study of the *Faerie Queene* and minor works. Either semester, alternate years. To be offered 1977-78.

348 British Renaissance Non-Dramatic Literature (3 credits). A study of British poetry and prose from the sixteenth century, including works by More, Marlowe, Spenser, Sidney, Shakespeare, and Bacon. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester, alternate years to be offered 1978-79.

349 Elizabethan and Jacobean Drama (3 credits). A study of Elizabethan and Jacobean comedies and tragedies, which include representative works of such playwrights as Kyd, Marlowe, Jonson, Thomas Heywood, Beaumont and Fletcher, Dekker, Greene, Tourneur, Chapman, Middleton, Webster, and Ford. Prerequisite: Three credits lower division literature or consent of Department Chairman. Either semester, alternate years. To be offered 1978-79.

350 Earlier Seventeenth Century Non-Dramatic Literature (3 credits). A study of poetry and prose written by English authors such as Donne, Jonson, Bacon, Burton, and Marvell, who flourished during the first sixty years of the 17th century. Prerequisite: Three credits lower division literature or consent of Department Chairman, alternate years, fall semester. To be offered 1977-78.

351 Milton (3 credits). A study of selected prose and poetry of John Milton with special emphasis on *Paradise Lost, Paradise Regained* and *Samson Agonistes*. A special attention will be given to intellectual, religious and historical milieu of Milton's age. Prerequisite: Three credits lower-division literature or consent of Department and Blake. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

355 Dryden Pope and Their British Contemporaries (3 credits). An in depth study of two of the masters of "neoclassic" poetry and other literary trends. The course will also provide an introduction to Restoration drama, the periodic essay, modern prose fiction and the various modes of satire popular in England Between 1660 and 1740. Prerequisite: Three credits lower division literature or consent of Department Chairman. Alternate years, fall semester.

357 Swift, Johnson and Their British Contemporaries (3 credits). A study of the satire and philosophy of two of Britain's best known writers. A look also at the various currents which cross a period in which the "Enlightenment" gave way to modern outlooks. Other authors read usually include Fielding, Sterne, Gray, Gibbon, Burke, and Blake. Prerequisite: Three credits lower division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

359 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 emergence of the most popular genre of literature helps us to understand how fiction reflects our assumptions about the world around us. Prerequisite: Three credits lower division literature or consent of Department Chairman. Fall semester.

360 British Romantic Poetry (3 credits). A study of representative poems and supplemental statements 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.

365 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 1977-78.

366 Victorian Prose (3 credits). A study of the intellectual and spiritual crises of mid-19th century Britain, as represented in the non-fiction prose of such writer's as Carlyle, Arnold, J.S. Mill, Huxley, Newman, and Ruskin. Prerequisite: Three credits of lower-division literature or consent of Department Chairman. Spring semester, alternate years. To be offered 1978-79.

369 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 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, Poe and Whitman, acting under the varied inpulses of Puritanism, 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. Either 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 their basic belief that literature should be written about the average person in the light of common day. Such related theories and ideas as Social Darwinism, psychologism, 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: Introduction to Language Studies LI 305. Fall semester.

384 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 Wister, 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, Ellison, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. Prerequisite: Three credits lower-division literature or consent of Department Chairman. Either semester.

389 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.

390 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.

393 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-201.

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.

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

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-597, 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 and 488G see above.

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 theory to stylistics and prosody. Prerequisite: E-500 and a linguistics course equivalent to LI-305 or consent of English Department Chairman.

510 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 his work, the society and culture of the times, his place and stature in the genres in which he worked, his use or disregard of tradition, as well as an investigation of contemporary criticism and critical evaluation since his time. 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.

540 Myth in Literature (3 credits). An exploration of the use of myth in literature, both as a structuring influence as well as a source of content. While attention will be given to the nature and working of myth itself, focus will be on the ways it enters into the conscious creation of fictive art. Mythic themes may be explored, such as the quest, the initiation, the Adamic myth in American literature, or the functions of myth in the work of major authors such as Milton, Melville, T. S. Eliot, Joyce. Prerequisite: E-500 or consent of the English Department Chairman.

550 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 culture 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.

560 Folklore (3 credits). An examination of materials selected from oral tradition and custom with attention to be paid to aspects of collecting, classifying, comparing, analyzing, and achieving. Theories of folklore composition, transmission, and function will be related to the use of folklore in the classroom. Prerequisite: E-500 or consent of English Department Chairman.

570 Literary Movements (3 credits). A focus on a significant literary movement, the works of its major and minor contributors, its theories and its practice, its relation to its time, its place in literary history, its influence on writers past and present. Prerequisite: E-500 or consent of English Department Chairman.

593 Thesis (3 to 6 credits). A scholarly paper containing the results of original research. Prerequisite: Admission to candidacy and approval of the student's graduate committee.

595 Reading and Conference: (3 to 6 credits). A project may include, but is not limited to, a library research paper or experimental research on some aspect of pedagogy or preparation of written curriculum with teaching materials. Prerequisite: Admission to candidacy and approval of the student's graduate committee.

HU HUMANITIES*

207, 208 Introduction to Humanities (3 credits). Definitions and redefinitions of culture: man's pursuit of meaning in literature, art, music, and drama. The origins, limits, and uses of the 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

305 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.

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

309 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 1977-78.

*Interdisciplinary courses are available through a program funded by the National Endowment for the Humanities. Information is available in Liberal Arts room 102.

DEPARTMENT OF FOREIGN LANGUAGES

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

GERMAN MAJOR

From the core of German courses and from the University course offerings, German majors may map out a program to suit their own objectives. They may wish to acquire special secondary skills or knowledge (which is encouraged). However, they must be consistent with the following requirements:

1. Completion of general college requirements for Bachelor of Arts degree as listed in the Bulletin (See pages 23-25.)

2. The program has a minimum of 36 semester hours of upper division work (300 and 400 levels), 30 of which must be in German.

3. 12 credit hours of the German work must be on the 400 level.

4. Majors with the Secondary Education Option must take FL 412. G 410 is strongly recommended.

5. The candidate for the BA in German, Liberal Arts Option must successfully complete one Senior Seminar

6. The program must be developed in consultation with the major advisors and the department chairman

7. 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

SCHOOL OF ARTS AND SCIENCES

SPANISH MAJOR

From the core of Spanish courses and from the University course offerings, Spanish majors may map out a program to suit their own objectives. They may wish to acquire special secondary skills or knowledge (which is encouraged). However, they must be consistent with the following requirements:

1. Completion of general college requirements for Bachelor of Arts degree as listed in the **Bulletin.** (See pp. 23-25.)

2. The program has a minimum of 36 semester hours of upper division work (300 and 400 levels), 30 of which must be in Spanish

3. 12 credit hours of the Spanish work must be on the 400 level

4. Majors with the Secondary Education Option must take Fl 412 and S 410

5. The candidate for the BA in Spanish, Liberal Arts Option must successfully complete one Senior Seminar

6. The program must be developed in consultation with the major advisors and the department chairman

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

REQUIREMENT FOR A FOREIGN LANGUAGE TEACHING MINOR

In order to be recommended by the Department of Foreign Languages to teach a foreign language, the student must have completed the following; 6 hours of upper division composition and conversation in the foreign language; 6 hours of upper division literature and 6 hours of culture and civilization in the same language; 3 hours of methods of teaching foreign languages.

Placement Test

Students with previous experience in foreign language must take the FL Placement Test administered at the beginning of each semester (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 the Department. Credit for previous work can be gained.

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 objectives, 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 devleop 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 of 9 upper division credits in one foreign language or permission of the instructor and chairperson. Offered in alternate years. Not offered 1980.

F FRENCH

Lower Division

101-102 Elementary French (4 credits). This course is designed to develop the beginning student's abilities in understanding, speaking, reading and writing French. Required laboratory practice (1 hour week) develops pronunciation and listening skills. Classes meet 4 times a week. Students may not enroll in 101 for credit if they have had more than one year of high school French or equivalent. With permission of the instructors, it is possible for a student enrolled in 102 and who lacks adequate preparation to drop back to 101. Each semester.

201, 202 Intermediate French (4 credits). A continuation of the 101-102 sequence, designed to further develop language skills, both written and oral. Classes are conducted in French. Some outside reading may be . required. One hour per week of laboratory practice is required. Class meets four times a week. Prerequisite: 102 or equivalent. Each semester.

Upper Division

301, 302 Survey of French Literature (3 credits). An introduction to the major writers and trends of the French literary tradition. Selections and complete works of poetry, fiction, theatre, and essay are studied. In the first semester, the Middle Ages through the 18th century are covered; in the second semester, the 19th and 20th centuries. Classes are conducted in French. Prerequisite: 2 years of college French or equivalent. Meets the literature requirement for baccalaureate degrees. Offered alternate academic years.
303, 304 French Composition and Conversation (3 credits). Intended to further stimulate clarity, simplicity, and precision in oral and written French; and to lay the foundations for literary studies. Class conducted in French. Prerequisite: 2 years of college French or equivalent. Offered in alternate academic years.
305 French Culture and Civilization (3 credits). Coverage of French civilization from prehistoric beginnings to the French Revolution. Special attention to contributions to the development of western civilization. Folloiwng topics are treated: Geography, history, French literature, Paris, art, sciences, French educational system, French life. All lectures and discussions are conducted in French. Some outside reading in English. Prerequisite: 2 years of college French or equivalent. Fall semester. Offered in alternate academic years.
306 French Culture and Civilization (3 credits). Coverage of French civilization from the Napoleonic era to the present. Special attention to contributions to the development of western civilization. Following topics are treated: Geography, history, French literature, Paris art sciences, French education system, French life. All lectures and discussions are conducted in French. Some outside reading in English. Prerequisite: 2 years of college French or equivalent. Spring semester. Offered in alternate academic years.

G GERMAN

Lower Division

101-102 Elementary German (4 credits). This course emphasizes listening, speaking, reading and writing skills. Readings include cultural subject matter. Minimum of one hour lab work per week expected. Four class contact hours per week. Each semester. Students may not enroll in 101 for credit if they have had more than one year of high school German or equivalent. With permission of the instructor, it is possible for a student enrolled in 102 and who lacks adequate preparation to drop back to 101. Each semester.
201-202 Intermediate German (4 credits). A continuation of G 101-102, this course emphasizes listening, speaking, reading and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections and writing assignments. Minimum of 1 hour lab work per week. Prerequisite: G102 or equivalent as determined by placement examination and consultation.

Upper Division

303 Advanced German Conversation and Composition (3 credits). Intended to give students practice towards idiomatic fluency in language skills. Current German newspapers, magazines and modern essays, films, tapes, slides, etc. form the basis of classroom discussion. Lab work and frequent writing required. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.
304 Advanced German Conversation and Composition (3 credits). A continuation of G 303 with same basic objectives. However, closer attention paid to style and free composition. 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 in 1978-79.
331 Introduction to German Literature and Literary Studies (3 credits) Major writers and periods provide samples from various genres and an overview of German literary development. The course is intended to provide insights into literary craftsmanship. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in 1978-79.
376 German Culture and Civilization (3 credits). German civilization from pre-historic times through the 18th century. Special attention paid to contributions of Germany, Austria and Switzerland to western civilization. Classes conducted in German. Some outside readings in English. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.
377 German Culture and Civilization (3 credits). German civilization from 1800 to the present. Special attention paid to contributions of Germany, Austria and Switzerland to western civilization. Classes conducted in German. Some outside reading in English. Prerequisite: G-202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.
410 Applied Linguistics for the German Language Teacher (2 credits). Application of the main concepts, aspects and features of modern linguistics to specific problems entailed in the teaching of the German language. Functional application of linguistic theory to foreign language teaching and learning practices with emphasis on the analysis of the ways in which traditional, descriptive, and transformational models deal with the system of language in the areas of phonology, morphology and syntax. Prerequisite: LI 305 and a minimum of 6 credits of upper division. German and/or in-service teaching and/or equivalency as determined by placement test and interview. Alternate years.
415 Die Aufklarung and der Sturm und Drang (18th Century) (3 credits). Essays, plays, fictional prose and poetry offer the student a picture of the literary and intellectural ferment marking the Enlightenment and the "Storm and Stress." Reading selections will be taken from the writings of Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R., Lenz, the early Goethe and Schiller and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.
425 Der Traum der Antike und die Traumwelt (1780-1830) (3 credits).. Readings from the Classical and Romantic periods are discussed within their general literary and historical context. Selections taken from Goethe, Schiller, Hölderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.
435 Reaktion: Liberal und Konservativ (19th Century) (3 credits). Reading selections allow the student to contrast and compare a wide cross-section of German authors of the 19th century. Readings for the works of Büchner, the "Young Germans", Grillparzer, Hebbel, Gotthelf, Keller, Stifter, Storm, C. F. Meyer, and others. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

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, Neue Sachlichkeit, Blut und Boden Literature, and Exile Literature. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

455 "Als 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. Austrian, East German, Swiss and West German writers. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

465 Ritter and Bauer, Gott and Mensch (1150-1720) (3 credits). Survey covering the German literary development during the Middle Ages, Renaissance, Reformation and Baroque. Readings taken from the heroic and courtly epics, the Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays, from the writings of Angelus Silesius, Gryphius, Grimmelshausen and other Baroque dramatists and poets. Prerequisite: G 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

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: G376 or G377 or G304, or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

498 Senior Seminar (3 credits). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. Prerequisite: Senior standing or permission of instructor. Offered in 1978-79.

R RUSSIAN

101-102 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. Offered in 1979-80.

S SPANISH

Lower Division

101-102 Elementary Spanish (4 credits). Designed to develop abilities in understanding, speaking, reading and writing Spanish. Offers a basic study of grammatical structure and vocabulary. Readings and audiolingual activities introduce the student to the Hispanic culture. Minimum of 1 hour lab work and 4 class contact 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 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: S102 or equivalent as determined by placement examination and consultation. Each semester.

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. Offers analysis of grammar and expansion of vocabulary through cultural and literary readings. Discussion of topics related to Hispanic contemporary trends, current events, everyday life, and other themes of immediate concern to the student. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1979-80.

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 1978-79.

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 explication, 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.

376 Cultura y Civilizaci'on Espânola (3 credits). Spanish civilization from earliest Iberian beginnings to the present. Special attention given to contributions of Spain to western world. Discussions conducted in Spanish; some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

377 Cultura y Civilizaci'on Hispanoamericana (3 credits). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the Hispanoamerican nations, and their contributions to the western world. Discussions in Spanish; some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years. Offered in 1978-79.

385 La Gente Mexicana-Americana en los Estados Unidos (3 credits). A bilingual/bicultural course dealing with the historical roots of Mexican-Americans, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years, including the "Chicano,', "La Raza," "La Causa," and other recent social and political movements. Readings and papers in Spanish and English required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Offered in alternate academic years.

410 Applied Linguistics for the Spanish Language Teacher (2 credits). Application of the main concepts, aspects and features of modern linguistics to specific problems entailed in 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 traditional, descriptive, and transformational models deal with the system of language in the areas of phonology, morphology, and syntax. Prerequisite: LI 305 and a minimum of 6 credits of upper-division Spanish and/or in-service teaching and/or equivalency as determined by placement test and interview. (Each semester). Alternate years.

425 Literatura Mexicana-Americana (3 credits). Representative writings by major Mexican-American authors, with emphasis on socio-cultural as well as literary values. Among them: Montoya, Alvarez, Ponce, Elizondo, Sanchez, Padilla, Rivera, Mandez, Maldonado, Muro, Navarro, Espinosa, Ortego, Vasques, Valdez, Barrio, Villarreal. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years.

435 Literatura Contemporanea Espanola (3 credits). Literature of ideas in contemporary Spain through major representative authors and works: Unamuno, Pio Baroja, Azor'in, Valle-Inclan, Benavente, Machado, Ramon Jimenez, Perez de Ayala, Ortega y Gasset, Garcia Lorca, Sender, Cela, Buero Vallejo, Blas de Otero. Genesis of modern thought and new prespectives in today's Spain. Prerequisite: S 331 or permission of the instructor. Offered in alternate academic years. Offered in 1979-80.

437 Literatura Contemporanea Hispanoamericana (3 credits). Literature of ideas in contemporary Spanish-America through major representative authors: Velarde, Mistral, Vallejo, Gallegos, Guiraldes, Roja, Reyes, Guillen, Neruda, Borges, Asturias, Paz, Arciniegas. Genesis of modern thought and new perspectives in today's Hispanoamerica. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

445 Literatura Española: Siglos 18 y 19 (3 credits). The main manifestations of thought and literature from 1700 to 1900, including the periods of Criticism, Realism, and Romanticism: Feijoo, Cadalso, Morat'in, Rivas, Vald'es, Espronceda, Larra, Zorilla, B'ecquer, Valera, P'erez Gald'os, Clarin. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

447 Literatura Hispanoamericana: Siglo 19 (3 credits). A detailed study of the representative movements, periods, works, and authors from 1800 to 1910: Lizardi, Bello, Sarmiento, Montalvo, Palma, Payro, Mart'I, N'ajera, Silva, Dari'o, Lugones, Nervo, Chocano, Quiroga, Rod'o, Vasconcelos. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

455 Edad de Oro de la Literatura Española (3 credits). The main genres of the Golden Age in Spain (16-17th Centuries), with emphasis on one representative author for each: Encina, Garcilaso, Luis de Leon, Cervantes, Lope de Vega, G'ongora, Quevedo, Calderon de la Barca. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1978-79.

457 Literatura Hispanoamericana: Colonia Y Siglo 18 (3 credits). An introduction to the major authors, works, movements, and periods of the Spanish-American literature, from the Colonial time to the end of the 18th Century: Col'on, de Las Casas, Cort'es, Castillo, Ercilla, In'es de la Cruz, Espejo, Balbuena, Aquirre, Mier. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

465 Literatura Espanola Medieval y Renacentista (3 credits). An introduction to the principal authors, works, movements, and periods of Spanish literature, from its beginnings to the end of the 15th Century: Poema del Cid, Berceo, Juan Manuel, Juan Ruiz, Santillana, Manrique, Rojas. Prerequisite: S 331 or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

475 Eventos Contemporaneos de Gentes y Paises Hispanohablantes (3 credits). A lecture and discussion course based on current social, economic, cultural and political events faced by Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the people, viewpoints, and institutions, as well as the problems, issues and trends facing this people in their respective countries today. Prerequisite: S 376, or S 377 or S 304, or permission of instructor. Offered in alternate academic years. Offered in 1979-80.

498 Senior Seminar (3 credits). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors. Liberal Arts Emphasis. Prerequisite: Senior standing or permission of instructor. Offered in 1978-79.

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Chairman and Associate Professor: Dr. James K. Applegate; *Professors:* Hollenbaugh, Spinosa, Warner, Wilson; *Assistant Professors:* Delisio, Donaldson, *Research Associate:* Guillemette; *Visiting Professor:* Hardyman.

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 students who would like 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 leaving 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.

GEOLOGY MAJOR

(Bachelor of Science Requirements)

I. Geology Major:

1. General University and Baccalaureate Degree Requirements. See pages 23-25 for Graduation Requirements.
2. Major Requirements

	CREDITS
A. Geology	45
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-112	10
E. Technical Drawing unless waiver is obtained from department chairman	2
F. Recommended electives	15
Life Science	
Technical Writing	
Mathematics	
Geography	
Surveying	
Economics	
Chemistry	
Physics	
Engineering	

GEOLOGY MAJOR

Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition	3	3
Physical Geology	4	—
Historical Geology	—	4
Mathematics	5	5
College Chemistry	4	5
	16	17
SOPHOMORE YEAR:		
Mineralogy	4	—
Petrology	—	4
General Physics	4	4
Degree Requirements	3	3
Electives	4	4
	15	15
JUNIOR YEAR:		
Sedimentology	4	—
Stratigraphy	—	3
Structural Geology	4	—
Paleontology	4	—
Degree Requirements	5	6
Electives	—	8
	17	17
SENIOR YEAR:		
Field Geology	—	4
Seminar	1	—
Degree Requirements	3	3
Upper Division Electives	6	3
Upper Division Electives in Geology	6	6
	16	16

EARTH SCIENCE EDUCATION MAJOR

(Bachelor of Science Requirements)

1. General College and Baccalaureate Degree Requirements. See pages 23-25 for Graduation Requirements
2. Major Requirements

	CREDITS
A. Geology	30
Physical Geology	4
Historical Geology	4
Introduction to Ocean Geology	3
Meterology	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 112	10
E. Astronomy	4
F. Recommended Electives	6-8
Geography	
Foreign Language	
Mathematics	
Communication	
Life Science	
3. Education Requirements	20
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)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition	3	3
Physical Geology	4	—
Historical Geology	—	4
Mathematics	5	5
College Chemistry	4	5
	16	17
SOPHOMORE YEAR:		
Foundations of Education	—	3
Geography	3	—
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
Student Teaching	—	6
Education Electives	3	—
Upper Division Electives	6	—
Audio Visual Aids	—	2
	16	14

GEOPHYSICS MAJOR

(Bachelor of Science Requirements)

1. General college and baccalaureate degree requirements
2. Major requirements:
   - A. Geophysics 16
     - Introduction to Geophysics 3
     - Physics of the Earth 3
     - Applied Geophysics I & II 10
   - B. Geology 27
     - Physical Geology 4
     - Historical Geology 4
     - Mineralogy 4
     - Petrology 4
     - Stratigraphy 3
     - Structural Geology 4
     - Field Geology 4
   - C. Chemistry 9
     - College Chemistry 9
   - D. Physics 14
     - Physics I, II, III and labs 11
     - Electricity and Magnetism (Ph-381) 3
   - E. Mathematics 19
     - M-112, 205, 206 13
     - Advanced Engineering Math (M-321) 4
     - M-124 or EN-104 2
   - F. Recommended electives 16
     - Physics PH-301, 382
     - Math M-340, 401, 421, 422
     - Engineering EN-221, 223
     - Geology GO-403, 412, 421, 431
     - Chemistry C-321, 322
     - Economics
     - Technical Writing

GEOPHYSICS MAJOR

(Suggested Program)

FRESHMAN:	**1ST SEM.**	**2ND SEM.**
Physics I	—	3
Physical Geology	4	—
Calculus & Anal. Geometry	5	4
College Chemistry	4	5
English Composition	3	—
Historical Geology	—	4
Digital Comp. Programming	—	2
	16	18

SOPHOMORE:	**1ST SEM.**	**2ND SEM.**
Calculus & Anal. Geometry	4	—
Advanced Eng. Math	—	4
Physics II & III	3	3
Physics Lab	1	1
Mineralogy	4	—
Petrology	—	4
Intro. to Geophysics	—	3
Area I & II requirements	6	3
	18	18

JUNIOR:	**1ST SEM.**	**2ND SEM.**
Structural Geology	4	—
Stratigraphy	—	3
Physics of the Earth	3	—
Area I & II requirements	6	6
Unrestricted electives	3	6
	16	15

SENIOR:	**1ST SEM.**	**2ND SEM.**
Applied Geophysics I & II	5	5
Field Geology	—	4
Electricity & Magnetism	3	—
Unrestricted electives	3	4
Area I & II requirements	3	—
	14	13

MASTER OF SCIENCE, SECONDARY EDUCATION, EARTH SCIENCE EMPHASIS

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 out-door 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-598 and a final thesis, project, or additional courses as determined by the committee. All other courses to be taken in the degree program are planned by the student and his graduate committee. A final comprehensive oral and/or written examination over course work and the thesis or project is required.

COURSES

GO GEOLOGY

Lower Division

100 Fundamentals of Geology (4 credits). An introduction to the principles of physical and historical geology. Topics include: weathering, erosion, glaciation, volcanism 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 geology, geology or earth science majors, and those nonscience majors who plan an 8-hour sequence in geology. Three lectures and 1 three-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 in the earth that produce continuous change. Topics include weathering, erosion, glaciation, volcanism,

metamorphism and igneous activity, mountain building, earthquakes, and the origin of continents, ocean basins, and landscapes. The laboratory provides instruction and practice in the identification of rocks and minerals, and the use of topographic and geologic maps. Three lectures and one three-hour laboratory per week. Field trips required. Each semester.

103 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 session 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). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas, and current problems in natural resource products. One three-hour lecture per week and two field trips. Prerequisite: Physical and Historical Geology or consent of instructor. Spring semester, alternate years. Offered 1974, not offered 1975.

201 Introduction to Ocean Geology (3 credits). A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Three one-hour lectures per week. Prerequisite: Historical 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 includes some crystallographic, optical, and chemical methods. Laboratory work consists of mineral analysis and observation by the use of microscopes, chemicals, and models. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Historical Geology and College Chemistry 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 lab per week as well as two all-day Saturday field trips. Prerequisite: Mineralogy. Spring semester.

250 Principles of Paleontology (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 important fossil groups will be stressed. Laboratory periods will be used to study small collections of the more important phyla and to introduce the student to simple 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. Prerequisites: 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 of a study of the methods and instruments used in statistical treatment of sediments for mapping and research purposes. 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 chronology as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the end result. Three one-hour lectures, field trip and special projects and a report required. Prerequisite: Sedimentology. Spring 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 one three-hour lab per week. Prerequisite: Historical Geology and College Algebra and Trig. Fall semester.

321 Optical Mineralogy (4 credits). The theory and application of the polarizing microscope to the examination of minerals. An introduction to the general theory of crystal optics and the application of the polarizing microscope to qualitative and quantitative mineral examination. Laboratory experience in the preparation of materials for optical study and diagnostic techniques form mineral identification. A systematic survey of the optical properties of minerals. Prerequisite: GO 222. Fall semester.

322 Petrography (4 credits). An introduction to the study of rocks in thin section by means of the polarizing microscope. The interpretation of the origin and history of igneous, metamorphic, and sedimentary rocks based primarily on features observed in this section. A systematic survey of the major rock types with emphasis on textures, mineralogy and classification. Prerequisite: GO-321. Spring semester.

351 Invertebrate Paleontology (4 credits). The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hard-part morphology, ontogeny, phylogeny and taxonomy of the geologically more important groups. Laboratory work based on standard collections made by the students during field trips. Three hours of lectures, four hours of labs. Prerequisite: Historical Geology or Advanced General Biology. Fall semester.

403 Engineering Geology (3 credits). Application of geology to engineering projects. Aspects of geology include selected principles from structural geology, petrology, geomorphology, photogeology, geohydrology and soil mechanics. These principles are applied to construction and maintenance of transportation routes, dams, canals, bridges, building foundations and tunnels. Case histories of major projects are studied. Two lectures and one three-hour laboratory per week. Field trip required. Prerequisite: Structural geology and stratigraphy or permission of instructor. Spring semester.

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 accumulation of water in subsurface materials. Emphasis is placed on structural, sedimentational, 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 classification of economic deposits of minerals. Discussion of modern theories of ore deposition, origin and migration of ore-bearing fluids, and the processes of alteration, secondary enrichment, paragenesis, and zoning. Consideration is given to the controls or ore occurrence and to the economics of exploration, development, and use of ores. Three lectures 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 geologic 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. Three field trips. Prerequisite: Structural Geology and Sedimentology. Alternate years. Spring semester. Offered 1979.

471 Regional Field Study and Report Writing (1 credit). This course constitutes library research and preparation of reports, geologic 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, minerals, and fossils collected during the trip and photographs of specific merit are keyed to the guidebook, which is then compiled into final report form. One lecture per week; field trip required. Prerequisite: upper division standing or consent of the instructor. Spring semester.

480 Field Geology (4 credits). Application of geologic principles and currently used field techniques to the solution of field problems. Work includes measurement and correlation of stratigraphic sections, plane table mapping, geologic mapping on aerial photographs and on topographic maps, and special field techniques for igneous, sedimentary and metamorphic terrains. Instruction will be by appropriate specialized geologists. A formal report of professional quality is required. One lecture and three, three-hour labs. Field work on most weekends is required. Prerequisites: Senior standing and permission of Geology Department Chairman. Spring semester.

498, 499 Geology Seminar (1 credit). Research project based on field and-or literature studies. Fundamentals of geologic report preparation and oral presentations. Prerequisite: Geology major or Earth Science Education major. Each semester.

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, earthquakes, volcanism, mass-wasting and other geologic hazards. The resource needs of our expanding population are contrasted with the growing requirement for the protection of our frail environment. Prerequisite: Graduate status, or consent of the instructor. Fall semester.

521 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 background knowledge, skills, and material resources that can be directly applied to increase the students capability to teach earth science in the elementary and secondary school. Prerequisite: Graduate status or consent of instructor. Summer School.

531 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, structural and stratigraphic entities; to analyze and classify statistically sedimentational, 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.

551 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.

571 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 by 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 a debate. Preparation of visual aids and geologic illustrations will be emphasized. Prerequisite: Admission to candidacy or consent of the instructor.

GG GEOGRAPHY

Lower Division

101 Introduction to Geography (3 credits). A comprehensive survey of various environments 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 viewed in two respects: 1. How culture affects the physical world; 2. How the physical world affects culture. Lectures, slides, motion pictures and guest speakers, along with appropriate readings, will comprise the course. Prerequisite: Intro to Geography or consent of instructor.

201 The Use and Interpretation of Maps and Globes (3 credits). The course consists in the intensive use and interpretation of maps and globes. The intent is to familiarize students in the great variety 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 as teachers and history, geology and archaeology majors. The course is non-technical, in that little math is required. Course materials consist of texts, slides, motion pictures, as well as maps and globes. Prerequisite: consent of the instructor.

221 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 Northwest in relation to the rest of the United States is studied. Sources of information available to the student include: the textbook, 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 and contrasts will be made between the resources, environments, peoples and potential of each region. Their relationships with the United States and the other countries of the world will also be explored. Films, slides, and guest speakers—along with appropriate texts will be used. Prerequisite: Intro to Geography or consent of instructor.

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 relationships and changes within the regions. Lecture topics include the various landscapes, flora and fauna, peoples and geographic 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 instructor.

Upper Division

301 Historical Geography of the United States (3 credits). Historical Geography is the study of the past geography of various places or regions. The course graphically reveals the constant theme of change inherent in both history and geography. Students will explore 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: GG-102 or consent of instructor.

311 World Economic Geography (3 credits). Economic Geography is the study of the areal distribution and variation of resources and man's activity related to producing, exchanging and consuming commodities and products. Economic activities and materials are studied in the context of where they are located, what their characteristics are, and to what national and international phenomena they are related. Prerequisite: GG-101 or consent of instructor.

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.

GP GEOPHYSICS

Upper Division

301 Introduction to Geophysics (3 credits). The course is a survey of surface and borehole-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 techniques. The applicability of the various techniques to the solution of geologic probles 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 significance of these properties in understanding the complexities of the earth. Fall semester. Prerequisite: Physics 220 or consent of instructor.

451 Applied Geophysics I (5 credits). A detailed treatment of the application of geophysical methods used in petroleum and mineral exploration and geotechnical investigations. Practical laboratory and field studies will be conducted using geophysical instrumentation. Theory, data acquisition, data reduction and data interpretation will be emphasized. Four one-hour lectures and one three-hour lab. Fall semester. Prerequisites: GO-314, GP-301, PH-221 and 222, M-321.

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 lectures, one three-hour lab and numerous field problems. Spring semester. Prerequisite: GP-451.

GS GENERAL SCIENCE

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 related 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.

501 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.

DEPARTMENT OF HISTORY

Chairman and Professor: Dr. Warren L. Vinz; *Professors:* Barrett, Caylor, Lovin, Qurada; *Associate Professors:* Bonachea, Fletcher, Sylvester, Terry, Tozer; *Assistant Professors:* Odahl, Zirinsky; *Visiting Professor:* Buhler.

REQUIREMENTS FOR HISTORY MAJOR
Bachelor of Arts Program

I. Liberal Arts Option

	CREDITS
A. General university requirements to include:	
1. A foreign language or equivalent* (a minimum of)	8
2. American National Government	3
B. History Requirements:	
Lower Division Courses	18
History of Western Civilization (HY 101, 102, 103 or 201, 202, 203)	9
U.S. History (HY 151, 152 or 251, 252)	6
Intro. to the Study of History, HY 210	3
2. Other History Courses**	24
History Seminars	6
Upper Division History (minimum of)	12
Additional history upper or non-required lower division	6
C. Electives	28-36

II. Secondary Education Option

A. General university requirements to include:	
American National Government	3
B. History requirements:	
1. Lower Division Courses	18
History of Western Civilization (HY 101, 102, 103 or 201, 202, 203)	9
U.S. History (HY 151, 152 or 251, 252)	6
Study & Methods of Teaching History	3
2. Other History Courses**	24
Upper Division American History Elective	3
Seminar	3
Upper Division History (minimum of)	12
Additional history electives upper or non-required lower division	6
C. Educational requirements for State Certification for Secondary Education	20
D. Electives	20

III. History—Social Science Secondary Education Option

Each academic department in the social sciences (History, Political Science, Societal and Urban Studies, and Economics) provides a major emphasis with the Social Science Secondary Education op-

tion. Students must have a minimum of 30 credits in the department's subject matter plus two additional fields of study and teaching minors of 15 credits each chosen from other social science fields.

A. Lower Division courses:
1. U.S. History (HY 151, 152, or 251, 252) 6
2. Western Civilization (HY 101, 102, 103 or 201, 202, 203) Any 6 credits 6
3. Study & Methods of Teaching History 3

B. Other History Courses (minimum of 15 U.D.—3 U.D. American History) 18
To be chosen by student in consultation with advisor from two out of three of the department's offerings (U.S., European, Third World).

C. Other Courses
At least 15 hours, of which 9 must be upper division, must be taken in each of two allied disciplines: Economics, Political Science, Anthropology, Sociology, Geography. These courses should be chosen by students in consultation with their advisor.

15 Hour History Option

Similar 30-15-15 academic majors are available in the various social science disciplines in which their courses would constitute the 30-credit core of the major and history would serve as one of the associated 15-credit blocks. For such a major the Department of History requires that at least 9 of the 15 history credits be upper division, and that courses be selected to complement their major.

IV. History Minor Option
1. Lower Division Courses 12
U.S. History, (HY 151, 152, or 251, 252)
Western Civilization (HY 101, 102, 103, or 201, 202, 203)
2. Upper Division Courses 12
To be chosen from two of the three major areas (U.S., Europe, Third World) offered by the department.

In addition to the above the State Department of Education may require additional courses for certification in the minor field.

*Language equivalency required by the History Department will be determined by the Department of Foreign Languages.

**Majors must have course work distributed between U.S., European and Third World history with at least 12 hours in one area and at least 6 hours in each of the other two.

MASTER OF ARTS, SECONDARY EDUCATION, HISTORY EMPHASIS

I. Admissions
See Part VIII Graduate School Information, page 138 in catalogue.

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 hour with thesis
1. Secondary Education Core .....6 hours
2. History Emphasis .....12 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. 33 hour 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	Historians and Historical Interpretation	3 hours
2. HY 502	Teaching History in the Secondary Schools	3 hours
3. HY 510-11 HY 520	History of Western Thought 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.

COURSES

HY HISTORY

Lower Division

101, 102, 103 History of Western Civilization (3 credits). First semester: The development of European civilization from classical antecedents to the twelfth century, A.D.; Second semester: The development of the early modern European works from the twelfth century to 1815; Third 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 1877 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power. 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 influence of Hebrew monotheism, Athenian democracy, the Roman constitution, and Medieval society and Western thought. Not 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 High 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, 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.

205 Lewis and Clark (2 credits). A survey of the "Corps of Discovery" from Wood River, Illinois, to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years, 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 applications of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses. Either semester.

211 The Study and Methods of Teaching History (3 credits). An introduction to the study of history for those who plan to teach. The course explores the nature of the discipline, includes practical work in historical methods, and deals with particular problems of uniting teaching methodology with substantive historical knowledge. Required of all history majors-secondary education options, prior to taking upper division history courses. Either semester.

251 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 151. Prerequisite: Course in U.S. History 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 the instructor. Spring semester.

261 History of Minorities in the United States (3 credits). This course focuses on 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 also will be studied. Either semester.

298 American Heritage (2 credits). An introductory course to an Eastern seaboard trip; provides 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 participating 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

303 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 *philosophes*, and the crisis of the old regime leading to revolution. Prerequisite: HY 102. Suggested additional preparation, HY 101. Either semester, alternate years.

307 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.

308 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 fifth Republic by Charles deGaulle. HY 103 recommended. Either semester, alternate years.

309 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. Spring semester, alternate years.

310 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 philosophies of reformers from Wycliffe to the Council of Trent. Consideration will be given to the world wide impact of Protestantism, the Catholic Reformation, and dissident minority sects. Prerequisite: HY-102 or consent of instructor. Spring 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 1688. 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 by the state from 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 and cultural transformation of East Asia 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 Ninoan thalassocracy of the second millenium to the empire of Alexander the Great in the late fourth century B.C. Political, economic, and cultural history are emphasized with special attention given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing and visual arts. Prerequisite: HY-101, or instructor's consent. Fall semester, alternate years.

320 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, outstanding personalities, and literary and artistic achievements. Prerequisite: HY 101. Spring semester, alternate years.

321 Medieval Europe (3 credits). A study of the political, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special attention given to the Constantinian revolution, 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. Fall semester, alternate years.

322 The Medieval Church (3 credits). A survey of the Christian Church from its apostolic foundations in the 1st century to the fully developed papal monarchy of the late 13th century. Special subjects for close examination; the internal organizational development and external expansion of the Church; the establishment of theological dogma and ethical norms; the relations of individual Christians to the world, and the organizational Church to the secular state; and the effective establishment of papal primacy over Western Christendom. Prerequisite: HY-101 or consent of instructor; Recommended: HY-321. 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 Muhammed to the decline of the Ottoman and Safavid empires in the eighteenth century. Prerequisite: Upper Division standing. Fall semester, alternate years.

332 The Modern Middle East: Cultures in Conflict (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, Iranian, 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 historic 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 pasttimes. The area of sport is placed within the context of American thought and the social milieu of the nation. Either semester.

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.

335 Diplomatic History of the United States (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 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 Constitutional Convention, John Marshall, Civil War, Age of Industrial Development, Progressivism, 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 instructor. 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 alternate years.

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 beginnings of sectional rivalry; and the Mexican War. 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 America's development 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. The reservation system, land policy, termination, and the current Indian dilemma are studied. Opportunity is provided for the pursuit of in-depth individual study. Prerequisite: Upper Division standing or completion of HY-151-52. 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; reappearance on the world scene; 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 and African cultures in South and Middle America, all within the framework of European political rivalries. The course concludes with the independence wars of the early nineteenth century. Prerequisite HY-102. 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 relations 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 selections offered each term. Colloquium may be repeated. Prerequisite: Upper division standing.

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 selections offered each term. Colloquium may be repeated. Prerequisite: Upper division standing.

382 Colloquium in Third World History (3 credits). Intensive studies of a particular period, topic, or problem in Third World history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper division standing.

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. Particular emphasis is given to the interaction of economic factors and other aspects of American society. Prerequisite: Principles of 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 revolutionary ideas 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 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.

432 Tudor-Stuart England (3 credits). A consideration of 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 and the beginnings of the British Empire; religious changes and social conflicts in England; cultural developments in England. Spring semester, alternate years.

468 History of Mexico (3 credits). This course examines 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 precolonial period to the Wars of Independence; (b) From nationhood to the Mexican Revolution of 1910. The contributions and shortcomings of the Mexican Revolution of 1910 in the development of indigenous institutions will be the focus of this section; (c) From the Mexican Revolution to the present; and will also analyze the contributions of Mexican Revolutionary Movements in the 19th and 20th centuries. Spring semester, alternate years.

480 Seminar in U. S. History (3 credits). Critical analyses of source materials and historical literature on a topic of restricted scope in U. S. history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. Prerequisite: Upper division standing.

481 Seminar in European History (3 credits). Critical analyses of source materials and historical literature on a topic of restricted scope in European history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. Prerequisite: Upper division standing.

482 Seminar in Third World History (3 credits). Critical analyses of source materials and historical literature on a topic of restricted scope in Third World history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. Prerequisite: Upper division standing.

498 History Seminar (3 credits).

Graduate

501 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.

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 1500 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.

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. Laissez-faire capitalism and the reaction to industrialism follow. Students then examine the evolutionary (or revolutionary) nature of a twentieth century topic of their choice; that is, the source of a contemporary political, economic, or social attitude or position. Prerequisite: Admission to the graduate program or consent of the department chairman.

580 Graduate Seminar in U. S. History (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of U. S. history. 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.

581 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. 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.

582 Graduate Seminar in Third World History (3 credits). A study of the principal themes or problems within well-defined periods or particular fields of Third World 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.

591 Project (3 credits).

593 Research and Thesis (6 credits).

598 History Seminar (3 credits).

DEPARTMENT OF HOME ECONOMICS

Chairman and Associate Professor: Dr. Leda S. Scrimsher; *Associate Professor:* Swain; *Assistant Professor:* Long; *Instructor:* Johnson; *Special Lecturers:* Centanni, Eyre, Nichols.

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 waiting 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 preparation 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:	**1ST SEM.**	**2ND SEM.**
Laboratory Science	4	4
English Composition	3	3
Introduction to Home Economics	1	—
Clothing	—	3
Art	2	2
Textiles	—	3
Physical Education Activities	1	1
Clothing & the Individual	2	—
*Electives	2	1
	15	17

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
House Planning	—	3
Food & the Individual	4	—
Home Furnishings	3	—
Nutrition	—	3
Social Science (History, Political Science)	3	3
Microbiology	—	3
Human Physiology and Anatomy	4	—
Psychology	3	—
Introduction to Sociology	—	3
**Electives	—	1
	17	16

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 its effect on today's fashions, a comprehensive study of design and its functional role; analysis 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 beauty. Evaluation of plan 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 to retain nutrients and enhance aesthetic qualities. Sanitary standards and procedures for handling food products will be stressed. Effective 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.

Upper Division

303 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. Common fitting problems are studied and solutions derived. A personal master pattern is developed to fit student's personal need. Current tailoring techniques are stressed. Prerequisite: HE 103, HE 107, HE 109. Two 3-hour laboratory periods each week. Spring semester.

305 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.

DEPARTMENT OF MATHEMATICS

Chairman and Associate Professor: Dr. William P. Mech; *Associate Chairman and Associate Professor:* Dr. Daniel G. Lamet; *Professors:* Hughes, Juola, Maloof, Takeda; *Associate Professors:* Anderson, Ball, Ferguson, Furuyama, Kerr, Sulanke, Ward, Winans, Young; *Assistant Professors:* Eastman, Hausrath, Kenny, Smartt, J. Smith, Sugiyama.

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 Programs

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)
M406 Complex Variables (3)
One or more of:
M361 Fundamentals of Statistics (4)
M362 Probability Theory (4)
M431-432 Probability and Statistics (6)
Three or more semester courses, including a sequence, at the 400 level (9-12)
M406 or M431-432 which may be used in specific area requirements are also allowed in satisfying the overall requirement of 27 upper division hours in mathematics.

The particular mathematics courses used to satisfy the degree requirement 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 M124, M226 and M451.

The equivalent of a Bachelor's degree in statistics can be obtained by the student who is interested in statistics or in mathematical applications to business, biology, or physical science. This can be done through the proper selection of electives including M431 and M432.

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. College requirements for B.A. or B.S. degree, including electives.
2. Mathematics requirements
Calculus through M206 or M212
M124 (Digital Computer Programming)
Upper division mathematics
M301 Linear Algebra (4)
M302 Intro. to Abstract Algebra (3)
M311 Foundations of Geometry (3)
M314 Foundations of Analysis (3) or M406
Complex Variables (3)
M361 Fundamentals of Statistics (4) or M362
Probability Theory (4) or M431-432
Probability and Statistics (6)
M490 Mathematics in Secondary Schools (3)
3. Electives (Recommended: M225, M226, M306, M312)
4. Education Requirements (See Part V) 20 credits
(M490 counts as an education elective)
5. A 45 semester hour major or a 30 semester hour major with a 20 semester hour minor.

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:	1ST SEM.	2ND SEM.
English Composition	3	3
Calculus M 204, 205 or M 211, 212	5	4-5
Degree Electives	8	9-8
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Calculus M 206	0-4	—
Programming M 124	—	2
General Psychology	3	—
Foundations of Education	—	3
Linear Algebra M-301	—	4
Elective	9-13	7
	16	16

JUNIOR YEAR:	SEM.	SEM.
Foundations of Analysis M 314	3	—
Intro. to Abstract Algebra M 302	—	3
Fundamentals of Statistics M 361 or Probability Theory M 362	—	4
Educational or Adolescent Psychology	3	—
Elective	12	9
	18	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Secondary School Methods	3	—
Foundations of Geometry M 311	3	—
Mathematics in Secondary Schools M 490	3	—
Secondary Student Teaching	6	—
Education Elective	—	2
Electives	—	13
	15	15

Teaching Minor in Mathematics

(Suggested Program)

20 credits to include:

M 124 ..... 2 credits
M 204 or 211 ..... 5 credits
M 205 or 212 ..... 4-5 credits

One of M 302 ..... 3 credits
M 306 ..... 3 credits
M 311 ..... 3 credits 3 or 4 credits
M 361 ..... 4 credits
M 362 ..... 4 credits

Students who plan to teach in high school are recommended to take M 206 and a second of the 300 level courses listed above. All students are advised to contact a member of the mathematics faculty for assistance in planning a program.

MASTER'S IN SECONDARY EDUCATION WITH 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 math seminar ..... 9 credits
   c) Mathematics electives ..... 9 credits
   d) Free electives ..... 6 credits
   e) A written examination over mathematics course work.
   f) An oral examination over all mathematics course work included in the Master's program.
2. The 33-hour "project option"
   a) Secondary Education Core ..... 6 credits
   b) Mathematics sequence, math seminar and M591 ..... 12 credits
   c) Mathematics electives ..... 6 credits
   d) Free electives ..... 9 credits
   e) A written examination over mathematics course work.
3. The 33-hour "thesis option" is the same as the "project option" except that M591 is replaced with M593.

B. Mathematics Requirements

1. Required Courses
   M 501, 502 Real Analysis I, II or M 541
   542 Modern Algebra ..... 6 credits
   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 Workshop (594 or 599) is limited to a total of 3 credits to be applied to partial fulfillment of the requirements for the emphasis in Mathematics.
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.

COURSES

M MATHEMATICS

Lower Division

012 Arithmetic Review (0 credits). Fundamental operations with real numbers, linear equations and stated problems. Review of elementary geometry and weights and measures including the metric system. For students with little or no algebra or geometry who want to review school mathematics. Each semester.

020 Algebra Review (0 credits). A refresher course for students in education engineering, science, or business. Algebra is covered from first fundamental operations through the level required for M-103, 105, 111 or 115. Each semester.

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 relations to other aspects of our culture. The humanistic aspect of mathematics is emphasized to help cultivate creativity and abstract thought processes that are rigorous but not rigid. Prerequisite: A year of high school mathematics or consent of instructor. Each semester.

103-104 Mathematics for Elementary Teachers (3 credits) Fundamental concepts of mathematics including the study of place value and bases arithmetic operations, the postulates for the set of real numbers, and fundamental algebraic and geometric principles. Designed for elementary teachers. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor. Placement will also be determined by A.C.T. score or a grade of "satisfactory" in M-012 or M-020. Each semester.

105-106 Mathematics for Business Decisions (4 credits each). Matrices, systems of linear equations, graphing, linear programming, finite probability, discrete random variables, limits, derivatives, curve sketching, partial derivatives, optimization problems, and integrals. Prerequisite: Placement will be determined by A.C.T. score or a grade of "satisfactory" in M-020. Each semester.

109 Introduction to Computers (4 credits) (Crosslist — PH 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.

111 Algebra 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.

115-116 Mathematics for the Life Sciences (5 credits each). Designed primarily for students in the life sciences. Review of equations, functions, and their graphs, logarithmic and exponential functions, trigonometry, discrete probability theory, differential and integral calculus of one variable, continuous probability theory and statistics. Prerequisite: Placement will be determined by A.C.T. score or a grade of "satisfactory" in M-020. Each semester.

124 (EN-104) Digital Computer Programming (2 credits). Course for engineering, science or mathematics majors to introduce programming principles and logic. Consideration given to input-output, flow charting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-111 or M-106 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 and translation of axes. Prerequisite: Skill in algebra and knowledge of trigonometry. Each semester.

205 Calculus and Analytic Geometry (4 credits). Calculus of exponential, logarithmic and trigonometric functions. Techniques of integration. Indeterminate forms, Taylor's Formula, and infinite series. Prerequisite: M 204. Each semester.

206 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 integration. Prerequisite: M 205. 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 integration, series introduction to differential equations. This course is essentially an accelerated version of the three semester sequence M-204, M-205, M-206. Prerequisite: Any of M-106, M-111, M-116 with grade of A, or strong high school background. Yr course M-211 Fall M-212 Spring.

225 (EN-225) Applied Fortran Programming (2 credits). A general course to illustrate advanced techniques in Fortran programming with applications drawn from engineering, physics, chemistry, geology and mathematics. Prerequisite: M-124 (EN-104) and M-205. Credit cannot be obtained for both M-225 and EN-225. Fall semester.

226 Assembler Language I (4 credits). Assembler language programming for the IBM 370. Data representation, the machine instruction, looping, address modification, handsome output, program sectioning and linking, macros. Prerequisite: M124 (EN104) or consent of instructor. Spring semester.

301 Linear Algebra (4 credits). Matrix algebra, determinants, vector spaces and linear transformations. Prerequisite: M 206 or 212. Each semester.

302 Introduction to Abstract Algebra (3 credits). Sets, groups, integral domains, rings, fields. Prerequisite: M 205 or 212. Spring semester.

306 Number Theory (3 credits). Primes, congruences, Diophantine equations, residues, quadratic forms, continued fractions. Prerequisite: M-205 or 212. Spring semester.

311 Foundations of Geometry (3 credits). Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. Prerequisite: M-205 or 212. Fall semester.

312 Combinatorial Geometry (3 credits). Study of geometry of curves and surfaces in Euclidean spaces, maps, networks, topological equivalence of figures, topological spaces, and metric spaces. Prerequisite: M 205 or 212. Spring semester odd-numbered years.

314 Foundations of Analysis (3 credits). Logic, Axiomatics, Sequences, Foundations of Calculus, Structure of the Real Numbers. Prerequisite: M-206 or 212. Each semester.

321 Advanced Engineering Mathematics (4 credits). Ordinary differential equations with emphasis on applications. LaPlace transform methods and electrical and mechanical circuit differential equations. Brief introduction to Fourier Series. Vector calculus with line and surface integrals. Prerequisite: M-206 or 212. Spring semester.

331 Differential Equations (4 credits). Theory of ordinary differential equations with applications to physical sciences and engineering. Prerequisite: M-206 or 212. Fall semester.

340 Numerical Analysis (4 credits). The application of numerical methods to interpretation and analysis of data; general iterative methods; approximation of functions, error analysis; solution of equations with the implementation of computer programming. Fortran programming will be utilized. Prerequisite: M-124 (EN-104), M-206 or 212. Spring semester.

361 Fundamentals of Statistics (4 credits). Probability and random variable on finite sets. Distributions. Central limit theorem. Descriptive Statistics. Regression and Correlation. Tests of hypotheses. Design of experiments and sampling surveys. Prerequisite: One of M106, M116, M205 or M212. Spring semester.

362 Probability Theory (4 credits). The algebra of sets, set functions, probability functions, random variables, distributions, densities, generating functions, conditional probability. Markov's inequality, central limit theorem, strong and weak laws of large numbers. Prerequisite: One of M106, M205 or M212. Fall semester.

401-402 Advanced Calculus (3 credits). The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, transformations, infinite series. Prerequisite: M-314. Sequence beginning each Fall.

406 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.

411 Introduction to Topology (3 credits). Sets, metric spaces, topological spaces, continuous mappings, connectedness, compactness. Prerequisite: M-314. Spring semester, even numbered years.

421-422 Applied Mathematics (4 credits each). Partial differential equations of mathematical physics, Fourier series and orthogonal functions, boundary value problems, transform methods, integral equations. Prerequisite: M-321 or M-331. Sequence beginning fall of odd numbered years.

431-432 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.

441-442 Abstract Algebra (3 credits each). Set theory, group theory, homomorphism theorems, Sylow theorems, ring theory, ideal theory, field theory, field extensions, Galois groups. Prerequisites: M-301, M-302. Sequence starts fall of even numbered years.

451 Systems Programming (4 credits). Introduction to machine language programming, compiled languages, program optimization, computer logic and design. Prerequisite: M 226 and M 206 or M 212. Fall semester.

456 Linear Programming (4 credits). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M-301. Spring semester, odd-numbered years.

490 Mathematics in Secondary Schools (3 credits). Objectives, content, and methods of secondary school mathematics programs. Prerequisite: Six hours of Mathematics completed at, or above, the three hundred level. Fall semester.

Graduate

501-502 Real Analysis I, II (3 credits each). The real number system. Set theory and metric spaces. Sequences and series. Continuity of real functions. Differentiation. The Riemann-Stieltjes integral. Sequences and series of functions. Prerequisite: M-314 or consent of the instructor.

503 Algebraic Systems (3 credits). Number systems and other algebraic systems from a modern point of view. The emphasis will be on the concept of algebraic structures. Prerequisite: M-104.

504 Geometric Concepts (3 credits). Informal geometry and topology. The emphasis will be on problem solving techniques and pattern recognition. Prerequisite: M-104.

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 instructor.

511 General Topology (3 credits). Sets, separation axioms, topologies, connectedness, compactness, generalized covergence, continuity, product spaces. Prerequisite: M-401 or M-501 or consent of instructor.

541-542 Abstract Algebra I, II (3 credits each). Mappings, the integers, groups, subgroups, morphisms, rings, integral domains, polynomial rings, fields, field extensions. Prerequisite: M301 and M302 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.

564 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, special problems, and trends in mathematics programs; organization of the curriculum; study of reports and recommendations; curriculum development projects. Prerequisite: one year's experience in teaching 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 interpretation or novel exposition of extant 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.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

Chairman, Maj. Walther
Instructor: Sgt. 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 waivered 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 com-

plete the course and graduate before reaching age 27; (3) complete successfully such 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 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 which he may thereafter be enrolled where such a course is given; (6) devote a minimum of five hours a week to the military training prescribed by the Secretary of the Army; (7) attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year; (8) enlist in a reserve component (this enlistment does not involve additional training or 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, $.08 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 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 ROTC Advanced Camp. Additionally, this 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:* Best, Meyer, Taylor; *Associate Professors:* Baldwin, Cleveland, Hsu, Shelton; *Assistant Professors:* J. W. Bratt, Hopper, Samball, Thomason; *Instructors:* Baldassarre, Blood; *Special Lecturer:* Stern (Conductor-in-Residence).

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. Velma Morrison, the Grand Symphony Carillon system chimes the hours and half-hours and twice daily plays a short program of carillon music. A familiar but unusual gift, seen in area parades and at home football games, is the BSU calliope, given by Mr. Michael A. Compton.

Other gifts to the Music Department include several grand pianos, electronic equipment, instruments, record collections and music. The Music Department is grateful to these donors who have given so generously:

Dr. and Mrs. Robert deNeufville
Alice Gould
Dr. and Mrs. Arthur C. Jones
Senator Len Jordan
Bryant S. Martineau
Marjorie Palmquist
Mr. and Mrs. Edward Utley
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 on page 23 of this catalog.

B. Minimum Music Requirements:

Performance Studies	8
Materials of Music I, II, III, IV	12
Ear Training I, II, III, IV	4
Music History/Literature Courses	6
Ensemble	4
Concert Class (each semester)	0
Performance, Theory, Music Education, or General Music Electives	10
Senior Recital* or Senior Project**	1
Total	45

*Senior Recital option requires approval of the student's private instructor. Senior Recital (MA-444) requires a minimum of 3 years of study or equivalent in the area prior to enrolling.

**An independent Study terminal project under faculty supervision and with the approval

of the Department Chairman in the areas Theory, Music History/Literature, or Music Educaton.

MUSIC MINOR

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

MUSIC MAJOR IN PERFORMANCE THEORY-COMPOSITION, AND MUSIC EDUCATION
BACHELOR OF MUSIC PROGRAM

1. Bachelor of Music Degree (Performance and Theory-Composition Emphasis) is designed to train performers and composers and performing artist teachers. It is the basic degree for preparing students for graduate work in the performing and creative fields as well as teaching at the college and university level. It is essentially a preprofessional degree.
2. The Bachelor of Music Degree (Music Education Major) is designed to prepare students for teaching careers in the secondary and elementary educational systems. It also prepare the students for graduate work in Music Education.
3. All full-time students will be required to attend Concert Class during each semester of residency at Boise State University. (See course description for MA 010 for complete details). All students will perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA-444, 445, or 446 recitals **are exempt from faculty jury during the semester in which the recital is given.**
4. All Bachelor of Music non-keyboard majors, no later than the end of the Junior year, are required to pass one of the levels in the Piano Proficiency examination before a faculty committee. The particular level is determined by the student's major. A grade of C or better in MU213 will meet levels I and II requirements for Music Education Majors. A grade of C or better in MU 314 will meet level III requirements for Performance and Theory-Comp majors. Details are available from the Music Department
5. All Bachelor of Music Majors are required to register for one of the three major ensembles (band, choir, or orchestra) each semester, totalling 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.
6. The following Core of Music Courses will be included in all Bachelor of Music curricula:

Concert Class (Attendance required each semester of residency—see MA 010 course description for details)	0
Materials of Music I, II, III, IV and Ear Training I, II, III, IV	16
Basic Conducting (L.D.)	1
Ensemble	6-8[1]
Elements of Form (Upper Division)	3
Music History Courses (Upper Division—3 credits will count toward Area I Requirements; see page 17	12
a. History and Lit. of 20th Century (MU 306)	3
b. Other Music History selected from MU 305, 307, 309, 310	9
	40

I. Performance Emphasis Requirements

	CREDITS
1. General University and Basic Core Requirements (including 3 credits of Music History in Area I)	29-32
2. Music Requirements:	
A. Music Core	38-40
B. Lower Division Performance Studies	14
a. All Performance Majors will take 2 credits of Performance Studies the first semester Freshman Year and perform a 4-credit jury prior to enrolling in 4-credit performance studies second semester.	
C. Upper Division Courses	29-34
Performance Studies	16
Keyboard Harmony and Basic Improvisation	4
Counterpoint	4
Choral or Instrumental Conducting	1[2]
Major Instrument Literature	2[3]
Major Instrument Pedagogy I & II	4[3]
Advanced Form and Analysis	2
Senior Recital	2
3. Electives	13-16
Voice Majors must include 1 semester of MU 147, 1 credit	
Total:	128

II Theory-Composition Emphasis 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	40
B. Lower Division Courses	16
Performance Major Studies	8
Performance Minor Studies (To be piano, unless major is a keyboard instrument)	8
C. Upper Division Courses	24
Performance Major Studies	4
Advanced Form and Analysis	2
Band Arranging	2
Choral and Instrumental Conducting	2
Counterpoint	4
Keyboard Harmony and Basic Improv.	4
Music Composition	4
Senior Composition Recital or Music Seminar	2
3. Electives (Any Area)	19-22
Total:	128

III. Music Education Emphasis Requirements
(Fulfillment of the requirements below will qualify the student for Idaho State Certification in Secondary Schools and as an Elementary School Music Specialist.)

1. General University and Basic Core Requiements (including 3 credits of Music History in Area I)	29-32
2. Music Requirements:	
A. Music Core	40
B. Lower Division Courses	15
Performance Major Studies	8
Functional Piano	2
Instrumental Techniques & Methods	4
Orientation to Music Ed	1
C. Upper Division Courses	23
Performance Major Studies	8
Band & Orchestra Methods & Materials	2
Band Arranging	2
Choral and Instrumental Conducting	2
Choral Methods and Materials	2
Instrumental Techniques and Methods	4
Teaching Music in the Elementary Classroom	2
One-half Senior Recital	1
D. Education School Requirements	12
(General Psych—Area II)	(3)
(Educational Psych—Area II)	(3)
Foundations of Education	3
Secondary School Methods	3
Practice Teaching	6
3. Electives (Any Area)	9-12

Total: 128

[1]Performance Emphasis Majors in Piano, Voice or Guitar will take 6 credits. Piano Majors will include 2 credits of accompanying
[2]Not required of Piano, Voice or Guitar Performance Emphasis Majors.
[3]Required of Piano, Voice or Guitar Performance Emphasis Majors.

MASTER'S DEGREE IN 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 any other State). Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university, and who give promise of meeting the standards set by the Music Department.

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 in the areas of music education, music theory, music history, and performance. The results of these examinations will be interpreted by the Music Department Faculty. The student's Advisor will consult with the student about action towards remedying any deficiencies. Any undergraduate course used to make up the deficiencies will not count toward the Master's Degree. A student who has any deficiencies will be granted Provisional Status only, in the graduate program; when all deficiencies are removed, he may then seek Regular Status. A description of the material covered on these examinations is available from the Music Department.

Course Offerings*

A. Required Courses
   a. 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-560 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.

COURSES

MA MUSIC APPLIED—PERFORMANCE STUDIES

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

Minor Area Practice requirements:

For 2 hrs. credit—6 hrs. practice per week

010 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 this requirement. Each semester.
Prerequisite to **all private lesson** courses: Consent of Instructor.

Students planning to enroll in upper division performances studies (MA-300 levels) must have completed two years or equivalent of the lower division level and must have passed the Junior Standing Proficiency Exams for those studies. All MA courses may be repeated for credit. Students transferring into the Music Department as music majors from some other college, university or conservatory, or from another department within BSU and requesting advanced standing in performance must successfully complete a performance examination before a faculty jury prior to the possible granting of such advanced standing. Details may be obtained from the music office.

Strings

171, 371 Violin (2 credits). Each semester
172, 372 Violin (4 credits). Each semester
161, 361 Viola (2 credits). Each semester
162, 362 Viola (4 credits). Each semester
121, 321 Cello (2 credits). Each semester
122, 322 Cello (4 credits). Each semester
123, 323 String Bass (2 credits). Each semester
124, 324 String Bass (4 credits). Each semester

Guitar

125, 325 Guitar (2 credits). Each semester
126, 326 Guitar (4 credits). Each semester
127 Beginning Guitar Class (1 credit). This is a course in the technical fundamentals involved in playing the acoustical 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.
327 Advanced Guitar Class (2 credits). A study of musical and technical problems inherent in solo guitar playing. Chord construction and progression are studied in depth through intervalic analysis and functional harmonic relationships. Theoretical principals 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 128 or permission of instructor. Either 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.

Brass

109, 309 Applied Brass (2 credits). Each semester
110, 310 Applied Brass (4 credits). Each semester
111, 311 Horn (2 credits). Each semester
112, 312 Horn (4 credits). Each semester
113, 313 Trombone (2 credits). Each semester
114, 314 Trombone (4 credits). Each semester
115, 315 Trumpet (or Baritone) (2 credits). Each semester
116, 316 Trumpet (or Baritone) (4 credits). Each semester
117, 317 Tuba (2 credits). Each semester
118, 318 Tuba (4 credits). Each semester

Woodwinds

189, 389 Applied Woodwinds (2 credits). Each semester
190, 390 Applied Woodwinds (4 credits). Each semester
191, 391 Bassoon (2 credits). Each semester
192, 392 Bassoon 4 credits). Each semester
193, 393 Clarinet 2 credits). Each semester
194, 394 Clarinet (4 credits). Each semester
195, 395 Flute (2 credits). Each semester
196, 396 Flute (4 credits). Each semester
197, 397 Oboe (or English Horn) (2 credits). Each semester
198, 398 Oboe (or English Horn) (4 credits). Each semester
199, 399 Saxophone (2 credits). Each semester
200, 400 Saxophone (4 credits). Each semester

Organ

131, 331 Organ (2 credits). Each semester. Prerequisite: Level 3 Piano proficiency.
132, 322 Organ (4 credits). Each semester. Prerequisite: Level 3 Piano proficiency.

Percussion

141, 341 Percussion (2 credits). Each semester
142, 342 Percussion (4 credits). Each semester

Piano

150 Piano Class (1 credit). Each semester. Maximum 2 credits allowed.
151, 351 Piano (2 credits). Each semester
152, 352 Piano (4 credits). Each semester

Voice

180 Voice Class (2 credit). Each semester. Maximum 2 credits allowed.
181, 381 Voice (2 credits). Each semester
182, 382 Voice (4 credits). Each 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. Each semester.
444 Music Education-Bachelor of Arts Senior Recital (1 credit). All students under the Music Education Emphasis will be required to present a half (½) recital in their performance major area during their senior year. This recital may also serve the Bachelor of Arts Music Major program. Prerequisite: three years or its equivalent of study in the area. 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 required 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). Students majoring in Performance Studies will be required to present a senior recital on their major instrument. Prerequisite: Major in Performance and permission of the student's supervising private teacher. Graded Pass/Fail. Eash 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 with personnel required for the recital. Required of Theory-Compsoition Majors. Prerequisite: Major in Theory-Composition and permission of supervising faculty member. Graded Pass/Fail. Eash semester.

GRADUATE LEVEL PERFORMANCE STUDIES

Private lesson study in voice or on keyboard, string, wind or percussion instruments.

Students will be assigned on the basis of the audition. Performance, technical study, musical interpretation, literature and teaching technique will be stressed.

All MA-500 level courses are repeatable for credit to a maximum of 6 credits.

MA 580	Applied Brass	(2 credits)
MA 581	Applied Strings Violin, Viola, Cello, String Bass, and Guitar	(2 credits)
MA 582	Applied Keyboard Piano, Organ, Harpsichord	(2 credits)
MA 583	Applied Percussion	(2 credits)
MA 584	Applied Voice	(2 credits)
MA 585	Applied Woodwinds Flute, Oboe, Clarinet, Saxophone, Bassoon, Recorder	(2 credits)

ME MUSIC, ENSEMBLE

All ME Courses may be repeated for credit up to the maximum allowable as stated in the course descriptions.
101, 301 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 prohibited. Maximum credits: ME 101 and-or ME 301, 8 cr. Each semester.
105, 305 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 is prohibited. Prerequisite: Enrollment is by audition and Music Department approval. Maximum credits: ME 104, and-or ME 305, 8 cr. Each semester.
110, 310 Vocal Ensemble (1 credit). A course designed to promote participation in the repertiore knowledge of music for small vocal ensembles. Literature will include 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.
120, 320 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 for 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, 326 Jazz Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of jazz ensemble. Includes performance of Dixieland, be-bop, 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 in jazz. A public performance will be required each semester. 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, 340 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.
141-341 Keyboard Percussion Ensemble (1 credit). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble. Each semester.
150, 350 Orchestra (1 credit). The Boise State University Community Symphony is composed of students and experienced musicians of the community 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 and increasing repertorie knowledge for small string ensembles. A public performance is required each semester. Maximum credits: ME 150, and-or ME 360, 8 cr. Prerequisite: permission of instructor. Each semester.
167, 367 Guitar Ensemble (1 credit). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). Prerequisite: Second year playing proficiency and permission of instructor. Maximum credits: ME 167 and-or 367, 8 cr. Each semester.
180, 380 Accompanying (1 credit). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique.
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 presented. 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 385, 8 credits.

Graduate

510 Choral Ensemble (1 credit). A general chorus open to all interested students. The format of the class will be directly related to the size of enrollment: i.e., choir, chamber ensemble, or collegium 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, Classic, 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 practices of ensemble literature.

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. Each 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, rhythmic patterns, etc. The course is designed for students aspiring to be music majors but lack the necessary fundamentals background.
119 Materials of Music I (3 credits). This course includes music fundamentals (notation, intervals, triads, scales and modes, key signatures); melodic cadences, aspects, with emphasis on aural and visual recognition, 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.
120 Materials of Music II (3 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 mutation. Emphasis is on aural 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 which emphasizes auditory training in scales (including the modes and major and minor) and all intervals. The course includes drill in solfeggio and sight singing leading up to aural recognition of 3-part and 4-part harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Materials of Music I and II. Fall spring semesters.
133 Introduction to Music (3 credits). An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. The emphasis is laid upon the enjoyment of music through the understanding of recorded and live music. Each semester.
147 Survey of Opera and Music Theatre (1 credit). An historical survey of the development and growth of opera and music theatre through chronological study of scores, recordings, sound filmstrips, and library resource materials from the beginning of the Baroque period to Contemporary Modern Opera and Music Theatre compositions. Required of voice majors. Meets twice a week. Fall semester.
213 Functional Piano (2 credits). Class instruction for Music Education majors; designed to build fundamental keyboard skills through scales, chords, arpeggios and other studies. Building of a repertoire of songs and the learning of a variety of chording techniques useful in teaching classroom music. Prerequisite: Materials of Music II MU 120. One year of piano study recommended prior to enrollment. May be repeated once for credit. Each semester.
219 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; cantus firmus techniques; remote modulations; compositional

skills involving the above. Prerequisite: MU 120 or equivalent competency and piano per MU 119. Fall semester.

220 Materials of Music IV (3 credits). This course includes introductions to invention and fugue techniques 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, solfeggio and dictation in two, 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 II MU 120. Ear Training I-II MU 121 and MU 122, and at least one year of piano, or concurrent piano study. Fall-Spring semester.

257 String Instrument Techniques and Methods (2 credits). Primarily for Music Education Majors, this course deals with methods and materials of string-class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello, and string bass. 1 hour lecture, 2 hours lab per week. Fall semester.

261 Basic Conducting (1 credit). Fudamental 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 all levels, primary through secondary programs. Meets twice a week—one lab period and one formal class period. Lab period will be visitation in public schools. Either semester.

Upper Division

305 History and Literature of the Romantic Era (3 credits). Study and consideration of representative musical works from Schubert and Beethoven to Mahler and Richard Strauss. The relationship of these works to parallel movements in literature and the other arts. Prerequisite: Materials of Music II MU 120. Fall semester.

306 History and Literature of the Twentieth-Century (3 credits). Styles and characteristics of music from the last decades of the previous century to the present. Works from Mahler and Debussy to recent developments in aleatoric and electronic music; consideration of jazz and other recent influences in American music. Prerequisite: Materials of Music MU 120. Spring semester.

307 History and Literature of the Medieval and Renaissance Eras (3 credits). The analysis of the development of Western music from Greek theory and its cultural roots through Palestrina and his contemporaries. Consideration of the music of these periods as artistic entities and foundations for subsequent expression. Prerequisite: Materials of Music II MU 120. Fall semester.

309 History and Literature of the Baroque Era (3 credits). The development of understanding, style and characteristics of music of this period through score reading, analysis and discussion. Works from the Gabrielis through Bach and Handel will be considered. Prerequisite: Materials of Music II MU 120. Etiher semester.

310 History and Literature of the Classic Era (3 credits). Works from the early classical school through Haydn and Mozart will be the basis of the course. Attention will be given to the evolution of classical forms through score reading, listening and analysis. Prerequisite: Materials of Music II MU 120. Spring semester. (Not offered 1975-76).

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 modulate, 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 II MU 120, and Beginning Ear Training MU 121 and MU 122 for student majoring in piano or organ. For non-keyboard majors, the student must have had one to two years piano study. Fall-Spring semester.

321-322 Counterpoint (2 credits). A study of the 16th century composition techniques. The C clefs will be used and the student will write in two, three, and four parts, using the five classic species of counterpoint. If time permits the writing will be extended to include five and six parts and original compositions in the style. Prerequisite: Materials of Music IV MU 220. Completion of MU 221 and MU 222 is desirable. Fall-Spring semesters.

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. Each semester.

365 Choral Conducting (1 credit). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. Meets twice a week. Prerequisite: Basic Conducting MU 261. Fall semester.

366 Instrumental Conducting (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.

368 Percussion Techniques and Methods (2 credits). Primarily for Music Education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic performing techniques. Meets three times per week. Spring semester.

369 Brass Techniques and Methods (2 credits). Primarily for Music Education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments. Meets three times per week. Spring semester.

370 Guitar for Classroom Teachers (2 credits). A course designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on accompaniment skills, elementary skills, elementary chord theory, melodic playing, proper hand position and note reading. Musical materials is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit. Either semester.

371 Music Methods for the Elementary School Teacher (2 credits). Materials, methods and problems relating to classroom music in grades K through six. Prerequisite: Music Fundamentals MU 101 or equivalent. Each semester.

372 Teaching Music in the Elementary Classroom (2 credits). Designed for the music education major, this course will deal with: curriculum design; teaching methods such as Orff, Kodaly, "Threshold to Music"; materials and evaluative techniques for dealing with music and the general student in elementary schools. Included in the course will be planning and evaluation of classroom and general music, music appreciation courses, and the use of music in related arts and humanities courses. The course will consist of two lectures plus one lab period per week. Prerequisite: Orientation to Music Education MU 271. Fall semester.

385 Choral Methods and Materials (2 credits). Designed for Music Education majors who will be teaching vocal groups in junior and-or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups. Meets three times a week. Prerequisite: Basic Conducting MU 261. Spring semester.

387 Band and Orchestra Methods and Materials (2 credits). The study of the organization and administration of bands and orchestras at the secondary school level; includes equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments. Fall semester.

409 Elements of Form (3 credits). Elements of form from both design and harmonic structures standpoints. Detailed analysis of the phrase and the simpler binary and ternary forms; cursory examination of larger forms. Prerequisite: Materials of Music IV MU 220. Fall semester.

410 Advanced Form and Analysis (2 credits). Analysis of Harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto. Baroque forms. Prerequisite: Elements of From MU 409. Spring semester.

455 Band Arranging (2 credits). Required of majors in Music Education and in theory and Composition. A study of scoring and notation for brasswind, woodwind, and percussion instruments and their textures in various combinations. Prerequisite: Materials of Music IV MU 220. Fall semester.

457 Major Instrument Literature (Piano, Voice, Guitar) (2 credits). A survey course to acquaint the student with the important literature from all periods for Piano, Voice or Guitar. Section 1 Piano Literature. Section 2 Guitar Literature. Section 3 Vocal Literature. Prerequisite: Upper division standing in performance.*

463 Major Instrument Pedagogy (Piano, Voice, Guitar) I (2 credits). A survey and comparative study of pedagogical materials, principals and procedures. The course will consist of reading, lecture, listening and observation in teaching studios. Prerequisite: Upper division standing in performance. Offered in years alternating with MU 457.*

464 Major Instrument Pedagogy (Piano, Voice, Guitar) II (2 credits). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening and discussion involving pedagogical techniques. Prerequisite: MU 463 Pedagogy I. Offered in years alternating with MU 457.*

498 Music Seminar (2 credits). A Seminar project under faculty direction. Prerequisite: Senior standing Either semester.

*No more than three of the following courses will be offered in any one semester: MU 457, MU 463, MU 464.

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 Blacks, Indians, 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 techniques, problems in music educational research, and a review of literature pertinent to students' major area of interest will be included.

505 Seminar in Choral Music: Performance practices and Styles (3 credits). An historical, generic survey of the repertoire in choral literature. Emphasis will be placed on facets of interpretation through a study of representative compositions from the standpoints of performance practice, analytic techniques, and the reading of primary sources of pertinent information.

506 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 enable the performer or the conductor to more adequately understand and communicate the musical language of the period. Basic historical background of the specific works considered will be covered. A close examination of the instrumentation used in these works, in relation to modern instrumentation, will be made. The validity and effectiveness of band transcriptions will be emphasized in the study. The works considered will embrace compositions for small ensembles as well as large.

511 20th Century Musical Studies (3 credits). A study of 20th century compositional techniques and performance practices through analyses, discussion of aesthetics, listening, performance, and creative writing. Contemporary techniques (and their notation), such as quartal harmonies, serialization, improvisation, electronic music, microtones, and multimedia, will be explored and their application to the secondary school music classroom will be discussed.

561 Advanced Conducting (3 credits). Designed for secondary music teachers, this course provides opportunity to discover and analyze technical conducting problems, both instrumental and choral, in music of the various historical eras, which forms a significant part of the secondary school repertoire.

570 New Developments in Music Education (3 credits). This course is designed to acquaint the secondary school music specialist with new ideas in music education. Curriculum design of new developments such as integrated arts and humanities courses, shifting of importance in music classes to understanding of music, recent major reports such as the Tanglewood Seminar, Music Educators National Conference Committees, and the development of a philosophical base for the inclusion of music in the curriculum will be among topics covered.

571 Advanced Practices and Principles in Teaching Music in the Elementary School (3 credits). The course is designed to extend the professional teacher's knowledge of teaching techniques and curricula of the elementary school classroom music program. Included will be problems in teaching elementary school music, the teaching of reading skills in music, the non-singer in the classroom, creative musical activities to be used in the classroom, new approaches to music education such as the *Threshold to Music and Manhattanville Music Curriculum Program*, and the survey of pertinent research relevant 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 intergrating listening works with singing activities through a conceptual approach will be stressed. Also emphasized will be ways of correlating musical activities with the areas of literature, painting, sculpture and architecture. Students will be directly involved in teaching lessons within the class. Prerequisites: Public School Music, MU 371, experience in general or special classroom teaching, or consent of instructor, fall semester.

573 Advanced Methods and Techniques for the Instrumental Instructor (3 credits). A study of causes and solutions for problems occurring in the instrumental rehearsal. Areas to be covered include instrumental methods and techniques, rehearsal techniques, organization and repertoire planning.

574 Advanced Methods and Techniques for the Choral Instructor (3 credits). A study of causes and solutions for problems occurring in the choral rehearsal. Areas to be covered include vocal methods and techniques, rehearsal techniques, organization and repertoire planning.

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.

591 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 curricular 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, stylistic considerations, etc.

D. A written examination on five questions chosen by the student's committee chairman from a list of twenty submitted by the student

593 Thesis (6 credits). A scholarly paper embodying results of original research which are used to substantiate a specific view.

DEPARTMENT OF PHYSICS ENGINEERING AND PHYSICAL SCIENCE

Chairman and Professor: Dr. Gary R. Newby; *Professors:* Dahm, Luke; *Associate Professors:* Allen Campbell, Hahn, Severance; *Assistant Professors:* Parks, 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. This 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: (All Engineering Majors)	**1ST SEM.**	**2ND SEM.**
English Composition (E 101-102)	3	3
College Chemistry (C 131-132-133)	4	3
Calculus and Analytic Geometery (M-204-205)	5	4
Engineering Fundamentals (EN 107-108)	2	2
Digital Computer Programming (EN 104)	2	—
Physics I (PH 220)	—	3
Physical Education	1	1
	17	16

COMMON SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Physics II and III (PH 221-222)	3	3
Wave Motion and Heat Lab (PH 223)	1	—
Electricity and Magnetism Lab (PH 224)	—	1
**Humanistic-Social Elective	3	3
Introduction to Mechanics (EN 205)	3	—
*Systems and Circuits I & II (EN 221, EN223)	3	4
Calculus and Analytic Geometry (M 206)	4	—
Advanced Engineering Math (M 321)	—	4
(Branch Variation—See Below)	—	2-3
	17	17-18

*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
7

Mechanical Engineering

Dynamics of Rigid Bodies (EN 206) 2

Chemical Engineering

Organic Chemistry (C 317) 3
Principles of Economics (EC 201) 3
6

Electrical Engineering

Engineering Science Elective 3

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	**Credits**
1. General University and Baccalaureate Degree Requirements (See Pages 23-25)	30
2. Major Requirements	98
A. Physics*	46
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 1
B. Engineering 14
Computer Programming, EN 104, 225 4
Systems & Circuits I & II, EN 221, 223 7
Thermodynamics, EN 320 3
C. Math 21
Calculus Sequence, M 204, 205, 206 13
Engineering Math, M 321
or
Differential Equations, M 331 4
Numerical Analysis, M 340 4

*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.

D. Chemistry 9
E. Recommended Electives 8

(Suggested Program for a Bachelor of Science Degree in Physics)

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Comp. (E 101, 102)	3	3
College Chemistry (C 131, 132, 133, 134)	4	5
Calculus & Anal. Geometry (M 204, 205)	5	4
Digital Computer Programming (EN 104)	—	2
Physics I (PH 220)	—	3
Area I or II Requirement	3	—
	15	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Physics II & III (PH 221, 222)	3	3
Wave Motion & Heat Lab (PH 223)	1	—
Electricity & Magnetism Lab (PH 224)	—	1
Systems & Circuits I & II (EN 221, 223)	3	4
Calculus & Anal. Geometry (M 206)	4	—
Advanced Engineering Math (M 321)	—	4
Applied Programming (EN 225)	2	—
Area I or II requirement	3	3
Area I or II requirement	—	3
	16	18

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Modern Physics (PH 311, 312)	3	3
Electronics Lab (PH 301)	3	—
Transducers (PH 304)	—	2
Laboratory Microprocessor Applications (PH 307)	—	3
Thermodynamics (EN 320)	3	—
Optics (PH 331)	4	—
Numerical Analysis (M 340)	—	4
Area I or II requirement	3	3
	16	15

SENIOR YEAR:	1ST SEM.	2ND SEM.
Electricity & Magnetism (PH 381, 382)	3	3
Mechanics (PH 341)	4	—
Senior Lab (PH 481)	3	—
Advanced Topics (PH 422)	—	3
Electives	3	5
Area I or II requirement	3	3
Physics Seminar (PH 499)	—	1
	16	15

II. Secondary Option	Credits
1. General College Requirements	30
2. Major Requirements	78
A. Physics	38
Physics I-III	9
Physics Lab I & II	2
Intro to Descriptive Astronomy	4
Biophysics	4
Modern Physics	6
Optics	4
Electronics Lab	3
Senior Lab	3
Independent Study on modern ideas on learning	3
B. Engineering	5
Computer Programming	2
Thermodynamics	3
C. Math	17
Calculus Sequence	13
Engineering Math	4
D. Chemistry	9
E. Recommended Electives	9
3. Education Requirements	20
Foundations of Education	
Educational Psychology	
Secondary School Methods	
Secondary Student Teaching	
Education Electives	

CONSTRUCTION MANAGEMENT

(Bachelor of Science Requirements)

This program is offered for the first time in the 1977 Fall semester. The upper division Construction Management courses (designated as CO) will be offered, subject to funding, beginning in Fall 1979. Excluding the 2 Econ. Courses, no more than 36 hrs. may be taken from School of Business courses.

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
E 101, 102 English Comp.	3	3
M 111 Algebra & Trigonometry	5	—
M 204 Calculus and Analy. Geom.	—	5
EN 101 Technical Drawing	2	—
PO 102 State & Local Gov.	3	—
Area 1 Elective	3	3
EN 104 Digital Comp. Progr.	—	2
Area II Elective	—	3
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
M 205 Calculus & Analy. Geom.	4	—
PH 220 Physics I—Mechanics	3	—
EC 201 Principles of Economics	3	—
AC 205 Intro. to Financial Acct.	3	—
GB 202 Business Law I	3	—
EN 205 Intro. to Mechanics	—	3
PH 222 Physics III—Elect. & Mag.	—	3
EC 202 Principles of Economics	—	3
AC 206 Intro. to Managerial Acct.	—	3
GB 207 Statistical Tech. for Decision Making I	—	3
PH 224 Elect. & Mag. Lab	—	1
	16	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
EN 215 Basic Surveying	2	—
CO 346 Contacts, Plans, Specifications	3	—
AC 351 Cost Acct.	3	—
MG 301 Principles of Manag.	3	—
Area I Elective	3	3
EN 306 Mech. of Materials	—	3
CO 370 Cost Est. & Bidding	—	3
FI 303 Prin. of Finance	—	3
Electives	—	4
MG 330 Labor Law	3	—
	17	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
MK 301 Basic Marketing Management	—	3
CO 374 Construction Operation	3	—

CO 320 Construction Equipment and Materials	3	—
MG 401 Human Resource Mgmt.	3	—
MG 340 Labor Relations	3	—
Electives	4	3
CO 417 Project Sched. & Const.	—	3
CO 350 Elect. & Mech. Installation	—	3
GB 450 Business Policies	—	3
	16	15

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 functions and related legal problems. Prerequisite: EN 101 and GB 202. Fall 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. Spring semester.

370 Cost Estimating and Bidding (3 credits). Extracting quantities from drawings, compiling and pricing estimates, preparation of bids. Prerequisites: 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 high school or work experience background in this area. Covers lettering, use of drawing instruments, geometric construction, orthographic projections, sectioning, dimensioning, pictorial 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 programming principles and logic. Consideration and subroutine subprograms, applied to problem solving. Prerequuisite: M 106, M 111 or M 115 or having taken or taking mathematics beyond this level. Credit cannot be obtained for both EN 104 and M 124 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.

205 Introduction to Mechanics (3 credits). Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysi Kinetics of particles including concepts of force, mass, acceleration, work, and energy, impulse and momentum. Corequisite: M 205. Prerequisite: PH 220. Each semester.

206 Dynamics of Rigid Bodies (2 credits). Analysis of forces and the resulting motion as pertains 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 as both 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 computations 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 112. Fall Semester.

223 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 lec. and one 3-hour lab per week. Prerequisite: EN 221. Spring semester.

224 Electricity and Magnetism Lab (2 credit). (See PH 224).

225 (M 225) Applied Fortran Programming (2 credits). A general course to illustrate advanced techniques in Fortran programming with applications drawn from engineering, physics, chemistry, geology and mathematics. Prerequisite: EN 104 and M 205. Credit cannot be obtained from both EN 225 and M 225. Fall semester.

Upper Division

301 Fluid Mechanics (3 credits). Physical properties of fluids: fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. Three recitations per week. Prerequisites: Calculus M 206 and Intro to Mechanics EN 205. Spring semester.

306 Mechanics of Materials (3 credits). Elasticity, strength, and modes of failure of engineering materials, theory of stress and strains for columns, beams and shafts. Three class periods per week. Prerequisites: Intro to Mechanics EN 205 and Calculus M 206. Spring semester.

320 Thermodynamics and Heat Transfer (3 credits). First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration, conduction and radiation. Three recitations per week. Prerequisites: Calculus M 206 and Physics II—Wave Motion and Heat PH 221. Fall semester.

382 Engineering Economy (2 credits). Economic analysis and comparision of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. Prerequisite: Junior standing. Spring semester.

PS PHYSICAL SCIENCE

Lower Division

100 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

501 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 to present to the class during the course. Prerequisite: None.

PH PHYSICS

Lower Division

100 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-medic 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, flouroscopy, cine-radiography, video tape systems, stereoradiography, body section, radiography, therapeutic radiology and nuclear medicine. Prerequisite: PH 103. 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 lecture and one two-hour laboratory. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for non-science majors. Each semester.

109 Introduction to Computers (4 credits). (Crosslist—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, energetics, 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 lab. 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 vibratory motion. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: M 112. 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. Basic 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 instru-

mentation. 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, oscillators, 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 in order 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 223. Spring semester.

311-312 Modern Physics (3 credits). A brief introduction to the special theory of relativity, basic ideas and methods of elementary quantum 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 visible region of the electromagnetic spectrum. Three 1-hour lectures and one 3-hour lab per week. Prerequisites: PH 221 and PH 222. Fall semester.

341 Mechanics (4 credits). An upper division course which approaches classical mechanics with the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. 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.

DEPARTMENT OF POLITICAL SCIENCE

Chairman and Professor: Dr. Williard M. Overgaard; *Professors:* Skillern, Donoghue; *Assistant Professors:* Brinton, Fry, Raymond, Schoedinger, *Instructors:* Moncrief, Kinney, Mabbutt; *Assistant Professor Emeritus:* Peterson; *Special Lecturers:* Kuykendall, Harbison.

The program of the Department of Political Science is designed to provide the student with a knowledge of political values, of the American political system, of the political systems of other areas of the world, and of international politics and institutions; to provide an understanding of the interactions of institutions, groups, and the individual within the framework of the diverse political systems and political relationships; to develop a comprehension of the methodology relevant to the discipline of Political Science in the various substantive areas of concentration, including political philosophy, American governmental systems and processes, political behavior, comparative government and politics, international relations, and public law; to offer special concentration in the area of public administration.

The Department of Political Science seeks also to provide innovative opportunities to extend further the student's understanding of the political environment on the local, national, and international levels.

The Political Science program prepares students for careers in the various levels of government service, in teaching, in law, and in related professions. The undergraduate program prepares students for graduate study in Political Science and related disciplines. It also offers electives in support of major programs in other disciplines.

In addition to the several optional major programs in Political Science, the College offerings in the classical discipline of Philosophy are provided through the Department of Political Science.

A Master's of Public Administration degree program is also offered through the Department of Political Science.

REQUIREMENTS FOR POLITICAL SCIENCE MAJOR BACHELOR OF ARTS PROGRAM

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

I. Political Philosophy
II. American Governmental Systems and Processes
III. International Relations
IV. Public Administration

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

V. Political Science

Social Science Secondary Education

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

PO 101	American National Government	3 credits
PO 141	Contemporary Political Ideologies	3
PO 229	Comparative European Governments and Politics	3
PO 231	International Relations	3
PO 498	Seminar (Scope and Methods of Political Science)	3 credits

The Seminar is not applicable to public administration area of emphasis.

At least 3 Semester credits in Western Political Theory required. PO 441, PO 442 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)

PO 101	American National Government	3 credits
PO 141	Contemporary Political Ideologies	3
PO 229	Comparative European Governments and Politics	3
PO 231	International Relations	3

2. **Upper Division Courses** (33 credits)

PO 301	Parties, Electoral Process and Interest Groups	3 credits
PO 351	Constitutional Law	3
PO 331	American Political Theory	3
PO 441	Western Political Theory I	3
PO 442	Western Political Theory II	3
PO 451	Comparative Legal Systems	3
PO 498	Senior Seminar (Scope and Methods of Political Science)	3
	Political Science electives	12

II. Political Science—**American Governmental Systems 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)

PO 101	American National Government	3 credits
PO 102	State and Local Government	3
PO 141	Contemporary Political Ideologies	3
PO 221	Public Opinion and Voting Behavior	3
PO 229	Comparative European Governments and Politics	3
PO 231	International Relations	3

2. **Upper Division Courses** (27 credits)

PO 301	American Parties and Interest Group Politics	3 credits

PO 303	Introduction to Public Administration	3
PO 312	Legislative Behavior	3
PO 331	American Political Theory	3
PO 351	Constitutional Law	3
PO 498	Senior Seminar (Scope and Method of Political Science)	3
	Political Science Electives	9

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 intended 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)

PO 101	American National Government	3 credits
PO 141	Contemporary Political Ideologies	3
PO 229	Comparative European Governments and Politics	3
PO 231	International Relations	3

2. **Upper Division courses** (33 credits)

PO 311	Comparative Foreign Policy	3 credits
PO 324	Comparative Communist Party State Systems	3
PO 333	Comparative Governments and Politics of the Developing Nations	3
PO 335	United States Foreign Policy	3
PO 421	International Law	3
PO 422	International Organization	3
PO 451	Comparative Legal Systems	3
PO 498	Senior Seminar (Scope and Methods of Pol. Sci.)	3
	Political Science Electives	9

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)

PO 101	American National Government	3 credits
PO 102	State and Local Government	3
PO 141	Contemporary Political Ideologies	3
PO 229	Comparative European Government and Politics	3
PO 231	International Relations	3

2. **Upper Division Courses** (30 credits)

PO 303	Introduction to Public Administration	3 credits
PO 310	Public Finance	3
PO 320	American Policy Processes	3
PO 465	Comparative Public Administration	3
PO 467	Administrative Law	3
PO 469	Intergovernmental Relations	3
PO 487	Organization Theory and Bureaucratic Structure	3
	Political Science Electives	9

V. Political Science—**Social Science Secondary Education Option**

Each academic department in the social sciences (History, Political Science, Societal and Urban Studies, and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the department's subject matter plus two additional fields of study or teaching minors of 15 credits each chosen from the other social science fields.

30 Credit Hour Program—24 credit hours **required** courses:

PO 101	American National Government	3 credits
PO 102	State & Local Government	3
PO 221	Public Opinion and Voting Behavior	3
PO 231	International Relations	3
PO 229		
324	or	
333	Comparative Government	6
PO 331		
441	or	
442	Political Theory	6
		24
	Plus upper division Political Science electives	6

15 Credit Hour Emphasis—9 credit hours **required** courses:

PO 101	American National Government	3 credits
PO 231	International Relations	3
PO 331	and/or	
442	Political Theory	3-6
	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
		15

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 to the foundation of the MPA program for all students; also a student must provide evidence of proficiency in skills of statistics, data processing, or accounting, either through undergraduate preparation or previous work experience. Deficiencies in these areas will be made up outside of the required curriculum. A student may be required to remove other deficiencies related to specified areas of emphasis in the MPA program, as determined by the Inter-University Committee.

Specific Admission Requirements for Applicants 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.

a. 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. Sociology
   b. Economics
   c. Psychology
5. At least three semester credits in one of the following areas:
   a. Accounting
   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.

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 requirement or 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 requirement of an integrated program designed to meet career objectives of the student in public administration.

CORE AND OPTIONAL AREA REQUIREMENTS

The specific course requirements of the MPA program are set forth in a list of courses which 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 comprise 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 AREAS

(*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 FISCAL 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
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 585 SELECTED TOPICS—Intergovernmental Relations
PO 586 SELECTED TOPICS—Community and Regional Planning
PO 587 SELECTED TOPICS—Comparative Public Administration and Planning Systems

Arrangements may also be made in the following courses.

PO 593 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 PROBLEMS IN CORRECTIONAL TREATMENT
CR 511 SPECIAL 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. **Environmental and Natural Resources Administration**
(No course offering yet provided at BSU in the MPA program)

F. **Local Government Administration**
(Planned for future implementation as an area of emphasis at BSU).

G. **Public Finance, Budgeting, and Administrative Management**
(Planned for future implementation as an area of emphasis at BSU)

H. **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

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.

229 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 public policy 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 problem 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.

303 Introduction to Public Administration (3 credits). Theory, administrative organization, functions and problems of public governmental units. Prerequisite: PO 101. Each semester.

310 Public Finance (3 credits). Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy making. (Interdepartmental course with Department of Economics). Prerequisites: EC 201 and EC 202. Spring 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; examination of foreign policies and objectives of the world's major powers; analysis of contemporary international problems; consideration of theories 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 state and national legislatures. Special consideration 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.

320 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-States. 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.

333 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 nation-states in Africa, Asia, and Latin America. The patterns and problems of 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 from 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 ideational 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 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.

469G 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.

487G 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.

498 Senior Seminar (Scope and Methods of Political Science) (3 credits). An examination of the discipline of Political Science, its central problems and unifying concerns, 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.

(The 400 level courses identified with(G) are offered for graduate credit.)

Graduate

510 Fiscal Processes and Public Budgeting Process (3 credits). The determination of fiscal policy, budgeting processes, and governmental forms of budgeting. Consideration of fiscal policy and processes in various program areas. Emphasis on the interface between technical and political processes. 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.

520 Public Policy Formulation and Implementation (3 credits). The process of policy-making 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 changes in their institutional settings and role conceptions. An examination of the role of the executive in the policy-making process, including sources of strength and weakness and the strategies used to enact their programs. The problems of the relationship of the executive to 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).

590 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 documented 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.

PY PHILOSOPHY

Lower Division

101 Introduction to Philosophy (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 of 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 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 Metaphysics (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 preception 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

303 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. (Course 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 of human problems: man is subjective by nature, for he 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.

404 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.

406 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.

DEPARTMENT OF SOCIAL WORK

A Baccalaureate Degree Program in Social Work fully accredited by the Council on Social Work Education

Chairman Associate Professor: Douglas Yunker; *Associate Professors:* Huff, Oliver, Panitch; *Special Lecturer:* Moore.

Field Work Instructors: David Johnson, Idaho Youth Ranch; Arthur Dodson, Tom Wedeven, Casey Family Program; Arlene Warner, Idaho Office on Aging; David Stout, Region III Mental Health; Charles Hansen, Allen Jarrett, Patrece Moody, Barry Kurz, Veterans Administration Hospital; Jane Knowlton, Carol Skov, William Handorf, Region IV Child Protection Unit H&W; Jeanne Dunbar, El-Ada Community Action, Inc.; Ann Gossi, Information & Referral; Birgitta Burkhart, Child's Future 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 distrubed, 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 and urban renewal, public health, community mental health, social welfare planning and fund-raising, race relations and the many other concerns that become especially acute both in changing neighborhoods of large cities and in depressed rural and industrial areas. Social work practice is designed to enrich the quality of life by enabling individuals, groups and communities to achieve their greatest potential development.

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	3
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	2
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 353, PO 301, PO 312, PO 320, PY 101, PY 121, PY 211, PY 231, S 101, S 102, SO 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). Survey of the field of social welfare, and the need for social services in society. Social work function and career opportunities. Required for social work major. Each semester.

201 Elementary Social Work Processes (3 credits). This course is an introduction to communication skills and interviewing techniques which are specific to the practice of Social Work. Community social service resources are reviewed. This includes three (3) hours of service per week in a social service agency, integrating interviewing skills with actual practice. Prerequisite: SW 101. Each semester.

Upper Division

301 Social Welfare (3 credits). Social Welfare as an historical and contemporary institution and how it meets human needs; public vs. private social responsibility. Prerequisite: SW 201. Each semester.

321 Normal Social Functioning (3 credits). A review of human behavior in the social environment with special emphasis on observation and understanding for social workers. Prerequisite: SW 201, SO 101 and P 101. Each semester.

385 Social Work Methods—Casework (3 credits). An examination of skills employed to serve individuals and families: communication skills, problem solving process and case recording. Prerequisite: SW 301, SW 321. Each semester.

430 Social Work Methods—Community Organization (3 credits). A study of community structure, organization and attitudes. Techniques for understanding communities, methods of working in communities, Prerequisite: SW 301, SW 321. Each semester.

435 Social Work Methods—Groupwork (3 credits). Dynamics of group behavior, understanding group interaction and the processes of working with groups. Prerequisite for Social Work majors: SW 301, SW 321. Prerequisite for non-Social Work majors: permission of instructor. Each semester.

480 Field Work I (5 credits). Sixteen hours per week, the student works as a practicing social worker under the supervision of a professionally trained and experienced social worker. The student functions as an integrated staff member except in those areas where educational benefits conflict with agency needs. All juniors must apply for admission into the field work program prior to the beginning of their second semester. Before the final decision is made as to where the students will spend their time in field placement, they are interviewed by a team of faculty members who will attempt to identify their special needs. Prerequisites: SW 301, SW 321, may take SW 385 prior to or concurrent with SW 480; must have instructor's permission. Each semester.

481 Field Work II (5 credits). Continuation of Field Work I. Prerequisites: SW 385, SW 480 and instructor's permission. Each semester.

498 Senior Level Seminar (2 credits). Discussion of topics of particular interest to Social Work students who are planning to enter practice. Must be taken concurrently with either SW 480 or SW 481. Each semester.

DEPARTMENT OF SOCIETAL AND URBAN STUDIES

Chairman and Professor: Scheffer; *Professors:* Dorman, Scheffer; *Associate Professors:* Baker, Christensen, Harvey, Pavesic: *Assistant Professors:* Corbin, Cox, Hopfenbeck, Marsh, Taylor; *Visiting Professor:* Ames.

An interdisciplinary department representing two traditional social sciences: Anthropology and Sociology, and the relatively new field of Criminal Justice Administration. Courses are offered which lead to six degree programs.

CRIMINAL JUSTICE ADMINISTRATION

General University and core requirements to meet either Bachelor of Arts or Bachelor of Science program except:

A. Criminal Justice majors are required to take.....64
- Defensive Tactics*.....1
- Mathematics.....4
- Fundamentals of Speech—Communication.....3
- Economics.....3
- American National Government.....3
- State and Local Government.....3
- Principles of Accounting.....3
- Applied Business Communications**.....

B. Major Requirements

Lower Division.....18
- Law Enforcement in Modern Society.....3
- Patrol Administration.....3
- Jail Administration.....3
- Law of Criminal Evidence.....3
- Criminal Investigation.....3
- Vice and Organized Crime.....3

Upper Division.....24
- Administration of Justice.....3
- Police Organization and Management.....3
- Criminal Law.....3
- Contemporary Law Enforcement Problems.....3
- Comparative Law Enforcement Administration, or Introduction to Criminalistics.....3
- Abnormal Psychology.....3
- Juvenile Delinquency.....3
- Criminology.....3

C. Electives.....16-18
- Upper Division Criminal Justice (Electives).....6
- Upper Division (Electives).....10-12

*The following courses are strongly recommended: Judo, Self Defense
**Required of students who do not meet competency standards

ASSOCIATE OF SCIENCE

	CREDITS
A. Criminal Justice majors are required to take:	38-41
Defensive Tactics*	1
Mathematics	4
Lab Science	4
English Composition	3 or 6
Literature	3
History	3
Fundamentals of Speech—Communication	3
Economics	3
American National Government	3
State and Local Government	3
Principles of Accounting	3
Applied Business Communications**	3
B. Major Requirements	18
Law Enforcement in Modern Society	3
Patrol Administration	3
Jail Administration	3
Law of Criminal Evidence	3
Vice and Organized Crime	3
Criminal Investigation	3
C. Electives to bring total credits to	64

*The following courses are strongly recommended: Judo, Self Defense
**Required of students who do not meet competency standards.

REQUIREMENTS FOR SOCIAL SCIENCE MAJOR

Bachelor of Arts Program

I. Liberal Arts Option
1. General College and Basic Core requirements:
2. Social Science requirements:

	CREDITS
A. Lower Division Courses	21
Anthropology	3
Economics	3
Political Science	3
Sociology	3
Social Science Electives	9
B. Upper Division Courses (Select from the following combinations twelve credits in one field and six credits in two other fields):	24
Anthropology	
Economics	
Political Science	
Sociology	
Psychology	

REQUIREMENTS FOR SOCIOLOGY MAJOR

1. General University and core requirements to meet *either* Bachelor of Arts or Bachelor of Science Program* as given on pages 23-25. 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:

	CREDITS
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—6 hours
P 101—Introduction to Psychology

SOCIOLOGY—SOCIAL SCIENCE SECONDARY EDUCATION OPTION

Each academic department in the social sciences (History, Political Science, Societal and Urban Studies, and Economics) provides a major emphasis with the Social Science Secondary Education Option. Students must have a minimum of 30 credits in the department's subject matter plus two additional fields of study of teaching minors of 15 credits each chosen from the other social science fields.

	Credit Hours
1. General College and Basic Core requirements	18-39
2. 2 approved teaching minors, 15 hours each (minors to be selected from the following field Political Science, Anthropology, History, Geography, or Economics)	30
3. Sociology courses (required courses are the same as for the Sociology major above, including at least 15 upper division hours)	30
4. Education courses to meet Idaho State Department of Education Certification requirements for teachers in Secondary Education	20
5. State requirements for teacher certification, including U.S. History 6 hours American National Government 3 hours	9

6. Electives to complete a total of 128 credit hours including 40 upper division credit hours 0-21

15 Hour Emphasis for Social Science Secondary Education options. To include SO 101 Introduction to Sociology and at least 6 upper division hours.

15 hour Anthropology emphasis in Social Science—Secondary Education options

Required courses ..... 9 credit hours
- AN 202 Cultural Anthropology 3
- AN 201 Physical Anthropology 3
- AN 311 Peoples and Cultures of the World 3

Upper Division Anthropology Electives ..... 6 credit hours

MULTI-ETHNIC STUDIES—SOCIAL SCIENCE

The Multi-Ethnic Studies Program, which is open to all students, is an inter-disciplinary area of emphasis which will help students provide themselves with an understanding of traditions, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. Prospective majors may contact Dr. John Jensen, Department of Teacher Education; Dr. P. K. Ourada, Department of History; A. R. Corbin, Department of Societal and Urban Studies; Marnie Oliver, Department of Social Work, to develop program of study.

REQUIREMENTS FOR MULTI-ETHNIC STUDIES MAJOR

Bachelor of Arts Program	**CREDITS**
1. General College 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
	128

REQUIREMENTS FOR MULTI-ETHNIC STUDIES MINOR

Multi-Ethnic Studies Minor	
a. Requirements	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)	21

COURSES

AN ANTHROPOLOGY

Lower Division

201 Physical Anthropology (3 credits). An introduction to the fossil evidence for human evolution, population genetics, human variation, and the study of living primates with emphasis on behavior. Each semester.

202 Cultural Anthropology (3 credits). The meaning of culture; its significance for human beings, similar and diverse forms and degrees of elaboration of culture in relation to technology economic systems, social organization, values and beliefs. Each semester.

203 Introduction to Archaeology (3 credits). An introduction to the historic background and basic techniques of archaeological excavation. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, their activities and their histories. Either semester.

Upper Division

303 Old World Prehistory (3 credits). Survey of cultural evolution. The course traces human development from the first known evidence of cultural behavior (ca two and half million years ago); the development of humans during the "Ice Age," the spread of humanity throughout the Old World, the domestication of plants and animals, and the rise of civilization. Prerequisite: AN 201 or 202 or 203, upper division status, or consent of instructor. Either semester.

307 Indians of North America (3 credits). A general survey with emphasis on the description and analysis of native cultures and the role of environment and historical factors in North America. Prerequisite: AN 202, upper division status, or consent of instructor. Either semester.

311 Peoples and Cultures of the World (3 credits). The cultural patterns of representative aboriginal peoples. Technology, subsistence, social organization, and religion considered with a view toward environmental adjustment, historical development and functional interrelations. Prerequisite: AN 202, upper division status, or consent of instructor. Either semester.

315 Indian Peoples of Idaho (3 credits). A study of the prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinciveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. Prerequisites: AN 202, upper division status, or consent of instructor. Either semester.

412 Archaeology of North America (3 credits). A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native American origins and antiquities along with demonstrating regional societal complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the American Southwest and the Intermountain West. 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. Includes 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 Law Enforcement in Modern Society (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. Each semester.

212 Jail Administration (3 credits). Historical development of local detention facilities present and future trends of operation and administration. Operation of programs for the sentenced misdemeanor, first offenders, female and juvenile offenders. Special problems relative to inmate social interaction and supervision of prisoners. Prerequisite: CR 201. Fall semester.

215 Patrol Administration (3 credits). The Patrol function as the fundamental police operation multi-level decision and policy making processes, determination of functional areas of patrol responsibility. Prerequisite: CR 201. Fall semester.

225 Vice and Organized Crime (3 credits). The history, cause, nature, and control of vice and organized crime are studied. Prerequisite: CR 201. Spring 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.

Upper Division

301 Administration of Justice (3 credits). A study of the administration of justice affected by jurisprudence. Rules of Criminal Procedures, and Law of Evidence. Prerequisite: CR 201. Fall semester.

321 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 Probation and Parole (3 credits). Historical development, organization, operation, purpose and outcome of post-conviction release programs. Included will be probation, parole, work-release and others. Analysis of program effectiveness. Review of the role of the probation and parole counselor within the program framework. Prerequisite: CR 201, P 101 and SO 101. Spring semester.

***340 Principles of Interviewing** (3 credits). Familiarization with the elements of the interviewing process for law enforcement personnel. Included are both the counseling and interrogative 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 of organization and management as applied to law enforcement administration, current and future problems in criminal justice administration. Prerequisite: CR 201. Fall semester.

362 Contemporary Correctional Theory and Practice (3 credits). (Crosslist—SO 362). The historical development, processes, 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 the institution and the community. Either semester.

***380 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 231. (Alternate years). Spring semester.

411 Contemporary Law Enforcement Problems (3 credits). Exploration of current and anticipated administrative procedural areas of difficulty as they result from changing public opinion, employee 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 per-

sonnel security, and legal and jurisdictional limitations. Prerequisite: CR 201, upper division CJA standing. Fall semester.

***451 Comparative Law Enforcement Administration** (3 credits). An analysis and comparison of law enforcement systems at the Federal, State, and local levels and International systems. Prerequisite: CR 201. (Alternate years). Spring semester.

***Non-majors by permission of instructor.**

Graduate*

510 Special Problems in Correctional Treatment (3 credits). Analysis of contemporary problems in the correctional programs of American society. Either semester.

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 301. Either semester.

SO SOCIOLOGY

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 organization, socialization: inequality, and population. Each semester.

102 Social Problems (3 credits). Application of the sociological analysis to contemporary problems associated with the structure of American society. Each semester.

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 systematic inequality. Either semester.

240 Sociology of the Family (3 credits). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. Prerequisite: SO 101. 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 housing: (2) composition of the population, past and present trends of populations. Prerequisite: Introduction to Sociology SO 101. Either semester, alternate years. Not offered 1978-79.

Upper Division

305 Racial and Cultural Minorities (3 credits). Analysis of inter-ethnic contacts. The development of racial attitudes; theories relating to casual factors of prejudice and discrimination. Prerequisite: Introduction to Sociology SO 101 or General Psychology P 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 in research. Recommended for majors, to be taken in the Junior year and followed by SO 311. Prerequisite: SO 101, High School Algebra, upper division status. Fall semester.

311 Social Research (3 credits). An introduction to the empirical basis of modern sociological methods of research, design and the statistical analysis of social data. Prerequisite: Introduction to Sociology SO 101, Elementary Social Statistics SO 310 and upper division status. Spring semester.

321 American Society (3 credits). An analysis of American society in terms of the growth, structure, and change of its major social institutions, economy, government, religion, education and family. Prerequisite: Introduction to Sociology SO 101 and upper division status. Either semester, alternate years. Not offered 1978-79.

325 Sociology of Aging (3 credits). Analysis of aging as a social process emphasizing the changing role as a result of the process, the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. Prerequisite: SO 101 and upper-dividion 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.

351 Social Institutions (3 credits). Study of the basic institutions. An analysis of values, forms, and behavior organized around the important goals of society. Prerequisite: SO 101, and upper division status.

361 Industrial Sociology (3 credits). Study of the social organization of work in industrial society with attention to internal human relations and to the external relations in the community and society. Prerequisite: SO 101 and upper division status. Either semester.

362 Contemporary Correctional Theory and Practice (3 credits). (Crosslist—CR 361). The historical development, processes, 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 the institution and the community.

401 History of Sociology (3 credits). Presociological perspectives on society from ancient times to the 20th Century. Relationships of social thought and social structure. Theories of selected sociologists. Prerequisite: SO 101 and upper-division status. Fall semester.

402 Current Sociological Perspectives (3 credits). Major theoretical issues in contemporary sociology; works of leading contemporary sociologists. Prerequisite: SO 101 and upper division status. Spring semester.

403 Social Change (3 credits). This course will study the factors which give rise to and influence the acceptance or rejection of innovations, and their effects on social institutions. Prerequisites: SO 101 and upper division status. Either semester.

407 Sociology of Religion (3 credits). A study of religion as a social phenomenon. Prerequisite: SO 101 and upper division standing. Offered alternate years.* Either semester.

415 Juvenile Delinquency (3 credits). A study of causation, treatment, and control of juvenile delinquency. Prerequisite: SO 101 and upper-division status. Either semester.

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 attempts to control criminal behavior. Prerequisite: SO 101 and upper division status. Either semester.

421 Social Stratification (3 credits). Examination of the theoretical and methodological approaches to the study of the wealth, prestige and power distribution of local and national stratification systems, implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: SO 101 and upper division status. Spring semester. Offered alternate years.

424 Rural Sociology and the Emerging Nations (3 credits). The sociological study of rural life, the agrarian society and the phenomena of the emerging nations. Prerequisite: SO 101 and upper division status. Either semester. Offered alternate years.

425 The Urban Community (3 credits). An examination of the changing growth, demographic, stratification and institutional structure of urban communities, the causes of urbanization and its consequences for individual and group interaction. Prerequisite: SO 101, and upper division status. Either 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 either Psychology *or* Sociology credit, but not for both. Prerequisite: P 101 or SO 101 upper division status. Either semester.

487 Organizational Theory and Bureaucratic Structure (3 credits). A socio political analysis of the theories and concepts of complex social organizations, their application to public administration and the interrelationship between political science and sociological organizational theory. (This course is offered on an interdepartmental basis with the Department of Political Science and is also designated as PO 487 for students undertaking a major program in Political Science.) Prerequisite: Upper division standing and consent of the instructor. Either semester.

498 Sociology Seminar (2 credits). Intensive study of selected problems in sociology. Prerequisite: Senior standing in Sociology major. Spring semester.

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 The Sociology of Age Group Stratification (3 credits). Examination of the sociological effect of age as a major dimension of social organization and stratification in American society and Western civilization. The course will consider the effects of changing patterns of longevity, resultant changes in age distribution of the population as these factors affect social, economic, and political systems, Either semester.

512 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 the planning for human service programs. Either semester.

580 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.

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

DEPARTMENT OF THEATRE ARTS

Chairman and Associate Professor: Dr. Robert E. Ericson; *Professor:* Shankweiler; *Associate Professor:* Lauterbach; *Assistant Professors:* Corbett, Heise; *Instructor:* Bedard.

REQUIREMENTS FOR THEATRE ARTS MAJOR

Bachelor of Arts Program

General college requirements as listed under college requirements, Bachelor of Arts degree except:

A. Theatre Arts majors are required to take two hours of Physical Education courses as recommended by their advisor, (i.e., fencing, dance, gymnastics, etc.)

CREDITS

*The graduate level courses to support this program will be regularly offered in the fall and spring semesters when funded by the legislature.

B. Area I 12
- Intro to Theatre and Art or Music course 6
- Dramatic Literature 3
- Elective Literature course 3

C. Area II 12
- History of Western Civilization 6
- Elective 6

D. 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
World Drama	6
Directing	3
Theatre History	6
Contemporary Drama	3
	35

(Upper Division—21)

SECONDARY EDUCATION:

Departmental requirements for the Secondary Education Option are the same as regular theatre major plus:

TA402 Directing

E345 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)

THEATRE EMPHASIS:

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Physical Education*	1	1
Laboratory Science	4	4
Introduction to Theatre*	3	—
Technical Theatre*	4	4
Art or Music	—	3
Introduction to use of Books & Libraries	—	2
	15	17

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Literature Elective	3	—
Dramatic Literature*	—	3
Western Civilization*	3	3
Acting*	3	—
Social Science Elective	3	—
Laboratory Science	—	4
Oral Interpretation	3	—
Electives	4	6
	16	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Foreign Language	4	4
Stage Voice*	3	—
World Drama	3	3
Electives (Upper Division)	6	8
	16	15

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Directing*	3	3
Theatre History*	3	3
Electives (Upper Division)	6	9
Contemporary Drama*	3	—
	15	15

SECONDARY EDUCATION EMPHASIS:

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Physical Education*	1	1
Laboratory Science	4	4
Introduction to Theatre*	3	—
Technical Theatre*	4	4
Electives	—	3
	15	15

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Literature Elective	3	—
Dramatic Literature*	—	3
Western Civilization*	3	3
Laboratory Science	—	4
Social Science Elective	3	—
Oral Interpretation	—	3
Acting*	3	—
Electives	4	3
	16	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Foreign Language	4	4
Stage Voice*	3	—
Shakespeare*	—	3
Speech for Teachers	—	3
Educational Psychology	3	—
Foundations of Education	—	3
Philosophy	3	—
World Drama*	3	3
	16	16

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Directing*	3	3
Theatre History*	3	3
Secondary School Methods	3	—
Education Electives	—	3
Student Teaching	3	—
Electives	—	6
	18	15

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):

Lower-division Literature	9*
One of the following: E-201, Expository Composition E-205, Creative Writing, Poetry E-206, Creative Writing, Fiction	3
Upper-division electives, other than English Department drama courses	6
	18 hours

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

Courses Applying to Both Disciplines

E-345,	Shakespeare: Tragedies and Histories	3
E-346,	Shakespeare: Comedies and Romances	3
		6 hours

TOTAL HOURS IN ENGLISH MINOR FOR THEATRE ARTS MAJOR 24 hours

COURSES

TA THEATRE ARTS

Lower Division

107 Introduction to Theatre (3 credits). A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theater, dramatic literature and techniques. Each semester.

117-118 Technical Theatre (4 credits). Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions; development of drafting skills, problems solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required. Fall, Spring semesters.

162 Stage Make-up (3 credits). Investigation of and production analysis of stage make-up; the relationship of actor to play and audience; an integration of make-up and other technical aspects that influence this particular art. Practical application is emphasized. Fall semester.

215-216 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, appraisal 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 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. Spring semester.

232, 432 Repertory Theatre (3 credits). The study and practice of theatre repertory with emphasis on rehearsal and production. Some arranged hours outside of the regularly scheduled class time. Maximum credits TA 232 and-or TA 432. 6 credits. Each semester.

233 Stage Voice (3 credits). Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes. Either semester.

281 Puppetry (3 credits). An introduction to the art and craft of puppetry. Emphasis in the class will be on the actual construction of puppets and the creation of puppet plays.

287-288 Children's Theatre (3 credits). Preparation for successful work in the production of plays for primary school audiences. Theory and techniques of children's theatre production, selection of a selected script. Fall, Spring semesters in alternate years.

Upper Division

311 Advanced Acting (3 credits). Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the modern realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. Prerequisite: TA 215-216 or consent of instructor. Fall, Spring semesters. Alternate years.

331 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.

341 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.

342 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.

343 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 Scenic Design (3 credits). Major skills of beginning design. Included will be art techniques for theatre, research in major periods of scenic design, examination of major designers' works, and practical experience in designing for all major types of stages. Prerequisite: TA 117-118. Fall semester.

352 Costume Design (3 credits). Major skills of beginning costume design. Included will be art techniques for theatre; research in major periods of costume design; examination of major costume designers; works, and practical experience in designing for all manner of productions. Prerequisite: TA 117-118. Alternate Spring semester.

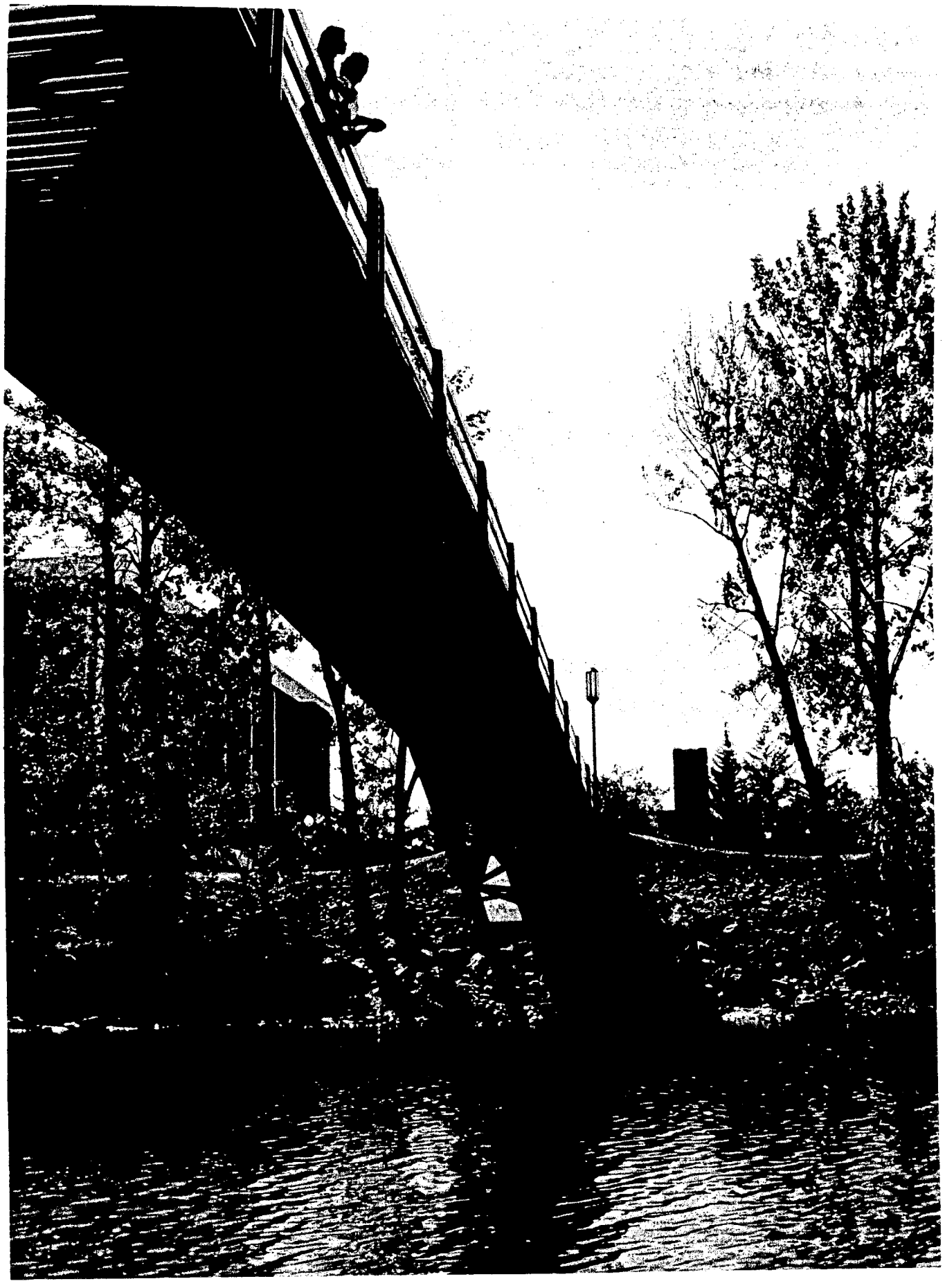
362 Stage Lighting Design (3 hours credit). A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. Prerequisite: TA 117-118. Alternate 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.

421g-422g Theatre History (3 credits). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 B.C. through approximately 1550 A.D.; the second semester from the Elizabethan period through the end of the 19th century. Fall, Spring semesters.

445 Contemporary Drama (3 credits). A study of world drama since 1960 with an emphasis on current research materials and techniques. Alternate spring semesters.

491 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 accompanied by a formally written, fully documented thesis describing his production and the concept involved. Spring semester.



SCHOOL OF BUSINESS

Dean: Thomas E. Stitzel, Ph.D.
Associate Dean and MBA Program Coordinator: J. G. Doss, Ph.D.

DEPARTMENTS AND FACULTY

Department of Accounting and Data Processing:

Chairman and Professor: Dr. Harold M. Nix; *Associate Professors:* Behling, Carson, Gillett, Hemingway, Jackson, Medlin, Merz, Puckett; *Assistant Professors:* Bradley, McMillan, Millier; *Special Lecturer:* Harvey.

Department of Business Education and Office Administration:

Chairman and Professor: Dr. Marvin A. Clark; *Professor:* Cornwell; *Associate Professors:* Bounds, Brender, Johnson, Manship, Williamson; *Assistant Professor:* Warberg; *Instructors:* Butler, Carlton.

Department of Economics:

Chairman and Associate Professor: Dr. Richard D. Payne; *Professors:* Billings, Lamborn; *Associate Professors:* Asmus, Draayer, Holley, Mitchell; *Assistant Professors:* Lichtenstein, Nickless, Sula.

Department of Management and Finance:

Chairman and Associate Professor: Dr. Roger D. Roderick; *Professors:* Phillips, White; *Associate Professors:* Allen, Fitzpatrick, Gardner, Grant, Groebner, Kinslinger, Nix, Shannon, Tipton, Waldorf, Wilterding; *Assistant Professors:* Bohner, Gallup, Lyon, McKinnon, Munson; *Instructor:* Heist.

Department of Marketing and Mid-Management:

Chairman and Professor: Dr. Duston R. Scudder; *Professors:* Godfrey, Knowlton, Young; *Associate Professors:* Adkins, Lane, McWilliams.

School of Business Emeriti:

Albertson, Bushby, Edlefson, 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 capitol city 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 degree and others as developed to meet community needs
(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 pages 23-25 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 10 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 pages 24-25 for BBA requirements, and page 24 for B.A. or B.S. requirements.

School of Business BBA and BS degree candidates are reminded 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	Business Statistics
OA-238	Applied Business Communications
M-105, M-106	Math for Business Decisions, or equivalent

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.

ACCOUNTING MAJOR

Bachelor of Business Administration Program

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
*English Comp	3	3
*Mathematics	4	4
General Electives (Areas I, II, III)	9	9
	16	16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
*Intro to Finance Accounting	3	—
*Intermediate Accounting I	—	3
*Principle of Economics	3	3
Applied Bus Comm	3	—
*Intro to DP	—	3
*Statistical Techniques I	3	—
General Electives (Areas I, II, III)	4	4
Business Law I	—	3
	16	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
**Inter Accounting II and III	3	3
**Cost Accounting	3	—
**Managerial Accounting	—	3
**Intermediate Microeconomics	—	3
**Income Tax	—	3
**Business Law II	—	3
**Basic Mktg Mgt	3	—
**Prin of Finance	3	—
**Prin of Management	3	—
	15	15

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
**Advanced Account	3	—
**Auditing	3	—
**UD Econ Elective	—	3
**Human Resource Management	3	—
**Business Policies	—	3
General Electives	8	11
	17	17

*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.

INFORMATION SCIENCES MAJOR

Bachelor of Business Administration Program

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Mathematics (Area III)	4	4
Intro to Fin. Accounting (AC 205)	3	—
Intermediate Accounting I	—	3
General Electives (Area I, II, or III)	6	6
	16	16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Principles of Economics (Area II)	3	3
Intermediate Accounting II	3	—
Introduction to Data Processing	3	—
Programming Techniques	—	3
Statistical Tech I	3	—
General Electives (Area I, II, or III)	4	4
Applied Bus. Communications	—	3
Business Law I	—	3
	16	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Cost Accounting	3	—
Managerial Accounting	—	3
Statistical Tech II	3	—
Principles of Management	—	3
Principles of Finance	—	3
Programming Systems—COBOL	—	3
General Electives (Area I, II, or III)	6	3
Basic Marketing Management	3	—
	15	15

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Intermediate Microeconomics	3	—
Human Resource Management	—	3
Data Processing Applications	3	—
Quantitative Analysis for Business Decisions	—	3
Systems Analysis	—	3
Business Policies	—	3
Economics Elective	3	—
General Elective (Area I, II, or III)	3	—
Electives*	5	5
	17	17

*Suggested electives for Information Sciences Major; M-226 Assembler Language Programming, EC-405 Business Cycles, DP-420 Systems Analysis and Design, FI-325 Corporate Financial Management, MG-305 Personnel Management, AC-360 Governmental Accounting, AC-405 Auditing.

BUSINESS EDUCATION MAJOR

(Basic Business Option)

Bachelor of Business Administration Program

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Applied Business Communications	3	—
Beginning Typing*	—	2
General Psychology (Area II)	—	3
Business Math/Machines	3	—
Mathematics (Area III)	4	4
Area I Electives	3	3
	16	15

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Intro. Financial Acct	3	—
Intro. Managerial Acct	—	3
Principles of Economics (Area II)	3	3
Area III Elective	—	4
Intermediate Typewriting*	2	—
Foundations of Education	—	3
Statistical Tech I	3	—
Electives (from 2 of 3 areas)	3	—
Business Law I	—	3
Intro. to Data Processing	3	—
	17	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Principles of Income Taxation	—	3
Basic Marketing Management	3	—
Secondary School Methods	—	3
Principles of Management	3	—
Money and Banking	3	—
Principles of Finance	3	—
Technical Writing for Business	—	3
Electives	3	—
Office Management	—	3
Administrative Office Procedures	—	3
Electives (from 2 of 3 areas)	3	—
	18	15

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
U.D. Economics	3	—
Business Policies	3	—
Methods in Business Education	3	—
Business Curriculum and Methods Seminar	—	3
Speech Communication for Teachers (Area II)	—	3
Educational Psychology	3	—
Business Student Teaching	—	6
Electives	4	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. At least two credits of typewriting at the intermediate level or above are required.

BUSINESS EDUCATION MAJOR

(Basic Business Option
with Distributive Education Emphasis)

Bachelor of Business Administration Program

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Applied Business Communication	3	—

Business Math/Machines	—	3
General Psychology (Area II)	3	—
Mathematics (Area III)	4	4
Salesmanship	3	—
Merchandise Analysis	—	3
Principles of Retailing	—	3
	16	16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Introduction Financial Accounting	3	—
Introduction Managerial Accounting	—	3
Principles of Economics (Area II)	3	3
Business Law I	3	—
Retail Buying	3	—
Intermediate or Advanced Typewriting*	2	—
Area III Elective	—	4
Foundations of Education	—	3
Statistical Tech I	—	3
Introduction Data Processing	3	—
	17	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Basic Marketing Management	3	—
Principles of Management	3	—
Principles of Finance	3	—
Secondary School Methods	—	3
Principles and Organization of Vocational Education & Job Analysis	—	3
Money and Banking	—	3
Electives (from 2 of 3 areas)	6	—
	15	15

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Methods in Business Education	3	—
Administration and Coordination of Cooperative Programs	3	—
Speech Communication for Teachers (Area II)	—	3
Educational Psychology	3	—
Business Student Teaching	—	6
Business Curriculum and Methods Seminar	—	3
Methods and Materials in Distributive Education	2	—
Technical Writing for Business	3	—
Business Policies	3	—
Electives	—	4
	17	16

*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.

BUSINESS EDUCATION MAJOR

(Shorthand Option)

Bachelor of Business Administration Program

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
*Beginning and Intermediate Typewriting	2	2
Applied Business Communications	—	3
General Psychology (Area II)	—	3
Business Math/Machines	3	—
Mathematics (Area III)	4	4
Area I Electives	3	—
	15	15

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Principles of Economics (Area II)	3	3
Business Law I	3	—
*Beginning and Intermediate Shorthand	4	4
Foundations of Education	3	—
Statistical Tech I	—	3
Introduction to Data Processing	—	3
	16	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Basic Marketing Management	—	3
Secondary School Methods	—	3
Office Management	—	3
Principles of Management	3	—
Advanced Shorthand	4	—
Administrative Office Procedures	—	3
Principles of Finance	—	3
Electives (from 2 of 3 areas)	10	3
	17	18

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Methods in Business Education	3	—
Business Curriculum and Methods Seminar	—	3
Records Preparation and Management	3	—
Speech Communication for Teachers (Area II)	—	3
Educational Psychology	—	3
Business Student Teaching	—	6
Technical Writing for Business	3	—
Business Policies	3	—
Electives	4	—
	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. At least two credits of typewriting at the Intermediate level or above are required.

ECONOMICS MAJOR

Bachelor of Arts Program

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Mathematics	4	4
History	3	—
Area II Electives (Other than Economics or History)	—	3
Area I Electives (Field One)*	3	—
Area I Electives (Field Two)*	—	3
Electives	3	3
	16	16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Prin. of Economics, Macro	3	—
Prin. of Economics, Micro	—	3
Literature	3	—
Area I Elective (Field Three)*	—	3
Science	—	4
Introduction to Finance Accounting	3	—
Intro to Managerial Acct	—	3
Introduction to Data Processing	3	—
Statistical Techniques I	3	—
Statistical Techniques II	—	3
Electives	2	1
	17	17

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Intermediate Microeconomics	3	—
Intermediate Macroeconomics	—	3
Principles of Finance	3	—
Economics Electives	3	3
Electives**	6	9
	15	15

SENIOR YEAR:	1ST SEM.	2ND SEM.
Econometrics	3	3
Economic Electives	3	3
Electives**	10	10
	16	16

See page 22 for clarification of fields in B.A. degree.
**Electives should be chosen mainly from upper division courses.
***Must include hours in at least two of the three definitive areas as listed on page 22 of the catalog).

ECONOMICS MAJOR

Bachelor of Business Administration Degree

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Mathematics	4	4
Area I Electives	3	3
Area II Electives (Other than economics)	3	3
Elective	3	3
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Prin. of Economics, Macro	3	—
Prin. of Economics, Micro	—	3
Science	3-4	—
Non-Business Elective***	—	2
Introduction to Fin. Acct	3	—
Introduction to Managerial Acct	—	3
Introduction to Data Processing	—	3
Applied Business Communications	—	3
Business Law I	—	3
Statistical Techniques I	3	—
Statistical Techniques II	—	3
Principles of Finance	3	—
Basic Marketing Management	3	—
Principles of Management	3	—
	15-16	20

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Intermediate Microeconomics	3	—
Intermediate Macroeconomics	—	3
Non-Business Elective** ***	6	6
Economics Electives	3	3
	15	15

SENIOR YEAR:	1ST SEM.	2ND SEM.
Econometrics	3	3
Economics Electives	3	3
Human Resource Management	—	3
Business Policies	—	3
Electives	5	4
Non-Business Elective	6	—
	17	16

ECONOMICS—SOCIAL SCIENCE SECONDARY EDUCATION OPTION

Each academic department in the social sciences (History, Political Science, Societal & Urban Studies and Economics) provides a major emphasis with the Social Science Secondary Education Option. To meet graduation requirements students choosing this option must have a minimum of 30 credits in the subject matter of one of the above departments. The student must also choose two minor areas from the remaining social sciences and complete 15 credits in each. For teaching endorsements as a secondary school teacher, an additional 5 credits must be earned in one or more of the minor areas (see page 106 of BSU Bulletin 1978-79).

Graduation requirements for degree in Economics—Social Science Secondary Education Option

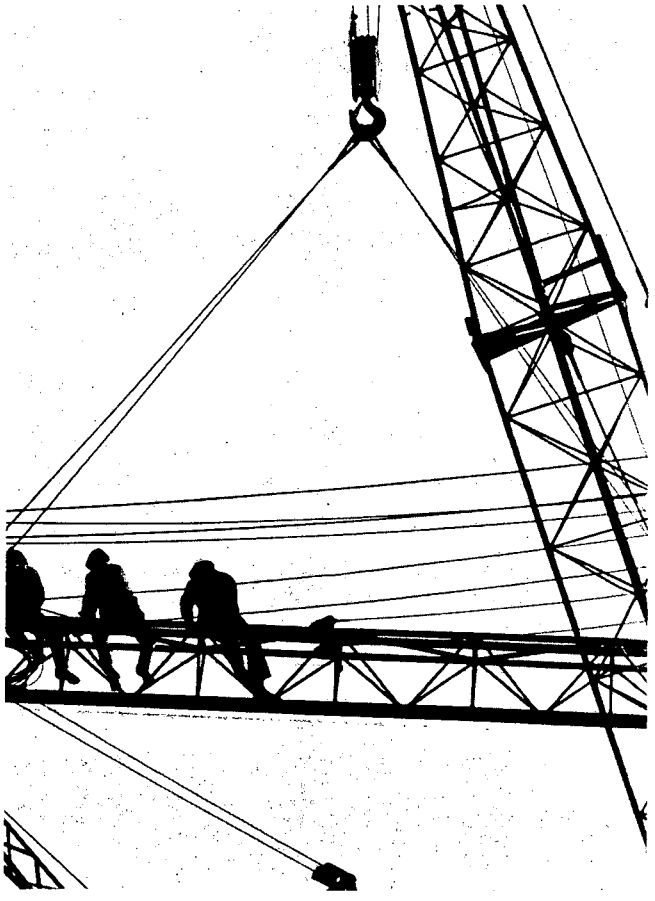
1. General University and Basic Core requirements as listed on page 23 of the BSU Bulletin 1978-79.
2. Two approved teaching minors (15 hours each) from:
   a) History
   b) Political Science
   c) Anthropology
   d) Sociology
   e) Geography
3. Economics courses—30 hours

Required Courses—EC 201, 202, 303 and 305—12 hrs. Other Economics Courses—18 hrs.

4. Accounting—AC 205.
5. Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education—Total of 20 hours.

These include:

TE-201 Foundations of Education—3 credits (Taken in the Sophomore Year)



P-312	Adolescent Psychology or
P-325	Educational Psychology—3 credits
TE-381	Secondary School Methods—3 credits
TE-481	Secondary Student Teaching—6 credits

The additional 5 credits may be selected from classes found on p. 106 of the Bulletin.

Student teaching, TE-481, for Economics and other Social Science majors will be conducted during the **second** 8 weeks of the **first** semester of the student's senior year. During the first 8 weeks of that semester the student may take several of the above required Education courses in a **Concentrated Course Block** (CCB). See p. 107 of the BSU Bulletin. Students should plan to take several of their education courses at this time to ensure the most efficient use of their time.

6. Economics—15 credit hour emphasis

   EC 201 and 202—6 hrs.
   EC 303 and 305—6 hrs.
   Plus any 3 hours of upper division economics electives.

7. Sufficient electives to complete a total of 128 Credit Hours of which 40 must be upper division.

FINANCE MAJOR

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition (E101, E102)	3	3
Fundamentals of Speech Communication (Area II)	3	—
General Psychology (Area II)	—	3
Mathematics (M105, M106)	4	4
Area I Electives	3	3
General Electives (Area I, II, III)	3	3
	16	16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Principles of Economics (201 & 202)	3	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Applied Business Communication	3	—
Introduction to Data Processing	—	3
Statistical Tech. for Decision Making I	3	—
Statistical Tech. for Decision Making II	—	3
Business Law I	—	3
Science Elective (Area III)	4	—
Elective (Area I, II, III)	—	3
	16	18

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Basic Marketing Management	3	—
Principles of Management	3	—
Principles of Finance	3	—
Intermediate Microeconomics	—	3
Money and Banking	3	—
Financial Management I	—	3
*Major Elective	—	3
General Electives (Area I, II, III)	4	4
General Elective	—	3
	16	16

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Management of Financial Institutions	3	—
Senior Seminar in Finance	—	3
Investment Management	3	—
Human Resource Management	3	—
Financial Management II	—	3
Bus. Ethics, and Social Resp.	3	—
Business Policies	—	3
*Major Elective	3	—
General Electives	—	6
	15	15

***Finance Electives**
Intermediate and/or Managerial and Cost Accounting
International Economics
Real Estate Finance
Senior Seminar in Finance

GENERAL BUSINESS MAJOR

The General Business major has the choice of two directions in the pursuit of a Bachelor of Business Administration degree. The student may elect to major in General Business with an option in Public Relations or may elect the General Business major with no area of emphasis. This latter option allows the student to gain additional knowledge in all areas of business without concentrating in any one area.

GENERAL BUSINESS MAJOR
No Option

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Fund. of Speech Communication (Area II)	3	—
Gen. Psychology (Area II)	—	3
Math (Area III)	4	4
Area I Elective	3	3
Area III Elective	—	4
Gen. Elective (Area I, II, III)	3	—
	16	17

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Economics (Area II) (201 & 202)	3	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Applied Bus Communications	3	—
Statistical Tech. for Decision Making I	3	—
Intro. to Data Processing	—	3
Business Law I	—	3
Gen. Elective (Area I, II, III)	4	3
	16	15

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Basic Marketing Management	3	—
Principles of Management	3	—
Intermediate Microeconomics	3	—
Principles of Finance	3	—
Intermediate Macroeconomics	—	3
Cost Accounting	—	3
Human Resource Management	—	3
Statistical Tech. for Decision Making II	—	3
Business Ethics and Social Resp.	3	—
General Electives (Area I, II, III)	3	—
General Electives	1	4
	18	16

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Financial Management I and II	3	3
Govt. & Business	—	3
Decisions Analysis	3	—
Organization Dynamics	—	3
Inter. Marketing Management	—	3
Business Policies	—	3
Gen. Elective (Area I, II, III)	3	—
General Elective	6	—
	15	15

GENERAL BUSINESS MAJOR
Public Relations Option

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Fund. of Speech Communication (Area II)	3	—
Gen. Psych (Area II)	—	3
Math (Area III)	4	4
Area I Elective	3	3
Area III Elective	—	4
Listening	3	—
	16	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Economics (Area II) (201 & 202)	3	3
Introduction to Financial Accting	3	—
Introduction to Managerial Accounting	—	3
Applied Bus. Comm.	3	—
Statistical Tech. for Decision Making I	3	—
Intro. to Data Processing	—	3
Business Law I	—	3
Mass Communication	3	3
	15	15

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Basic Marketing Management	3	—
Prin. of Management	3	—
Intermediate Microeconomics	—	3
Prin. of Finance	3	—
Income and Employment	—	3
Human Resource Management	3	—
Labor Law	—	3
Bus. Ethics, & Soc. Resp.	3	—
Reporting & Newswriting	3	3
General Electives	—	5
	18	17

SENIOR YEAR:	1ST SEM.	2ND SEM.
Govt. and Business	—	3
Amer. Society	3	—
Comparative Econ. Sys.	3	—
Industrial Sociology	3	—
Social Psychology	—	3
Organization Dynamics	—	3
Public Relations	—	3
Business Policies	—	3
General Electives	6	—
	15	15

INDUSTRIAL BUSINESS MAJOR
Bachelor of Business Administration Program
Production Option

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Algebra, Trig., Calculus	5	5
Essentials of Chemistry (w/lab)	4	4
Digital Computer Programming	2	—
Physics I	—	3
Engineering Fundamentals	2	2
	16	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Physics II & III	3	3
Calculus & Anal. Geometry	4	4
Statistical Tech. for Decision Making I	3	—
Statistical Tech. for Decision Making II	—	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Applied Business Communication	3	—
General Psychology	—	3
	16	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Principles of Economics	3	3
Basic Marketing Management	3	—
Introduction to Mechanics	—	3
Fundamentals of Speech Communication	3	—
Quantitative Analysis	—	3
Area I Elective	3	3
Principles of Management	3	—
Business Law I	3	—
Intermediate Microeconomics	—	3
	18	15

SENIOR YEAR:	1ST SEM.	2ND SEM.
Human Resource Management	3	—
Principles of Finance	—	3
Operations Mgmt.	3	—
Cost Accounting	—	3
Decisions Anal.	3	—
Mechanics of Material	—	3
Intermediate Macroeconomics	3	—
Electives*	—	3
Bus. Ethics and Social Resp.	3	—
Business Policies	—	3
	15	15

***Production Option Electives**

Compensation Management
Intro to Electrical Engineering
Fluid Mechanics
Labor Relations
Labor Law
Thermodynamics and Heat Transfer
Mechanics of Materials

INDUSTRIAL BUSINESS MAJOR
Sales Option

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Algebra, Trig., Calculus	5	5
Essentials of Chemistry (w/Lab)	4	4
Engineering Fundamentals	2	2
Fund. of Speech-Communication (Area II)	3	—
Physics I	—	3
	17	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Physics II & III	3	3
Calculus & Anal. Geometry	4	4
General Psychology	—	3
Intro to Financial Accting	3	—
Introduction to Managerial Accounting	—	3
Intro. to Data Processing	3	—
Statistical Tech. for Decision Making I	—	3
Applied Bus. Comm.	3	—
	16	16

SCHOOL OF BUSINESS

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Principles of Economics	3	3
Basic Marketing Management	3	—
Introduction to Mechanics	3	—
Business Law I	—	3
Salesmanship	—	3
Consumer Behavior	—	3
Principles of Management	3	—
Area I Elective	3	3
Principles of Finance	3	—
	18	15

SENIOR YEAR:	1ST SEM.	2ND SEM.
Human Resource Management	3	—
Sales Administration	3	—
Cost Accounting	—	3
Intermediate Microeconomics	3	—
Intermediate Macroeconomics	—	3
Electives	3	6
Business Policies	—	3
Business Ethics and Social Resp.	3	—
	15	15

Sales Option Electives

Intermediate Marketing Management
Advanced Marketing Management
Promotion Management
Applied Market Research
Intro to Electrical Engineering
Thermodynamics and Heat Transfer

MANAGEMENT MAJOR BEHAVIORAL OPTION

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Fundamentals of Speech Communication (Area II)	3	—
General Psych. (Area II)	—	3
Mathematics	4	4
Area I Electives	3	3
Science Elective	—	4
Gen'l Electives (Area I, II, III)	3	—
	16	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Economics (201 & 202)	3	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Applied Business Communications	3	—
Statistical Tech. for Decision Making I	3	—
Intro. to Data Processing	—	3
General Electives (Area I, II or III)	4	3
Business Law I	—	3
	16	15

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Basic Marketing Mgmt.	3	—
Principles of Finance	3	—
Principles of Management	3	—
Intermediate Microeconomics	3	—
Intermediate Macroeconomics	—	3
Bus. Ethics, & Soc. Resp.	3	—
Personnel Administration	—	3
Quant. Analysis	—	3
General Electives (Area I, II, III)	3	3
General Electives	—	4
	18	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Compensation Mgt.	3	—
Consumer Behavior	3	—
Industrial Sociology	3	—
Organization Dynamics	—	3
Social Psychology	—	3
Human Resource Management	3	—
Govt. & Business	—	3
Business Policies	—	3
General Electives	3	3
	15	15

QUANTITATIVE OPTION

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Fundamentals of Speech	3	—
Introduction to Data Processing	—	3
Mathematics	4	4
Applied Business Communications	—	3
Area I electives	3	—
Science elective	—	4
General Electives (Area I, II, III)	3	—
	16	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Economics (201 & 202)	3	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Statistical Tech. for Decision Making I	3	—
Statistical Tech. for Decision Making II	—	3
General Psychology	3	—
General Electives (Area I, II, III)	3	3
Business Law I	—	3
	15	15

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Basic Marketing Management	3	—
Principles of Finance	3	—
Principles of Management	3	—
Intermediate Microeconomics	3	—
Intermediate Macroeconomics	—	3
Cost Accounting	—	3
Quant. Analysis	3	—
Decisions Analysis	—	3
General Elective (Area I, II, III)	3	4
General Electives (DP-320 suggested)	—	3
	18	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Bus. Ethics and Social Resp.	3	—
Organizational Dynamics	—	3
Human Resource Management	3	—
Operations Mgmt.	3	—
Business Policies	—	3
Government and Business	—	3
General Electives (DP-420 suggested)	3	—
General Electives	3	7
	15	16

AVIATION OPTION

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Fundamentals of Speech (Area II)	3	—
General Psychology (Area II)	—	3
Mathematics	4	4
Area I Elective	3	3
Science Elective	—	4
General Electives (Area I, II, III)	3	—
	16	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Economics (201 & 202)	3	3
Financial and Managerial Accounting (205 & 206)	3	3
Applied Business Communications	3	—
Statistical Tech. for Decision Making I	3	—
Introduction to Data Processing	—	3
General Electives (Area I, II, III)	3	4
Business Law I	—	3
	15	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Private Pilot Ground School	3	—
Basic Marketing Management	3	—
Principles of Management	3	—
Principles of Finance	3	—
Intermediate Microeconomics	3	—
Intermediate Macroeconomics	—	3
Principles of Transportation	—	3
Quant. Analysis	—	3
Statistical Tech. for Decision Making II	3	—
General Electives (Area I, II, III)	—	3
General Electives	—	4
	18	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Airport Management	3	—
Airline-Aircargo Management	—	3
Aviation Law	3	—
Bus. Ethics, & Soc. Resp.	3	—
Human Resource Management	—	3
Government & Business	—	3
Business Policies	—	3
General Electives (Area I, II, III)	3	—
General Electives	3	3
	15	15

INDUSTRIAL RELATIONS OPTION

FRESHMAN YEAR	1ST SEM.	2ND SEM.
English Composition (E-101, E-102)	3	3
Fundamentals of Speech (Area II)	3	—
General Psychology (Area II)	—	3
Mathematics (M-105, M-106)	4	4
Area I Electives	3	3
Science Elective	—	4
General Electives (Areas I, II, III)	3	—
	16	17

SOPHOMORE YEAR	1ST SEM.	2ND SEM.
Economics (201 & 202)	3	3
Fundamentals of Accounting	3	3
Applied Business Communications	3	—
Statistical Tech for Decision Mkg. I	3	—
Introduction to Data Processing	—	3
General Electives (Area I, II, and III)	3	3
Business Law I	—	3
	15	15

JUNIOR YEAR	1ST SEM.	2ND SEM.
Basic Marketing Management	3	—
Principles of Management	3	—
Principles of Finance	3	—
Labor Economics	3	—
Intermediate Macroeconomics	—	3
Cost Accounting	—	3
Personnel Administration	—	3
Labor Relations	3	—
General Electives (Area I, II, III)	—	7
	15	16

SENIOR YEAR	1ST SEM.	2ND SEM.
Compensation Management	3	—
Labor Law	3	—
Industrial Sociology	3	—
Organization Dynamics	—	3
Collective Bargaining	—	3
Human Resource Management	3	—
Government & Business	—	3
Business Policies	—	3
General Electives	5	5
	17	17

REAL ESTATE MAJOR

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Fundamentals of Speech Communication (Area II)	3	—
General Psychology (Area II)	—	3
Area I Electives	3	3
Mathematics	4	4
Business Law I	3	—
Fundamentals of Real Estate	—	3
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Science Elective	4	—
Economics (201 & 202)	3	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Intro to Data Processing	—	3
Bus. Communications	3	—
Law of Real Estate	—	3
Statistical Tech. for Decision Making I	3	—
General Electives (Area I, II, III)	—	4
	16	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Intermediate Microeconomics	3	—
Regional Economics	—	3
Basic Marketing Management	3	—
Principles of Management	3	—
Principles of Finance	3	—
Real Estate Finance	—	3
Appraisal of Real Estate	—	3
Business Ethics and Social Resp.	3	—
General Elective (Area I, II, III)	3	3
General Electives	—	4
	18	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
Human Resource Management	3	—
Government and Bus	—	3
Real Estate Investment and Taxation	3	—
Brokerage Management	—	3
Business Policies	—	3
*Major Elective	3	—
Gen'l Electives (Area I, II, III)	3	3
*Gen'l Elective	3	3
	15	15

***Real Estate Electives**
RE 497 Special Topics
Appraisal Income Property
Tax Factors or Principles of Income Taxation
Urban Economics

MARKETING MAJOR
Bachelor of Business Administration Program

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
General Psychology**	—	3
Mathematics	4	4
Area I Electives***	3	3
Electives***	3	3
Fund. Concepts of Speech	3	—
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Principles of Economics	3	3
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Introduction to Sociology**	3	—
Business Law I	3	3
Introduction to Data Processing	—	3
Physical or Biological Science Elective	4	—
Applied Bus. Communications	—	3
Business Statistics	—	3
	16	15

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Basic Marketing Management*	3	—
Intermediate Microeconomics	3	—
UD Economics Elective	—	3
Principles of Finance	3	—
Principles of Management	3	—
Marketing Electives	—	6
Electives***	6	3
Intermediate Marketing Mgmt.	—	3
	18	15

SENIOR YEAR:	1ST SEM.	2ND SEM.
Advanced Marketing Management*	—	3
Marketing Electives	6	—
Human Resource Management	—	3
Business Policies	—	3
Marketing Research	3	—
Electives***	8	6
	17	15

MARKETING CORE (12 hours):

Required for all Marketing Majors
MK-301 Basic Marketing Management
MK-320 Intermediate Marketing Management
MK-415G 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-496 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 II 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. Fundamentals of Speech Communication counts as three of these 16 hours.

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

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Inter & Adv. Typewriting*	2	2
Business Math and Machines	—	3
General Psychology (Area II)	—	3
Mathematics (Area III)	4	4
Area I Elective	3	—
Fund. of Speech Communications	3	—
	15	15

SOPHOMORE YEAR	1ST SEM.	2ND SEM.
Business Law I	3	—
Introduction to Financial Accounting	3	—
Introduction to Managerial Accounting	—	3
Inter. & Adv. Shorthand*	4	4
Word Proc-Machine Transcription	—	2
Area III Elective	—	4
Principles of Economics	3	3
Applied Business Communication	3	—
	16	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Secretarial Transcription	4	—
Basic Marketing Mgmt.	3	—
Intro. Data Processing	—	3
Statistical Tech. for Decision Making I	3	—
Prin. Finance	—	3
Technical Writing for Business	3	—
Electives (from 2 of 3 Areas)	3	9
Principles of Management	—	3
	16	18

SENIOR YEAR:	1ST SEM.	2ND SEM.
Records Preparation and Management	3	—
Administrative Office Procedures	—	3

Office Management	—	3
Human Resource Management	—	3
Business Policies	—	3
U.D. Electives	—	4
Electives (from 2 of 3 areas)	7	—
Intermediate Microeconomics	3	—
U.D. Econ Elective	3	—
	16	16

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.

TWO YEAR PROGRAMS*
FASHION MERCHANDISING**
MID-MANAGEMENT

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Introduction to Business	3	—
Salesmanship	3	—
Clothing	3	—
Business Math/Machines	3	—
Clothing Selection	—	2
Textiles	—	3
Elements of Management	—	3
Introduction to Financial Accounting	—	3
Mid-Management Work Experience	—	2
Elective	2	—
	17	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Consumer Marketing	3	—
Fashion Analysis and Design	2	—
Fund. of Speech Communication	3	—
Retail Buying	3	—
Mid-Management Work Experience	2	2
Report Writing	3	—
Principles of Retailing	—	3
Visual Merchandising	—	3
Supervision of Personnel	—	3
Elective	—	5
	16	16

*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*

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Introduction to Business	3	—
Business Math/Machines	—	3
Salesmanship	3	—
Introduction to Financial Accounting	—	3
Merchandise Analysis	—	3
Mid-Management Work Experience	2	2
Elements of Management	3	—
Fund. of Speech-Communication	3	—
Elective	—	1
	17	15

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Consumer Marketing	3	—
Principles of Retailing	—	3
Principles of Economics	3	—
Visual Merchandising	—	3
Report Writing	3	—
Supervision of Personnel	—	3
Retail Buying	3	—
Credit and Collections	—	2
Mid-Management Work Experience	2	2
Electives	2	3
	16	16

*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.

OFFICE SYSTEMS
Associate of Science Degree

WORD PROCESSING PROGRAM

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Introduction to Business	3	—
Beginning Shorthand*	4	—
Beginning Typing*	2	—
Applied Business Communications	3	—
OA Elective	1	—
Fund. Speech-Communication	—	3
Intermediate Shorthand*	—	4
Intermediate Typing*	—	2
Business Math/Machines	—	3
	16	15

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Introduction to Financial Accounting	3	—
Economics	—	3
Area II Elective	3	—
Advanced Typing	2	—
Records Prep. & Mgmt.	3	—
Editing for Word Processing	1	—
OA Electives	5	—
Admin. Office Procedures	—	3
Word Processing, Mach. Trans	—	2
Word Processing, Mag. Keyboarding	—	1
Electives	—	7
	17	16

*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.

SECRETARIAL PROGRAM

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Introduction to Business	3	—
Beginning Shorthand*	4	—
Beginning Typing*	2	—
Applied Business Communications	3	—
Fund. Speech-Communication	—	3
Intermediate Shorthand*	—	4
Intermediate Typing*	—	2
Business Math/Machines	—	3
Elective	—	2
	15	17

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Intro. to Financial Acct	3	—
Economics	—	3
Advanced Shorthand	4	—
Advanced Typing	2	—
Records Prep. & Management	3	—
Area II Elective	3	—
Secretarial Transcription	—	4
Administrative Office Procedures	—	3
Word Processing, Machine Trans.	—	2
Elective	2	3
	17	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.

COURSES

AC ACCOUNTING

Lower Division

205 Introduction to Financial Accounting (3 credits). (Previously AC 203). 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 by 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 to the extent that the interface between accounting procedures and statement user information aids this understanding process. Each semester.

206 Introduction to Managerial Accounting (3 credits). (Previously AC 204). 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, control of 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 303). 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. Prerequisites: lower division core. Each semester.

320 Tax Factors in Business Decisions (3 credits). A general introduction for students and businessmen who, while not tax specialists, need an awareness of the impact of federal income taxes on business decisions. 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 analyses. 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 F.I.C.A. and Unemployment taxes and an introduction to State income taxes. 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 organized for profit, and an introduction to partnership, trust, and estate and gift taxation. Prerequisites: AC 306 and either AC 320 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. Prerequisites: 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, Transmission, and Display; On-line Systems and Time Sharing. Course identical 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.

440G 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. The computer will be used as the problem solving tool in the three above mentioned areas. Prerequisites: AC 405, lower division core or 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 (6 credits). An indepth 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 405 and AC 470, 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 the FAA Private Pilot examination. An orientation 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 air regulations, flight planning and aircraft performance as required for the FAA commercial pilot examination. Prerequisite: Private Pilot Certificate. Fall semester.

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.

351 Airline and Air Cargo Management (3 credits). The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management.

AV-371 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.

BE BUSINESS EDUCATION

Upper Division

401 Methods in Business Education (3 credits). Methods and materials of 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.

409 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.

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.

441G 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.

443G Administration and Coordination of Cooperative Programs (3 credits). Selection, guidance, placement, and follow-up of 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.

Graduate

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.

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.

520 Curriculum and Instruction in Shorthand, Transcription, and Office Procedures (3 credits). A study of various techniques available for the improvement of instruction in short-

hand, 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.

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 the instructor. Spring semester.

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.

571 Organization and Supervision of Business Education (3 credits). Administrative and supervisory problems in business education especially from the point of view of the teacher. A study of problems of the business teacher beyond those involved in classroom teaching. Areas of study include student services; equipment and supplies; in-service programs; research; program evaluation and development; public and staff relations; and leadership roles. Prerequisite: Graduate Status and consent of the instructor. Fall.

591 Project (3-6 credits).

593 Thesis (3-6 credits). The scholarly pursuit of original work through research. Prerequisites: Admission to candidacy.

596 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.

599 Workshop in Business Education (1-3 credits). Intensive study of a selected topic in business education. May be repeated for a maximum of 3 credits.

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 370 computer system. Each semester.

Upper Division

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 productivity systems, organization systems, and techniques systems. Program flowcharting, development and implementation to solve common business problems will be emphasized. Systems analysis and design activities will be incorporated into class activities. Prerequisite: DP 210 or equivalent. Each semester.

345 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 320 and M 106. Fall semester.

360 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.

405 Data Processing Applications (3 credits). An in-depth study of current business computer applications and the function of data processing in the 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 and computerized information systems. Course identical to AC 420, credit may not be earned for both courses. Prerequisites: DP 210 and AC 205. Spring semester.

EC ECONOMICS

Lower 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. Application of economic analysis and policy to current domestic and 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, and the distribution of income. The 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 economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students that have taken EC 201 and 202.) Prerequisites: None. Either semester.

219 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 through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. Prerequisite: EC 201, 202. Each semester.

303 Intermediate Microeconomics (3 credits). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Areas receiving specific 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.

305 Intermediate Macroeconomics (3 credits). Analysis of the determinants of the level of national income, employment, productivity and the price level. Analysis of the effects of economic policy instruments and decisions on aggregate economic performance goals. Prerequisite: EC 201. Each semester.

310 Public Finance (3 credits). A study of the role and impact of Government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined. 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. Each 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.

315 Comparative Economic Systems (3 credits). A comparative study of the goals and methods of various economic systems, such as capitalism, socialism and communism. The study will be approached from both a theoretical and practical point of view. 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 end 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 theory, 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, locational 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, libertarianism, anarchist 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, EC-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. Goals, objectives and tools of stabilization policy, including techniques of macroeconomic forecasting and modeling. Prerequisite: EC 305.

417 U.S. Economic History (3 credits). This course deals with major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. Prerequisite: EC 201-202 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 421G-422G 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 106 or equivalent and permission of the instructor. May be taken for graduate credit. 421G Fall—422G Spring semester.

FI FINANCE

Lower Division

108 Personal Finance and Investments (3 credits). Aid in meeting the growing complexity of financial decision making as faced by the individual. How to avoid financial entanglements; installment buying, borrowing money, owning or renting a home. Appraisal of savings alternatives and investing in stocks, bonds, and mutual funds. Understanding security markets. Financial planning for personal and estate taxes. Each semester.

211 Principles of Insurance (Previously RE-320) (3 credits). The course offers presentation 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 theoretical and

practical applications. All areas of insurance are covered including life, casualty, liability and medical.

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. Topical areas 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 theoretical analysis of the internal allocation of resources within the business firm and governmental agencies including working capital management and policy, capital budgeting and investment analysis, risk analysis, financial planning and control, etc. Instructional methods will include the analysis of financial cases and financial modeling. Prerequisites: FI 303 and GB 208. 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, social responsibilities of the financial manager, problems of financing the multinational firm and analysis of mergers and acquisitions. Cases and readings are used to complement textual materials. Prerequisites: FI-303, FI-325. Spring semester.

417 Management of Financial Institutions (3 credits). Topics treated in this course include: 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 decision making in banking and other savings 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.

450G Investment Management (3 credits). This course focuses on the setting for investments, stocks, bonds, commodities and stock options; risk vs. return relationships in investing and speculating; of the 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.

498-499 Senior Seminar in Finance (3 credits each). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds on background developed in the regularly scheduled finance courses. The topics offered will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor. These courses enable the student to achieve an indepth knowledge of issues which cannot be treated fully in existing courses. Legislation creating sweeping changes in the financial community, computerized 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, litigation and lawyers. This course is designed to emphasize such specific substantive areas of law as contracts, agency, torts, personal property and antitrust aspects of government 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 Poisson and normal distributions, interval estimates, 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 environment. Typical topics covered include: simple and multiple regression analysis and Bayesian decision theory. Whenever applicable, computer software programs are used to assist in the learning process. 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 secured transactions. Also, the formation, 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. Fall 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 assist the decision maker. Topics typically covered include linear programming and critical path analysis. Prerequisites: GB-207, MG-301.

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. 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 required business core. Each semester.

MG MANAGEMENT

Upper Division

301 Principles of Management (3 credits). This course deals with the history of management, schools of management thought, and the 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. Prerequisite: 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 interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered each term (e.g., O.S.H.A., fair employment regulations, etc.). The role of the personnel department is explored both from 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.

317 Small Business Management (3 credits). A study of the unique and distinct problems encountered by small business organizations. This course covers the topics of locating, 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. Prerequisite: 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 concepts and terminology in 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.

401 Human Resource Management (Previously Human Relations) (3 credits). Utilizing concepts and theories from the behavioral sciences this course covers topics essential to effectively manage human resources. Topics covered include perception, motivation, attitudes, power and leadership. Prerequisite: MG-301. Each semester.

405 Organizational Dynamics (3 credits). This course deals with the development of organizational theory including the following specific areas: organizational structure, bureaucracies, organizational influence processes, politics, power and conflict, 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-305 (Personnel 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 nature of the interactions between the operations manager and the other business systems will be developed. Typical topics include: process design, facilities layout and location, and aggregate planning. Most types of business environments will be considered. Prerequisites: GB-208, GB-366, MG-301.

409 Decisions Analysis (3 credits). This course will emphasize the decisions analysis tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. The emphasis will be on presenting the tools in actual business applications. Prerequisites: GB 208, GB 366, 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 methods of conflict resolution are explored, with an emphasis on the mediation and arbitration processes. 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 mixes 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 with other elements of the marketing mix is emphasized. The economic and social criticism of advertising particularly are stressed to insure that managers are aware of the ethical and social responsibilities inherent in the job. Prerequisite: MK 301. Either semester.

307 Consumer Behavior (3 credits). Analysis of purchase and consumption behavior of the consumer. Relates marketing activities of the firm to social science research concerning

the purchase, use, and meaning of goods and services. Prerequisite: MK 301. Either semester.

320 Intermediate Marketing Management (3 credits). Marketing principles and theories are integrated with analytical and behavioral decision processes. Emphasis is placed on problem and opportunity recognition, marketing strategies, planning and administering marketing programs. Consumer, industrial, institutional, and international markets are considered. Prerequisite: MK 301. Each semester.

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. May be taken for graduate credit. Prerequisites: GB 207, MK 301.

421 Sales Administration (3 credits). Management of a sales organization with particular emphasis on recruiting selection, training, supervision and compensation of salesmen. Emphasis is also placed upon coordinating and integrating activities of the sales administrator with other functional managers comprising the marketing organization. Stress is also placed on ethics and social responsibilities relating to the sales manager's job. Prerequisite: MK 301. Either 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. Prerequisites: MI-301 and MK-405. 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 four semesters 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, wholesaler, and manufacturer establishments, analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques. 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: planning, 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 evaluation of the various marketing institutions 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, selling and other merchandising factors. Preparation of copy, illustrations, layout and display. Guest lecturers from the local Retail Assn. will be used. Fall semester.

206 Supervision of Personnel (3 credits). Economics of supervision, social and philosophical 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, market analysis and fundamentals arising from real estate transactions are covered in the course. This course exceeds the current minimum 30 hour classroom education requirement of the State of Idaho to take the Real Estate Salesman Exam. Each semester.

RE-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

331 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 (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. Prerequisite: RE-201, RE-220 and FI-303.

360 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, lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. Prerequisites: RE 201, RE 220 and FI 303.

370 Real Estate Development (3 credits). The course is designed to examine the many intracacies of the development process. The course will cover the traditional development process including market analysis, feasibility study, land acquisition, zoning, layout and design, design review, financing, construction, occupancy, and sale. In addition, the course concerns itself with the many factors of the planning process and the developer obligation and 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, RE 331.

450 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, RE 331, RE 340, RE 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 useage. 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.

209 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, Machine Transcription (2 credits). A course stressing the operation and knowledge of transcribing machines. 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-209. 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-209. 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. Prerequisites: Grade of C or higher is recommended in OA-238, OA-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). (Previously OA 328—Business Communications) 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 duplicating 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

309 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.

310 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.

Graduate

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.

GRADUATE PROGRAMS IN BUSINESS
MBA IN BUSINESS
MASTER OF BUSINESS ADMINISTRATION

OBJECTIVES

The purpose of the Boise State University Program leading to the MBA Degree is to further prepare the candidate for a career in business management. The curriculum is keyed to the needs of an individual who has just assumed or is preparing to assume broad managerial responsibilities.

The MBA curriculum at Boise State emphasizes the traditional MBA approach of development of managerial generalists, with a common body of functional knowledge given to all students. There is no area of emphasis or major available, but once a student satisfies the functional core of courses, free electives to achieve a minor degree of concentration are possible.

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 courses in basic fields of business administration. Students presenting a bachelor's degree in business normally will have completed most of these requirements as part of their undergraduate program. The Master of Business Administration program is also designed to serve the student who has completed his bachelor's degree in non-business fields such as the sciences, engineering, and the liberal arts. Therefore, the student must demonstrate proficiency in the prerequisite courses listed below. 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.

MATRICULATION REQUIREMENTS FOR APPLICANTS
SPECIFIC PREREQUISITES FOR APPLICANTS

All applicants must meet the following undergraduate requirements or must fulfill these requirements *prior* to enrollment in MBA classes. (New applicants for the MBA program 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) Prerequisite courses or their equivalent:

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)
9. Business Statistics

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in MBA 500 level courses. Enrollment in BMA courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse, from these MBA 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 MBA degree.

THE MBA DEGREE
THE GRADUATE DEGREE PROGRAM

The Master of Business Administration degree consists of a minimum of 30 semester hours of credit from the offerings listed on the following pages of other graduate courses suitable to an MBA degree, as accepted by the MBA Admissions Committee.

Required Core Courses ..... 21 or 24 credits
Electives ..... 9 or 6 credits

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.

A maximum of 9 graduate credits may be accepted from other graduate schools upon request and a determination of acceptability to the MBA program. Students desiring transfer credits must apply on the Program Development Form with appropriate supporting documents and transcripts to the MBA Admissions Committee, School of Business.

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 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 one of these two.

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. Selection and development of alternatives, formulation of strategies, and implementation 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, capital structure planning, dividend policy, bond refunding problems, short- and long-term financing requirements, mergers and acquisitions, social responsibility of financial executives, and financial problems of multinational firms. Prerequisite: 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 profit planning and analysis, cost analysis for pricing, and capital budgeting. Overall objective is an understanding of improved techniques of cost planning and control.

MG-540 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-550 Managerial Economics (3 credits). Application of economic concepts and methodology to the problem of formulating rational managerial decisions. Emphasis is given to optimizing techniques, risk analysis, estimation of demand and costs of production, market structures and pricing practices. Integrates economic theory and business administration practice. Prerequisite: GB-512 or GB-514.

GB-579 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 and flow of all goods and services in organizations. This course is designed as a general capstone experience and MBA students are expected to be 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 explored.

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 Informal Systems

EC-582 Selected Topics Economics

FI-583 Selected Topics Finance

MG-584 Selected Topics Industrial Psychology

MG-585 Selected Topics Management

MK-586 Selected Topics Marketing

590 Internship Available on a selective, limited basis. MBA students should consult with advisors.

596 Directed Research (variable credits). Involves special projects undertaken by the MBA student, consisting of individual work suited to the needs and interests of the student. The course embodies research, discussions of the subject matter and procedures with a designated professor, and a documented paper covering the subject.

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
(Two may be taken for graduate credit.)

AC-440G 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 study 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-450G 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.

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.

Admission 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).

CREDITS

1. Secondary Education Core Courses (see page 102 Teacher Ed.) 6
2. Business Courses ..... 12 credits chosen from:
   - a. Business Education:
     - (1) BE-511 Graduate Study in Business Education (required) 3
     - (2) BE-520 Curriculum and Instruction in Shorthand, Transcription, & Office Procedures 3
     - (3) BE-530 Curriculum and Instruction in Typewriting, Bookkeeping-Accounting, and Data Processing 3
     - (4) BE-540 Curriculum and Instruction in Basic Business and Economics 3
     - (5) BE-571 Organization and Supervision of Business Education 3
     - (6) BE-596 Directed Research ..... variable credits
     - (7) BE-599 Workshop in Business Education 1-3
     - (8) OA-501 Office Systems and Procedures 3
     - (9) BE-441G Principles and Organization of Vocational Education Programs 3
     - (10) B- 443G Administration and Coordina-

tion of Cooperative Programs 3
b. Business Administration . . . Minimum of 6 credits required chosen from MBA courses and/or "G" courses offered by Departments of Accounting and Data Processing, Management and Finance, Marketing and Mid-Management, Economics, and Mathematics.
3. Free Electives 9
4. Option of:
a. Thesis—BE 593 3-6
b. Project—BE 591 3-6
c. Additional course work 3-6
5. Any approved 400-level "G" courses limited to 6 credits.

Course Offerings

A. Required Courses
1. TE-560 Secondary Education Core Courses 6
2. BE-511 Graduate Study in Business Education 3
3. BE-593 Thesis or BE 591 Project 3-6
The Department recommends a thesis or project. However, the option of additional hours in Business Education is available upon approval of the Committee Chairman.

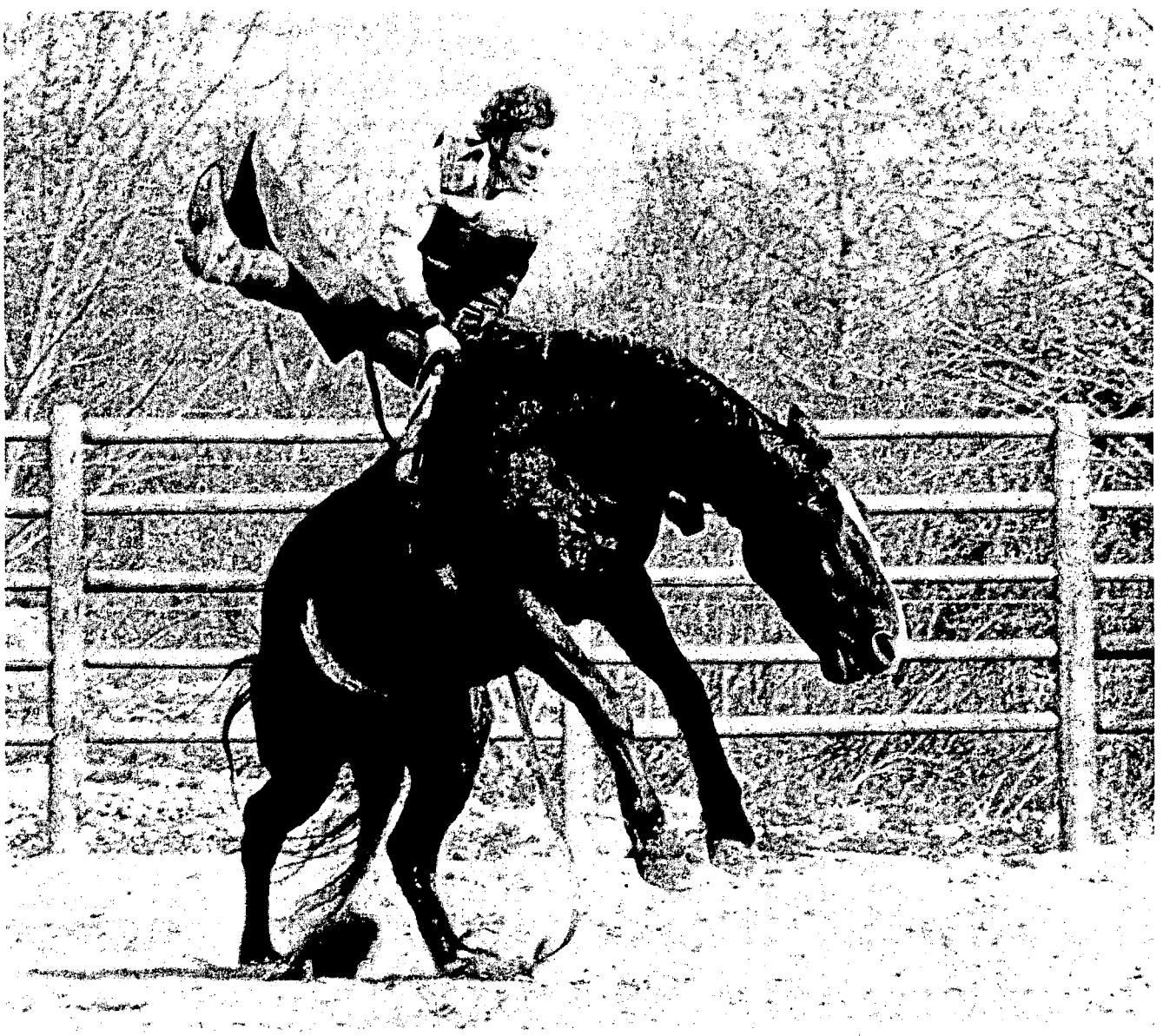
B. Elective Courses
Additional courses as selected by the student and his graduate committee to meet program requirements.

Additional Information

A. Culminating Activity and Examination.
Students electing a thesis as a culminating activity will take oral examination covering the thesis.
Students electing additional course work will take a writt and/or oral examination covering course work completed their degree program.

B. While any Master of Business Administration course may used in the requirement outline in 2.b. above, the following a considered to be courses most likely to be chosen:
GB-510 Business and its Environment
BE-512 Business Research and Communications
MK-520 Marketing Management Concepts
AC-532 Accounting-Planning and Control
MG-541 Human Resources Management
EC-550 Managerial Economics

For additional details contact Department Chairman, Depa ment of Business Education and Office Administration—(208) 3 3451.



PART VI

SCHOOL OF EDUCATION

Dean:
Associate Dean: Clyde Martin, Ed.D.

DEPARTMENTS AND FACULTY

CENTER FOR COUNSELING, GUIDANCE AND TESTING:

Director and Professor: Dr. David P. Torbet; *Associate Professors:* Callao, Nelson; *Assistant Professor:* Downs.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION:

Chairman and Professor: Dr. Gene Cooper; *Professor:* Smith; *Associate Professors:* B. Bowman, S. Button, R. Lewis; *Assistant Professors:* P. Bowman, J. Boyles, D. Connor, P. Holman, E. Jacoby, B. Jones, C. Sweeney, C. Thorngren, R. Vaughn, S. Wallace, M. Young; *Instructors:* Fahleson, G. Craner.

DEPARTMENT OF PSYCHOLOGY:

Chairman and Professor: Dr. John L. Phillips, Jr.; *Professors:* Barshess, Ison, Sickles, Smith; *Associate Professors:* Dodson, Snow, Steger, Thurber, Wilkinson.

DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE:

Chairman and Professor: Dr. John Jensen; *Coordinator of Field Services:* Dr. Ramlaykha Singh; *Professors:* Beitia, Bieter, Bullington, Dahlberg, Frederick, Kirtland, Marks, Ruyle, Tucker, Young: *Associate Professors:* Bowman, Comba, Friedli, Hill, Lambert, Martin, Reed; *Assistant Professors:* French, Green, Sadler, Schmaljohn, Waite, Walker; *Instructor:* Munns.

READING EDUCATION CENTER:

Director: Dr. William Kirtland
Marks, Frederick, Munns

EDUCATIONAL TELEVISION:

Mr. Jack Schlaefle, *Director and Assistant Professor*

The School of Education offers majors in Elementary Education; Physical Education for Men, Secondary Education; Physical Education for Women, Secondary Education Option, and Psychology, Liberal Arts Option. It offers course work of both professional and aca-

demic nature to students in these and in other major curricula throughout the University. The academic course work is designed to develop ability in and appreciation of scientific thinking about behavior. Professional training is directed primarily toward the mastery of skills that are needed by teachers in the elementary and secondary schools.

TEACHER EDUCATION

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.

Teacher Education programs at Boise State University are interdisciplinary 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 controlling 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.

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 Boise State University and the certification 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 Department of Teacher Education Field Services by the following deadlines:
   1. Blocks I & II (Secondary) March 1 of the Junior Year Elementary (Fall/Spring)
   2. Blocks III & IV (Secondary) October 1 of the Senior Year Elementary (Spring/Fall)
   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 the School of Education
      b. Recommendation by the faculty advisor or department chairman.
      c. A cumulative grade point average of 2.25.
      d. Elementary Curriculum and Methods, TE-451 and TE-452 taken concurrently with student teaching.
      e. Student teachers assigned to a school for ½ day during two semesters.
         NOTE: Deviations from the above policies must be approved by the chairman of the Department of Teacher Education and Library Science. In reference to "e," all student teachers must be taking TE-451 (Language Arts emphasis) concurrently with student teaching or prior to student teaching.
      f. Senior standing
   2. **Secondary Option**
      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 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 class Secondary School Methods, and/or the appropriate class or classes in special methods for the teaching area.
         NOTE: A listing of Secondary Methods and special methods classes is given according to the Concentrated Course Blocks under Secondary Student Teaching. Students are encouraged to complete both Secondary and special methods prior to students teaching.
      g. Senior standing.
      h. Sufficient credit hours in the assigned teaching area.
         NOTE: Secondary certification requires a composite of 45 semester credit hours in a major teaching field or 30 semester credit hours in the major teaching field and 20 semester credit hours in a minor teaching field. Hence, student teachers should be within approximately six hours of the above certification requirements.

C. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars

and conferences with their university supervisors.

D. Students who transfer to Boise State University must meet admission requirements for School of Education and student teaching and complete at least 6-9 semester hours at the institution before being placed in student teaching.

E. Student Teaching can only be taken once. (Refer to PART II ACADEMIC INFORMATION-Academic Regulations)

ELEMENTARY EDUCATION

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the Chairman of the Department of Teacher Education and consisting of general and professional education courses.

Requirements for the Bachelor of Arts in Elementary Education:

A. **General University Requirements**
1. English Composition (E-101-102) .....3 or 6 semester cr.
Note: E-101 may be exempt.

B. **Area I Requirements** 13
1. Literature (to include American Literature E 270).....7
2. Second Field (elective) note: may be in performance field.....3
3. Third Field (elective).....3
Note: Choose second and third field electives from Art, Humanities, Music, Philosophy or Theatre Arts.

C. **Area II Requirements**.....12
1. History (United States History) HY-151, HY-152, HY-251, HY-252 3
2. Second Field (Geography GG-101).....3
3. Third Field (Oral Communication elective).....3
4. Area II field (Psychology P-101) 3
Note: Elementary Education majors to complete a course in U.S. History, GG-101 (Introduction to Geography), and a course in Oral Communication

D. **Area III Requirements**.....12
1. A year's sequence chosen from:
Biological Sciences (B-101, 102)
Physical Science (PH-101, 102)
With additional credits from a field other than that chosen to satisfy sequence requirements,
or
2. Any three of the following courses:
Biology (B-100)
Chemistry (C-100)
Geology (GO-100)
Mathematics (M-100)
Physical Science (PS-100)
Physics (Astronomy PH-105)
Note: Elementary Education majors must have courses in both biological science and physical science.

E. **Professional Education Requirements**
1. **100 Level**
a. TE 171 Early School Experience 1
b. M 103-104 Modern Mathematics for Elementary Teachers 6
c. MU 101 Music Fundamentals.....2
2. **200 Level**
a. TE 201 Foundations of Education 3
b. TE 205 Approaches to Reading 3
c. TE 271 Teacher Aide Practicum.....2
d. TE 291 Education and Psychological Implications for the Exceptional Child in the School 3
3. **300 Level**
a. MU 371 Music Methods for the Elementary School Teacher 2
b. AR 321 Elementary School Art Methods.....3
c. PE 361 Elementary School Physical Ed 3
d. LS 316 Children's Literature 3
e. P-325 Educational Psychology 3
4. **400 Level**
a. TE 451 Elementary Curriculum and Methods I 5
b. TE 452 Elementary Curriculum and Methods II 5
c. P 311 Child Psychology 3
d. TE 410 Elementary School Media I.....1
e. TE 411 Elementary School Media II 1
f. TE 471 Elementary Student Teaching.....5
g. TE 472 Elementary Student Teaching or 5
TE 473 Student Teaching in Special Education
h. TE 498 Senior Seminar—Elementary Education.....2
i. TE 499 Senior Seminar—Elementary Education.....2

BACHELOR OF ARTS

(Suggested Program)

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
E 101 English Composition	3	—
E 102 English Composition	—	3
B 100 Concepts of Biology	4	—
Physical Science (C-100, GO-100, PS-100 or PH-105)	—	4
TE 171 Early School Experience	—	1
P 101 General Psychology	3	—
M 103, M-104 Mod. Math for Elem. Teachers	3	3
GG 101 Introduction to Geography	—	3
MU 101 Music Fundamentals	—	2
Elective. Area I Requirement	3	—
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
E 270 Survey of American Literature	4	—
TE 201 Foundations of Education	3	—
HY 151 United States History	—	3
TE 205 Approaches to Reading	—	3
TE 271 Teacher Aide Practicum	—	2
TE 291 Educ. and Psych. Implic. of the Exceptional Child	3	—
Electives (Include Area III requirements)	6	8
	16	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
AR 321 Elementary School Art Methods	—	3
MU 371 Music Methods for the Elem. School Teacher	2	—
PE 361 Elementary School Physical Ed	—	2
P 325 Educational Psychology	3	—
LS 316 Children's Literature	—	3
Class in Oral Communication	3	—
Electives (consider elementary specialty)	8	8
	16	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
P 311 Child Psychology	3	—
TE 410 Elementary School Media I	1	—
TE 411 Elementary School Media II	—	1
TE 451 Elementary Curriculum and Methods	5	—
TE 452 Elementary Curriculum and Methods	—	5

TE 471 Elementary Student Teaching	5	—
TE 472 Elementary Student Teaching or TE-473 Student Teaching Special Ed	—	5
TE 498 Senior Seminar Elementary Education	2	—
TE 499 Senior Seminar Elementary Education	—	2
Elective	—	3
	16	16

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.

SECONDARY EDUCATION

The Department of Teacher Education serves as consultant in the establishment of "secondary education options" within each of several subject-matter areas. (See the *Secondary Certification Options* in the School of Business; the School of Arts and Sciences; and the Physical Education Department in the School of Education.) The Department of Teacher Education does not offer degrees "in secondary education."

Students preparing to teach in junior or senior high school should major in the subject-matter fields in which they plan to teach. Each student must complete the required professional education courses and the necessary subject matter major under the direction of an advisor in his major department.

CERTIFICATION REQUIREMENTS FOR SECONDARY EDUCATION

Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of a 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 the 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.

Idaho requires a total 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 requirements are translated into the following *required* Boise State University courses:

TE-201	Foundations of Education	3 credits
P-312	Adolescent Psychology *or*	
P-325	Educational Psychology	3 credits
TE-381	Secondary School Methods	3 credits
TE-481	Secondary Student Teaching	6 credits
	Total	15 credits

In addition to these required courses, a student may choose from the following courses (if they are appropriate to his teaching field) to complete the *required twenty semester credit hours.*

(A student may wish to take more than the minimum twenty credit hours.)

P	312	Adolescent Psychology	3 credits
P	325	Educational Psychology	3 credits
TE	356	Production of Audio-Visual Materials	2 credits
TE	371	Techniques in Student Motivation and Classroom Management	3 credits
AR	351	Secondary School Art Methods	3 credits
BE	401	Methods in Business Education	3 credits
BE	421	Business Curriculum and Problems	3 credits
CM	311	Speech Communication for Teachers	3 credits
CM	401	Methods of Teaching Comm	3 credits
GS	305	Teaching Science in the Secondary School	3 credits
E	301	Teaching English Comp	3 credits
E	381	Methods of Teaching Secondary School English	3 credits
FL	310	Methods of Teaching Foreign Lang	3 credits
HY	211	Methods of Teaching History	3 credits
M	490	Mathematics in Secondary Schools	3 credits
MU	257	String Instrumental Techniques and Methods	2 credits
MU	266	Woodwind Instrumental Techniques and Methods	2 credits
MU	368	Percussion Techniques and Methods	2 credits
MU	369	Brass Instrumental Techniques and Methods	2 credits
MU	371	Public School Music	2 credits
MU	385	Choral Methods and Materials	2 credits
PE	304	Methods for Teaching Physical Education	2 credits

Each certified secondary school teacher must complete one of the following options:

(1) A major teaching field of *at least 30 semester credit hours, and a minor teaching field of at least 20 semester credit hours.*

(OR)

(2) A single teaching field of *at least 45 semester credit hours.*

Following is a list of some of the teaching areas for which Idaho endorses certificates, regardless if the area is a major or a minor teaching field. Included in the teaching fields listed below is the specifically required minimum course content for each field. (Reproduced from the Idaho SDE pamphlet published 1974).

English

Not less than six semester credit hours in composition and not less than six semester credit hours in American and English Literature. The remainder may be distributed in the related fields of speech, drama, and journalism.

Speech-Drama

Credits spread over both fields with not less than six semester credit hours in each. For separate endorsement in speech or drama, not less than fifteen semester credit hours in the field to be endorsed.

Journalism

Not less than fifteen semester credit hours in journalism and the remainder, if any, to be chosen from English.

Social Studies

Not less than six semester credit hours in American History and not less than three semester credit hours in American Government.

In addition, work in two of the following fields to be represented: world history, geography, sociology, economics, and anthropology.

American Government

Not less than six semester credit hours in American Government, six semester credit hours in American History and three semester credit hours of comparative government.

American History

Not less than nine semester credit hours in American History and not less than three semester credit hours in American Government. The remaining work is to be in history and political science.

Biological Science

Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

Physical Science

At least eight semester credit hours in chemistry and eight semester credit hours in physics.

General Science

Credits to include work in each of the following fields: physical, biological and earth science.

Mathematics

Credits to include work in algebra, geometry and trigonometry.

Physical Education

Credits distributed to include work in anatomy or physiology and health education.

Secretarial Science

Six semester credit hours in shorthand and at least one course in intermediate or advanced typewriting. The other credits are to be distributed in business courses which ensure knowledge of office machines, business and office practices and procedures.

Bookkeeping

Credits in business subjects, including at least one course in intermediate or advanced typewriting and not less than six semester credit hours of accounting with additional work in business law and business administration.

Business Education

Credits to include work in each of the following fields: typewriting, shorthand, accounting and office machines. Additional work may be selected from business law, business administration, retail merchandising, economics and office procedures.

Driver Education

An Idaho Driver Education teacher shall:

Have four semester credit hours which shall consist of not less than two semester credit hours in basic driver education for teachers and followed by not less than two semester hours in courses such as the following:

Advanced driver education, general safety education, traffic engineering, driving simulator education, and highway transportation.

Have three years of satisfactory driving experience immediately preceding the time of teaching, as evidenced by the State Department of Law Enforcement, Traffic Safety Division.

This change given above was effective for all teachers of driver education in the State of Idaho on September 1, 1968.

Music

Credits to include work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), History and Appreciation, Conducting, and music methods and materials.

Arts and Crafts

Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastic, the graphic arts and art metal.

Foreign Languages

Credits must be in the language in which an endorsement is sought.

SECONDARY STUDENT TEACHING

Secondary Education Student Teaching for 1978-79—
Student teaching will be offered in 4 blocks of nine weeks each, all day. The first nine weeks will accommodate physical education majors, summer school candidates, transfers from other institutions and, if necessary, those who will graduate in December. The second nine weeks block will be reserved for history and social science majors, mathematics majors, and, if necessary, for students who will graduate in December. Business Education, English, and Music majors will teach the third nine weeks block (first nine weeks of second semester); the fourth block of nine weeks will service all science, art, speech and drama, and foreign language majors for the student teaching assignment. Permission for any deviation to the above placement of major fields must be granted by the Chairman of the Department of Teacher Education.

NOTE: The Department of Teacher Education has under consideration a plan to move to a semester long student teaching program beginning the fall of 1979.

Concentrated Course Blocks and Student Teaching 1978-79—
The student will take a group of subjects (6-9 semester hours) during the balance of the semester, complementing the assigned student teaching block.

Scheduling by Departments

Art
Student Teaching No. 4 (6 credits) CCB No. 3
CCB Choices: (8-9 credits)
- Production of Audio-Visual Materials, TE 356 (2)
- Educational Psychology, P 325 (3)
- Secondary School Methods, TE 381 (3)

Business
Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices: (8-9 credits)
- Production of Audio-Visual Materials, TE 356 (2)
- Speech Communication for Teachers, CM 311 (3)
- Business Curriculum and Problems, BE 421 (3)
- Secondary School Methods, TE 381 (3)
- Note: BE 401 Methods in Business Education (3) is to be taken the semester preceding student teaching.

Communications (Speech)
Student Teaching No. 4 (6 credits)
CCB No. 3
CCB Choices:
- Production of Audio-Visual Materials, TE 356 (2)
- Secondary School Methods, TE 381 (3)

English
Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices:
- Production of Audio-Visual Materials, TE 356 (2)
- Speech Communication for Teachers, CM 311 (3)
- Secondary School Methods, TE 381 (3)
- Note: E 318 Methods of Teaching Secondary School English (3) is to be taken the semester preceding student teaching.

Foreign Languages
Student Teaching No. 4 (6 credits) CCB No. 3
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
Educational Psychology, P 325 (3)
Methods of Teaching Foreign Language, FL 310 (3)
Secondary School Methods, TE 381 (3)

History
Student Teaching No. 2 (6 credits) CCB No. 1
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
Educational Psychology, P 325 (3)
Speech Communication for Teachers, CM 311 (3)
Secondary School Methods, TE 381 (3)
History—Civil War and Reconstruction, HY 354

Mathematics
Student Teaching No. 2 (6 credits) CCB No. 1
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
Educational Psychology, P 325 (3)
Speech Communication for Teachers, CM 311 (3)
Secondary School Methods, TE 381 (3)
Foundations of Geometry, M 311 (3)
Mathematics in Secondary Schools, M 490 (3)

Music
Student Teaching No. 3 (6 credits) CCB No. 4
CCB Choices:
Production of Audio-Visual Materials, TE 356 (2)
Secondary School Methods, TE 381 (3)
(Music courses to be arranged)

Physical Education
Student Teaching No. 1 (6 credits) CCB No. 2
CCB Choices (8-9 credits)
Production of Audio-Visual Materials
TE 356 (2)
Techniques and Methods of Coaching
Women's Gymnastics (Co-ed) PE 336 (2)
Psychology of Activity, PE 401 (3)
Organization and Administration
of Interscholastic Athletics
(Co-ed) PE 430 (2)
NOTE: Secondary School Methods TE 381 (3)
is to be taken the semester preceding
student teaching.

Sciences
Student Teaching No. 4 (6 credits) CCB No. 3
CCB Choices: (8 credits)
Production of Audio-Visual Materials, TE-356 (2)
Educational Psychology, P-325 (3)
Secondary School Methods, TE-381 (3)

Social Science
Student Teaching No. 2 (6 credits) CCB No. 1
CCB Choices: (8-9 credits)
Production of Audio-Visual Materials TE 356 (2)
Educational Psychology, P-325 (3)
Speech Communication for Teachers, CM-311 (3)
Secondary School Methods, TE-381 (3)
History—The National Era, 1815-1848, HY-353 (3)

Placement

A Teacher Placement Service is maintained by the University Placement Office, which is administered by the Dean of Student Personnel Services.

Center for Counseling, Guidance, and Testing

The Center provides special services for students with problems in educational, vocational and personal areas. The Center is especially designed for students with specific reading problems. Other services include professional testing and counseling.

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.

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-465 Creating Materials in Early Childhood Education. 3 credits.
5. Student 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-359 Precep. 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.
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 Teaching Minor

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 of the area, who are unable to afford graduate library schools:

Introduction to Use of Libraries 2
*Library Organization and Administration 3
*Reference and Bibliography 3
*Basic Book Selection 3
*Cataloging and Classification 3
**Children's Literature 3
Audio Visual Aids in Education 2
Literature for the Adolescent 3

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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 or 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 Teaching Aide Practicum 2
   c. TE-291 Education & Psychological Implications for the Excep. Child in School 3
   d. TE-371 Techniques in Student Motivation & Clsrm. Mgmt. 3
   e. TE-430 Diagnosis of the Mildly/Moderately Handicapped 3
   f. TE-431 Remediation of Mildly/Moderately Handicapped 3
   g. TE-440 Instructional Materials for Excep. Child 3
   h. TE-473 Elem. Stud. Teaching in Spec. Ed. (L.D.) Clsrm. 5
   i. TE-499 Senior Seminar in Elem./Sp. Ed. 2
   j. PE-359 Precep. Motor Prog's. for Kindergarten & Sp. Ed. 2
2. Elective Courses (minimum 3)
   a. TE-358 Corrective Reading in the Elem. School 3
   b. TE-450G Behavior Intervention Tech. 3
   c. TE-462 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

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 Educational & Psych. Implica. for Excep. Child 3
   d. TE-371 Techniques in Student Motivation & Clsrm. Mgmt. 3
   e. TE-422 Curriculum for Moderately & Severely Handi. 3
   f. TE423G Teaching the Moderately & Severely Handicapped 3
   g. TE-473 Stu. Teach in Spec. Ed. (M.R.) Classroom 5
   h. TE-499 Senior Seminar in Sp.Ed. 2
   i. PE-359 Precep. Motor Prog's. for Kindergarten and Special Education 2
2. Elective Courses (minimum 6 credits)
   a. TE-440 Instructional Materials for Excep. Child 3
   b. TE-450G Behavior Inter. Tech. 3
   c. TE-462 Curric. 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

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

PHYSICAL EDUCATION
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, Athletic Training, Physical Education for the Exceptional Child, and Pre-Physical Therapy. Students who complete the major program in one of the options, except Pre-Physical Therapy, are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho. The Pre-Physical Therapy option is designed for those students who are interested in pursuing a physical therapy degree that does not require teacher certification. Physical Education Minors are offered in Elementary Physical Education and Athletic Coaching.

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 program offered by the department and the recreation programs offered by the Student Union games area.

Elective Physical Education Activity Program:

EIGHT SEMESTER HOURS OF PHYSICAL EDUCATION ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

The elective physical education program at Boise State University has been designed with the needs of the student in mind. Emphasis is placed on instruction to meet the following objectives:

1. To develop the physical capacities that comprise the biological bases for physical fitness.
2. To improve skills in basic body mechanics, team and individual sports, and in rhythmic and creative activities.
3. To develop an understanding of self through movement experiences.
4. To acquire knowledge and understanding of the rules, courtesies, customs, strategies, and techniques of several sports.
5. To improve social competency and emotional stability through participation in sports activities.

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)

ELECTIVE ACTIVITIES ARE:

Dance:
- International Folk Dance*
- Modern Dance*
- Recreational Dance
- Social Dance

Individual Sports:
- Archery*
- Badminton*
- Billiards
- Bowling*
- Fencing*
- Golf*
- Gymnastics*
- Handball & Court Games*
- Skiing
- Tennis*

Martial Arts:
- Defensive Tactics
- Judo*
- Karate*
- Self Defense*

Outdoor Recreational Activities:
- Backpacking & Camping
- Fly Casting & Fly Tieing
- 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*
- Touch Football
- Rugby
- Soccer*
- Softball
- Team Handball
- Track & Field
- Volleyball*

Water Activities:
- Kayak & Canoeing
- 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.

REQUIREMENTS FOR 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 23) 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 (pages 105-108). Students selecting the Pre-physical Therapy option need not fulfill this option.
3. The requirements of the Physical Education Department:
   (a) The 28 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)

PE 100	Health Education	3 Credits
PE 101	Introduction to Physical Education	1 Credit
PE 105	First Aid	2 Credits
PE 113	Basic Movement	1 Credit
PE 115	Gymnastics	1 Credit
PE 117	Field Sports	1 Credit
PE 141	Swimming	1 Credit
PE 149	Resistance Training and Conditioning Procedures	1 Credit
PE 202	Principles of Physical Education	2 Credits
PE 230	Anatomical Kinesiology	2 Credits
PE 304	Methods for Teaching Physical Education	2 Credits
PE 309	Evaluation in Physical Education	3 Credits
PE 310	Physiological Kinesiology	2 Credits
PE 401	Psychology of Activity	3 Credits
PE 457	Organization and Administration of Physical Education	3 Credits
	TOTAL CORE REQUIREMENTS:	28 Credits

ATHLETIC TRAINER OPTION GRADUATION REQUIREMENTS

(Satisfies Educational Requirements for N.A.T.A. Certification)

GENERAL COLLEGE REQUIREMENTS
- English Composition ..... 3-6 Credits

AREA I
- Electives ..... 12 Credits

AREA II
- P 101 General Psychology ..... 3 Credits
- CM 111 Fundamentals of Speech Communication
  or
- CM 311 Speech Communication for Teachers ..... 3 Credits
- Electives ..... 6 Credits

AREA III
- C 103 Preparation for College Chemistry ..... 1 Credit
- C 107-C 109 Essentials of Chemistry ..... 6 Credits
- C 108-C 110 Chemistry Laboratory ..... 3 Credits
- Z 111-Z 112 Human Anatomy and Physiology ..... 8 Credits

AREA II and/or AREA III
Electives ..... 3-4 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ..... 28 Credits
HE 207 Nutrition ..... 3 Credits
Additional Physical Education Courses Required
PE 228, PE 305, PE 311, PE 402, PE 451,
PE 493 (6 cr.), Coaching Methods (4 cr.) ..... 22 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 325 or P 312 ..... 15 Credits
Electives ..... 3 Credits

Additional Electives ..... 6 Credits

Total 128 Credits

SECONDARY PHYSICAL EDUCATION OPTION GRADUATION REQUIREMENTS

GENERAL COLLEGE REQUIREMENTS
English Composition ..... 3-6 Credits

AREA I Requirements
Electives ..... 12 Credits

AREA II
P 101 General Psychology ..... 3 Credits
CM 111 Fundamentals of Speech Communication
or
CM 311 Speech Communication for Teachers ..... 3 Credits
Electives ..... 6 Credits

AREA III
C 103 Preparation for College Chemistry ..... 1 Credit
C 107-C 109 Essentials of Chemistry ..... 6 Credits
C 108-C 110 Chemistry Laboratory ..... 3 Credits
Z 111-Z 112 Human Anatomy and Physiology ..... 8 Credits

AREA II and/or III
Electives ..... 3-4 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ..... 28 Credits
HE 207 Nutrition ..... 3 Credits

Additional Physical Education Courses Required
PE 143, PE 212, PE 214, PE 217, PE 228,
PE 241, PE 305, PE 311, PE 361, PE 451,
Coaching Methods (2 credits) ..... 19 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 312 ..... 15 Credits
Electives ..... 3 Credits

Additional Electives ..... 11 Credits

TOTAL: 128 Credits

ATHLETIC COACHING OPTION GRADUATION REQUIREMENTS

GENERAL COLLEGE REQUIREMENTS
English Composition ..... 3-6 Credits

AREA I Requirements
Electives ..... 12 Credits

AREA II Requirements
P 101 General Psychology ..... 3 Credits
CM 111 Fundamentals of Speech Communication
or
CM 311 Speech Communication for Teachers ..... 3 Credits
Electives ..... 6 Credits

AREA III Requirements
C 103 Preparation for College Chemistry ..... 1 Credit
C 107 Essentials of Chemistry ..... 3 Credits
C 108 Chemistry Laboratory ..... 1 Credit
Z 107 Human Anatomy and Physiology 4 Credits
Electives ..... 3-4 Credits

AREA II and/or III Requirements
Electives ..... 9 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ..... 28 Credits
HE 207 Nutrition ..... 3 Credits
Additional Physical Education Courses Required
PE 143, PE 212, PE 217, PE 228, PE 311, PE 430,
PE 493, Coaching Methods (4 credits) ..... 15 Credits

TEACHER EDUCATION REQUIREMENTS
TE 201, TE 381, TE 481, P 312 ..... 15 Credits
Electives ..... 3 Credits

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 Credits

AREA I
MU 101 Music Fundamentals ..... 2 Credits

AREA II
P 101 General Psychology ..... 3 Credits
P 311 Child Psychology ..... 3 Credits
CM 111 Fundamentals of Speech Communication
or
CM 311 Speech Communication for Teachers ..... 3 Credits
Electives ..... 3 Credits

AREA III
C 103 Preparation for College Chemistry ..... 1 Credit
C 107 Essentials of Chemistry ..... 3 Credits
C 108 Chemistry Laboratory ..... 1 Credit
Z 107 Human Anatomy & Physiology ..... 4 Credits
Electives ..... 3-4 Credits

AREA II and/or III Electives ..... 9 Credits

PHYSICAL EDUCATION MAJOR REQUIREMENTS
Physical Education Core ..... 28 Credits

Additional Physical Education Courses Required
PE 143, PE 212, PE 357, PE 359, PE 361,
PE 451, PE 493 ..... 14 Credits
PE Electives ..... 4 Credits

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

			CREDITS
PE	100	Health Education	3
PE	101	Introduction to Physical Education	1
PE	105	First Aid	2
PE	145	Professional Activities (Women)	
		or	
PE	147	Professional Activities (Men)	2
PE	148	Professional Activities (Men)	
		or	
PE	245	Professional Activities (Women)	2
		Activities Electives (Men)	2
PE	163	Basketball (Women)	1
PE	165	Volleyball (Women)	1
PE	202	Principles of Physical Education	2
PE	228	Introduction to Athletic Injuries	2
PE	230	Anatomical Kinesiology	2
PE	310	Physiological Kinesiology	2
PE	357	Dance for Children	2
PE	361	Elementary School Physical Education	

		Methods	3
PE	451	Adaptive and Corrective Physical Education	2
		Coaching Methods	4
		TOTAL	33

ATHLETIC COACHING MINOR

PE	100	Health Education	3
PE	101	Introduction to Physical Education	1
PE	105	First Aid	2
PE	145	Professional Activities (women)	
		or	
PE	147	Professional Activities (men)	2
PE	228	Introduction to Athletic Injuries	2
PE	230	Anatomical Kinesiology	2
PE	304	Secondary School Physical Education Methods	2
PE	310	Physiological Kinesiology	2
PE	202	Principles of Physical Education	2
PE	401	Psychology of Activity	3
PE	430	Organization and Administration of Athletics	2
PE	493	Internship in Physical Education (Coaching)	3
		Coaching Methods	6
		TOTAL	32

PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD OPTION

		Physical Education Core Program	28
		Professional Activity Electives	5
PE	202	Principles of Physical Education	2
PE	228	Introduction to Athletic Injuries	2
PE	361	Elementary School Physical Education Methods	3
PE	359	Kindergarten & Special Education Physical Education Methods	2
PE	357	Dance for Children	2
PE	451	Adaptive & Corrective Physical Education	2
		TOTAL	46

PRE-PHYSICAL THERAPY OPTION

		Physical Education Core Program	28
		Professional Activities Electives	2
PE	228	Introduction to Athletic Injuries	2
PE	202	Principles of Physical Education	2
PE	311	Biomechanical Kinesiology	2
PE	402	Athletic Training & Sports Medicine	3
PE	451	Adaptive & Corrective Physical Education	2
PE	493	Internship in Physical Education (Physical Therapy)	6
		Total	47

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 "Aptitude" 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

	CREDITS
I. Lower division: A. Psychology (see: Area II, below)	
B. Other	
1. Area I	15-18
English Composition	3-6
Literature	3
Second Area I field*	3
Third Area I field*	3
Any Area I field**	3
2. Area II	15
History	3
General Psychology P-101	3
Physiological Psychology, P-225	3
Intro to Practice of Psych, P-201	3
Third Area II field	3
3. Area III	18
Mathematics for the Life Science, M-115-116	10
Human Physiology and Anatomy, Z-11-112	8
II. Upper Division:	
A. Psychology	25
1. Statistical Methods P-305	3
2. Experimental Psychology P-32	4
3. Psychological Measurement P-421	3
4. Learning, P-441	3
5. Psychological Systems P-461	3
6. Electives in psychology	9
B. Upper Division Electives	15
III. Free electives (37-40 credits)	

NOTE: Only 12 SPECIAL TOPICS credits may be used in meeting college core requirements.

*excluding performance courses
** excluding performance courses

(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
*English Comp. E-101, 102	3	3
Intro. to Art, Drama, Music or Humanities	3	3
*Human Physiol. and Anat., Z-111-112	4	4
History of Western Civ. H-101 and H-102	3	3
*General Psychology, P-101	3	—
Elective	—	4
	16	17

	1ST SEM.	2ND SEM.
SOPHOMORE YEAR:		
Literature	3	3
*Math for Life Sciences, M-115, 116	5	5
Physical and Cultural Anthropology, AN-201, 202	3	3
*Physiological Psych. P-225	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

COURSES

PE PHYSICAL EDUCATION

100 Health Education (Coed) (3 credits). Health education covers a wide variety of subjects, as nutrition, diseases, health needs and services, drugs, family living and personality structure and development. The major objective of this class is aiding student adjustment towards effectively functioning in a changing environment. Required of PE majors. Either semester.

101 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; duties of physical educators; professional preparation, service rendered by 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 safe 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 10 minutes. Must be able to jump into deep water fully clothed and float, tread water safely 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 will also be taught. Students will furnish their own shotgun, shells, and trap range fees. Either 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, splinting and bandaging. Successful completion of course leads to Red Cross standard certificate. Required of all PE majors. Each semester.

108 Adaptive Physical Education (Coed) (1 credit). A fundamental body mechanics, posture and corrective exercise program designed to offer assistance to men and women who, for various reasons, 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 an activity class they can no longer participate in. The course may be repeated for credit. Either semester.

109 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) (1 credit). 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 strategy 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 the cue, grip, stroke, and bridge. Rules, position play and playing strategy will also be taught. Either semester.

113 Basic Movement (Coed) (1 credit). Professional Activities. Instruction and practice in Basic Movements. (Required of all P.E. 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 and 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. Instruction in the proper use of mask, fins, and 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 dveloping 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 camping sites, 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. The Karate techniques are based on the theory of energy conservation. 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 Steam 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 fishes will be emphasized. Students must provide their own equipment and transportation. Either semester.

141 Swimming (Coed) (1 credit). Professional Activities. Instruction and practice in swimming (Required in some options). Either semester.

143 Basketball and Volleyball (Coed) (1 credit). Professional Activities. Instruction and practice in Basketball and Volleyball (Required in some options). Either semester.

149 Resistance Training and Conditioning Procedures (Coed) (1 credit). Professional Activities. Instruction and practice in resistance training activities. (Required of all P.E. Majors). Either semester.

152 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 that do not know how to swim. Either semester.

154 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.

161 Beginning Badminton (Coed) (1 credit). The course covers basic skills in badminton to encourage skill development, understanding and appreciation of the game. Either semester.

163 Beginning Volleyball (W) (1 credit). The course consists of participation in volleyball with consideration of fundamental skills, rules, and basic team strategy. Either semester.

164 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.

165 Beginning Basketball (W) (1 credit). The course consists of participation in basketball with consideration of fundamental skills, rules, and basic team strategy. Either semester.

166, 167 Varsity Participation (1 credit). Includes Football, Basketball, Wrestling, Baseball, Track, Cross Country, Tennis, Golf, Gymnastics, Field Hockey, Softball, and Volleyball. Prerequisite: For varsity participants only.

168 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.

169 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. Students will furnish their Gi. Either semester.

175 Beginning Self-Defense (Coed) (1 credit). The defensive tactics are presented in the forms of Aikido, Judo, and Karate; teaching coordination of the mind and body and nonagressive 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 Gi. Either semester.

179 Rugby (M) (1 credit). Introductory course to provide skills, rules and team play for the beginner. Either semester.

180 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, golf, 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 also 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, mixer, 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.

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.

188 Social Dancing (Coed) (1 credit). (The course covers basic techniques of social dancing. Dances included are waltz, cha-cha, foxtrot, rumba, tango, lindy, and various novelty dances. Either semester.

189 International Folk Dancing (Coed) 1 credit). Instruction and application of basic steps and patterns used in folk dances from different countries. Either semester.

190 Beginning Bowling (Coed) (1 credit). Designed to teach the basic skills of bowling; includes approach and delivery; handicaps 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 Gi. 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 playing activities where old and new skills can be used. Fall semester.

194 Cross-Country Skiing (Coed) (1 credit). This class 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 nonagressive application of the natural 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 Gi. Prerequisite: PE 175 or experience.Either semester.

210 Advanced Judo (Coed) (1 credit). Continuation of the basic skills of Judo. Advanced form to encourage participants to seek advanced degrees. Students will furnish their Gi. Prerequisite: PE 174 or experience.Either semester.

212 Track and Field (Coed) (1 credit). Professional Activities. Instruction and practice in track and field. (Required in some options). Either semester.

214 Archery and Bowling (Coed) (1 credit). Professional Activities. Instruction and practice in archery and bowling (Required in some options). Either semester.

217 Wrestling and Rhythmic Gymnastics (Coed) (1 credit). Professional Activities. Instruction and practice in Wrestling and Rhythmic Gymnastics (Required in some options). Either semester.

225 Golf (Coed) (1 credit). Professional Activities. Instruction and practice in golf (Required in some options). Either semester.

228 Introduction to Athletic Injuries (Coed) (2 credits). An introduction to Athletic training, care prevention, and rehabilitation. The role of the Athletic Trainer, qualifications and rehabilities, as they relate to physical education and athletics; Control and care of injuries. Prerequisite: C 107 & Z 107 or Z 130 and Sophomore standing. Either semester.

230 Anatomical Kinesiology (Coed) (2 credits). An overview of the structure and motion capabilities of the human musculoskeletal system. Emphasis will be placed on the analysis of movement through the study of individual muscles, muscle groups, muscles as a means of transmitting force to levers and surface anatomy. Prerequisite: C 107 & Z 107 or Z 130 and Sophomore standing. Either semester.

233 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 133, Modern Dance or experience. Either semester.

235 Advanced Karate (Coed) (1 credit). This course provides for continuation of the techniques learned in Beginning Karate. Instruction will be in greater depth in the art of Karate. Participants will be encouraged to seek degrees of rank. Students will furnish their own Gi. 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, deception, and strategy. Prerequisite: Playing experience or PE 161. Either semester.

263 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 163. 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 (Coed) (1 credit). The course consists of participation in basketball with consideration of advanced skills, team strategy and officiating. Prerequisite: Playing experience or PE 165, 168. 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.

273 Intermediate Gymnastics (W) (1 credit). Review of beginning and development of intermediate-advanced gymnastic skills for women. Emphasis on performing combinations, compulsory, and optional routines. Prerequisite: PE 253, Beginning gymnastics or instructor's permission. Either semester.

276 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 173. Either semester.

277 Weight Training (M) (1 credit). 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 difficulty. The more advanced student is provided with progressive and more complex skills and conditioning methods relative to resistance exercises. A brief history of weight training and lifting is conveyed, as well as general and specific procedures, safety factors and an explanation of the facts and fallacies of using resistance during exercise. Either semester.

278 Intermediate Gymnastics (M) (1 credit). This course is designed for those students who have completed the beginning gymnastics course 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 208. Either semester.

281 Intermediate Swimming (Coed) (1 credit). A review of basic skills and strokes, plus optional strokes, appropriate self-rescue skills, games, diving, and contests. Prerequisite: Swim 50 yards. Either semester.

282 Advanced Lifesaving (Coed) (1 credit). This ARC swimming course includes: personal safety, self-rescue skills, and rescue training. Prerequisite: Good health and ability to swim 500 yards. Either semester.

283 Water Safety Instructor's Course (Coed) (2 credits). The course includes: A review of the courses the instructor is eligible to teach, teaching methods relative to those courses, general information for instructors, and practice teaching. Satisfactory completion of the course qualifies the student for an ARC WSI Certificate. Prerequisite: A current ARC Advanced Lifesaving Certificate and an ARC swimmer level of skill, and an interest in teaching. Either semester.

285 Intermediate Golf (Coed) (1 credit). This course is a continuation of beginning golf. It is designed for those students who have completed golf 181 or who consider themselves to be beyond the beginning stages of the game. All of the basic fundamentals will be reviewed, but a greater emphasis will be placed on form, technique and detail. The student will also learn different types of specific golf shots. Prerequisite: Playing experience or PE 181. Either semester. Green fee approximately $10.00.

286 Beginning Fencing (Coed) (1 credit). An introduction to a lifetime sport, including basic skills and strategies of fencing. Either semester.

287 Intermediate Fencing (Coed) (1 credit). A review of basic skills and strategies; advanced techniques and bout practice with electrical equipment. Introduction of competitive fencing including judging and directing skills. Prerequisite: PE 286 or experience. Either semester.

290 Advanced Bowling (Coed) (1 credit). Includes the finer skills of bowling—playing the lanes, playing the angles, analyzing the game. Common faults, symptoms and remedies. Advanced techniques and technical information. Prerequisite: PE 190 or experience. Either semester. Bowling fee approximately $10.00.

Upper Division

303 Intramurals and Sports Officiating (Coed) 2 credits). Designed to acquaint the student with the organization and administration of intramural programs. Includes sports and intramural officiating. Prerequisite: Junior standing. Either semester.

304 Methods for Teaching Physical Education (Coed) (2 credits). Program development; methods of instruction in Physical Education. The purposes and requirements of the physical education program, with emphasis on program planning, methods, and materials of instruction. Prerequisite: Professional activities—4 hours or junior standing. Required of all PE Majors. Either semester.

305 Personal and Public Health Problems (Coed) (3 credits). An indepth study of the current issues and trends in health programming and education. Designed to present the student with a progressive health topic sequence of instruction. An emphasis will be placed upon prospective health related individual and social problems. Prerequisite: PE 100 and Junior standing. Either semester.

309 Evaluation in Physical Education (Coed) (3 credits). Review of basic mathematical concepts as related to statistical analysis, philosophy of evaluation, construction, administration, and interpretation of tests. Required of all P.E. Majors. Prerequisite: PE 304 and Junior standing. Either semester.

310 Physiological Kinesiology (Coed) (2 credits). The effects of exercise and training on the systems of the body and emphasis on the preparation of training programs for specific activities. Prerequisite: Anatomical Kinesiology PE 230 and Junior standing. Either semester.

311 Biomechanical Kinesiology (Coed) (2 credits). The application of the principles of mechanics and laws of physics in analyzing the motor movements of man and in teaching fundamental techniques of sports activities. Prerequisite: Anatomical Kinesiology PE 230 and Junior standing. Either semester.

319 Techniques and Methods of Coaching Football (Coed) (2 credits). Details of teaching individual fundamentals, offensive and defensive play, strategy, and conditioning of players. Prerequisite: Junior standing. Either semester.

320 Techniques and Methods of Coaching Wrestling (Coed) (2 credits). Offense and defense in wrestling, equipment and training; meets and tournaments; wrestling styles; and conditioning and facilities. Prerequisite: Junior standing. Either semester.

323 Techniques and Methods of Coaching Basketball (Coed) (2 credits). Methods of coaching offense and defense, styles of play; and basketball strategy. Prerequisite: Junior standing. Either semester.

324 Techniques and Methods of Coaching Baseball (Coed) (2 credits). Team leadership and organization, selection and evaluation of personnel, practice organization, playing fundamentals, offensive and defensive strategies of the game of baseball. Prerequisite: Junior standing. Either semester.

327 Techniques and Methods of Coaching Track and Field (Coed) (2 credits). The theory and methods of coaching the various events in track and field and the planning of meets. Prerequisite: Junior standing. Either semester.

336 Techniques and Methods of Coaching Women's Gymnastics (Coed) (2 credits). Techniques of teaching and coaching gymnastics. Emphasis is placed on progressions, safety, and conditioning. Prerequisite: Junior standing and PE 208 or PE 253. Either semester.

341 Dance Techniques (Coed) (2 credits). A course in methods of teaching dance in secondary schools. Areas included are folk and square dance, social dance, modern dance, and rhythmic gymnastics. Prerequisite: Junior standing and PE 184 or experience. Either semester.

357 Dance for Children (Coed) (2 credits). The analysis of the fundamentals. The development of skills, and the application of methods in teaching dance in Kindergarten, special education and elementary school physical education. To include: basic fundamental movement, singing games, Danish gymnastics, folk dance, square dance, round dances and mixers, fitness to music and creative dance. Prerequisite: Junior standing. Spring semester.

359 Perceptual Motor Programs for Kindergarten and Special Education Teachers (Coed) (2 credits). This class is designed for future kindergarten and special education teachers or physical education specialists with emphasis on the perceptual motor development of children; theory, diagnosis, program planning, methods and materials. Prerequisite: PE 361 and Junior standing. Fall 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.

402 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. Prerequisite: Introduction to Athletic Injuries PE 228 and Physiological Kinesiology PE 310. Either semester.

425 Problems in Teaching Physical Education (Coed) (2 credits). CCBII. A course for senior students who have completed student teaching. Students will mutually consider problems encountered in student teaching and attempt to solve them. The resources of the entire physical education staff, plus outside experts will be used. Opportunities for individual research will be provided. Prerequisite: Student teaching. Fall 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, supplies, scheduling records, public relations, legal responsibilities, professional relationship, and professional advancement. Prerequisite: Secondary School Physical Education Methods.

451 Adaptive and Corrective Physical Education (Coed) (2 credits). Survey of common deviation of posture, functional disturbances, and crippling conditions found in school children. Consideration of the extent and limitations of the teachers' responsibility for improvement of physical defects. Prerequisite: Anatomical Kinesiology PE 230 and Junior standing. Either semester.

457 Organization and Administration of Physical Education (Coed) (3 credits). Study of departmental 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, drills 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 Physical Education related area that provides a structured practicum related to the students professional background and career objectives. The program is primarily concerned with the understanding of the theory and practices of the activity to which the student is assigned. Required for graduation in Physical Education in some options. (Students in the Athletic Trainer Option will take PE 293, 3 credits and PE 493, 3 credits). Prerequisite: PE 230, one Coaching Methods class and Junior or Senior standing. Either semester.

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.

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. Prerequisite: General Psychology 101 and consent of instructor. 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 Z 111-112 Human Physiology and Anatomy. Fall semester.

Upper Division

(NOTE: Upper-division psychology courses are saved for upper-division students.)

301 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.

305 Statistical Methods (3 credits). Statistical concepts and methods commonly used in treatment of data in the Social Sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and simple analysis of variance. Prerequisites: Mathematics of the Life Sciences M-115-116. Each semester.

311 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. Student may not earn credits in this course and in Human Growth and Development F-210. Prerequisite: General Psychology 101. Each semester.

312 Adolescent Psychology (3 credits). Chronologically a continuation of Child Psychology P-311; the 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. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology 101. Each semester.

321 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.

325 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.

341 Perception (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.

353 Psychoanalytic Psychology (3 credits). Human emotion and motivation from the points of view of Freudian theory and its derivatives. Prerequisite: Gen. Psych. 101. Suggested companion course—either earlier or late—Personality 351. Spring semester, alternate years. Not offered 1977-78.

357 Peer Counseling: The Helping Relationship (3 credits). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio- and especially videotaping and group activities. 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.

401 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. Prerequisites: Senior or second-semester junior standing in psychology with an upper-division GPA above 3.0. Plus selection by the Department. Each semester.

405 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 techniques, analysis of covariance, 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.

421g 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.

435 Psychology of Motivation (3 credits). Survey of experimental and theoretical studies of motivation in animals and men. Prerequisites: General Psychology 101. Mathematics 115-116, Statistical Methods P 305. Either semester.

441 Learning (3 credits). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: Conditioning, rote learning, problem solving, memory, discrimination, and motor skills. Prerequisite: General Psychology 101, Mathematics for the Life Sciences M-115-116, Statistical Methods P 305. Experimental Psychology P 321 may be taken before or concurrently with Learning. Fall semester.

461 Systems Seminar (3 credits). Theories and controversies of the past and present. Prerequisite: Senior standing in Psychology. Spring semester.

495 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.

499 Systems Seminary (3 credits). Theories and controversies of the past and present. Prerequisite: Senior standing in Psychology. Spring semester.

Graduate

503 Individual Testing Practicum (3 credits). Emphasis in the course will be on the techniques and procedures of administering and scoring current, standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisites: Mathematics M 115, 116; Statistics P 305; and Psychological Measurement P 421. Open to qualified seniors with consent of instructor. Limited enrollment. Spring semester, alternate years. Not offered 1977-78.

TE 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 ideas 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 student, 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.

205 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.

271 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 direct "aiding" experience in a cooperating elementary or special education school classroom. Assignments to classrooms and scheduling of teacher aiding hours are arranged in cooperation with participating schools. Periodic seminars and evaluations are arranged by the university supervisor. Prerequisite: TE-171. Fall-Spring semester.

291 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 pursue through reading and class presentations the various approaches utilized in meeting the program needs of these students. Prerequisites: P-101 General Psychology, and TE-171 Early School Experience. Each semester.

Upper Division

356 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.

358 Corrective Reading in the Elementary School (3 credits). A study of reading difficulties of elementary school pupils with emphasis upon diagnosis, materials and methods of teaching. The student will tutor a pupil assigned from the Reading Education Center for approximately 20 sessions. Opportunity is offered to consider learning difficulties related to ethnic and cultural differences. Prerequisite: TE-205. 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 practices of driver and traffic safety education for 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 public 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.

410 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 production in the operation of audio-visual equipment commonly found in the elementary classroom. Fall semester.

411. 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 material and 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 the mentally retarded and the methods and adaptations necessary 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 found in the regular school classroom. Such areas as severe mental retardation, multiple handicaps, and the severely emotionally disturbed will provide the basic exceptionalities for this course. Prerequisite: TE-291 Educ. & Psych. Implications for the Exceptional Child in School. Fall Semester.

423G Teaching the Moderately and Severely Handicapped (3 credits). The course is designed to aid participants to gain 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/or graduate status. Spring semester.

430 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.

431 The Remediation of the Mildy and Moderately Handicapped (3 credits). Emphasis is placed on the recognition and development of the prescriptive educational needs 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 possible correction of the specific learning disorder. Spring semester. Prerequisite: TE 430 or consent of the instructor.

440 Instructional Materials for the Exceptional Child (3 credits). Opportunities for the planning, use and evaluation of instructional materials for specific exceptionalities will be the format of this course. Students will develop procedures that the teacher of the exceptional child will use in the classroom activities in regard to the materials available. The Associate Special Education Instructional Materials Center, and other resources will provide the materials and equipment for the course. Fall semester.

450G Behavior Intervention Techniques (3 credits). This course is designed for teachers, counselors, and administrators to gain understanding of the principles of behavior and the application of behavioral analysis procedures. The major emphasis will be based upon the Learning Theory Model and Intervention Strategy to deal with children in classroom and the relationship of their behavior to the environment. Prerequisite: TE-291. Spring semester, Summer.

451 Elementary Curriculum and Methods I (5 credits). The first semester of Elementary Curriculum and Methods with an emphasis upon language arts. However, all apsects of curriculum are included. To be taken concurrently with Student Teaching 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.

461 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. Spring Semester.

462 Curriculum in Early Childhood Education (3 credits). All areas of the curriculum will be explored. Various early childhood curriculums from national programs will be examined. The processes and materials for intellectual and language development examined and utilized. Fall semester.

464 Teaching and Organizational Strategies 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 will various United States open-classroom models. Spring semester.

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 study devices, display devices, pocket charts, self-correctional devices, circuit boards, programmed instruction, muppets, puppets, and games will be covered. Students will be charged a lab fee which will be used to purchase instructional supplies. Spring Semester.

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 G.P.A. 2.25. Fall semester.

472 Elementary Student Teaching (5 credits). Observation and supervised teaching. Prerequisite: TE-451. To be taken concurrently with Elementary Curriculum & Methods TE-452. Spring semester.

473 Elementary Student Teaching in Special Education (5 credits). Observation and supervised teaching in special education, either in learning disabilities or mental retardation. Prerequisite: Required course work in special education and approval for placement in a special education classroom. Either semester.

481 Secondary Student Teaching (6 credits). Supervised student teaching in a secondary school. Prerequisites: (1) Admission to Teacher Education. Completion of Secondary Methods, or a special methods course in the teaching area with a minimum grade of "C". Senior standing. GPA of 2.50 in major field, minor field, and education courses. A cumulative GPA of 2.50. Recommendation of the faculty advisor or department chairman. Approval of an official application for student teaching. Application must be filed with the office of the Coordinator of Field Services by March 1 of the Junior year. Each semester.

498 Senior Seminar—Elementary/Special (2 credits). Fall semester.

499 Senior Seminar—Elementary/Special (2 credits). Spring semester. A course designed to assist prospective elementary or special education teachers in effectively dealing with key problems associated with active entrance into the teaching profession. Offered each semester concurrent with Elementary Student Teaching. This course provides in-depth consideration of (1) interpersonal communication, (2) ethical behavior, (3) use of special resources, (4) role of professional associations, and (5) controversial issues in teaching. Consideration is accomplished through intensive workshops and small group exchange seminar meetings with the University clinical professors.

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 to 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

301 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.

***311 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.

316 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.

***321 Basic Book Selection** (3 credits). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for the slow and gifted reader. Spring semester.

331 Cataloging and Classification (3 credits). Introduction to the theory and principles of classification and cataloging of book and non-book materials; practice in using the Dewey Decimal Classification, in preparing catalog cards and in the ordering and use of Wilson and Library of Congress printed cards; assigning of subject headings, and library filing. Spring semester.

341 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.

*Especially recommended for secondary teachers.
**Especially recommended for secondary language arts teachers.

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
	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 Universities courses 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 needs as a teacher. Specific courses are listed within each area of emphasis.

Areas of Emphasis

The candidate selects one of three areas of emphasis:

1. **Curriculum and Instruction**
   A program is planned for the person who desires to continue as a generalist in Education. A broad curriculum rather than a specialty is emphasized.
2. **Reading**
   The program is planned for the person who desires to specialize in Reading Education.
3. **Content Enrichment**
   The programs are planned for persons interested in subject area specialities such as Art, Mathematics, and Music. The committee chairperson has information regarding approved subject areas.
4. **Special Education**
   Programs are planned for persons interested in the areas of Learning Disabilities or Mental Retardation.

COURSES

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). 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-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. Summer.

Two 1-credit hour classes from the following list:

TE-565 Interpreting Education Research (1 credit). Summer (See secondary courses for description)

TE-566 Learning Theory and Classroom Instruction (1 credit). Summer (See secondary courses for course description)

TE-567 Teaching Subject Content Through Reading (1 credit). Summer. (See secondary courses for description)

TE-568 Techniques of Classroom Management (1 credit) Summer. (See secondary courses for description)

TE-569 Testing and Grading (1 credit). Summer. (See secondary courses for description).

TE-573 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 classroom. Special emphasis is placed on designing usable classroom techniques for creative teaching, and on evaluating growth in creativity of children. Prerequisite: Graduate Status. 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.

TE-593 Thesis, TE-591 Project (3 credits). Each semester and summer.

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-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 standaridized and informal are discussed. Each semester and summer.

TE-510 Advanced Practices and Principles in Teaching Social Science (3 credits). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of the program materials and media, and research findings basic to social studies will be developed. Fall semester.

TE-511 Advanced Practices and Principles in Teaching Elementary Mathematics (3 credits). A study will be made of the number abilities needed by children, the methods needed in providing number experiences, desirable teaching procedures, use of materials, and research findings in mathematics. Spring semester.

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 elementary school curriculum, stressing the newer approaches to language development, spelling, writing, listening-speaking skills. Summer.

TE-513 Advanced Practices and Principles in Teaching Elementary Science (3 credits). Current practices and principles in modern elementary science concepts will be developed. Particular reference will be made to selecting and organizing content and experimental activities. Fall semester.

Cluster II (Choose at least one course)

TE-505 Individual Tests and Measurements (3 credits). An intensive investigation is pursued in the field of individual testing, measurement and evaluation. Each 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 developing 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 working with pupils with exceptional abilities will be studied. Spring semester.

TE-517 Development of Skills for Teaching the Mentally Retarded (3 credits). The techniques and methods applicable for use by the classroom teacher in developing skills for working with mentally retarded pupils will be studied. Prerequisite: TE 420 or TE 421. Spring semester.

P-501 Counseling and Consulting in the Elementary and Special Classroom (3 credits). An intensive study of classroom behavior with special attention to causes and purposes of the various behaviors. The course includes the practicing of processes considered effective in bringing about change in inappropriate behaviors. Classroom counseling and consultative processes fundamental in serving the several areas of the exceptional child are also practiced. Emphasis is on the psychological processes important to the child's development and consulting with others who need to understand the child. Prerequisite: P-101 General Psychology. Each semester and summer.

P-502 Advanced Educational Psychology (3 credits). A study of contemporary issues involving both theoretical and methological considerations in the history and systems of educational psychology will be given. Special emphasis will be given to group behavior in terms of principles relevant to educational objectives. Prerequisite: P-101 General Psychology and P-325 Educ. Psychology. Either semester. (Not offered 1978-79).

P-503 Individual Testing Practicum (3 credits). Emphasis in the course will be on the techniques and procedures of administering and scoring current, standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisites: Mathematics 115-116, Statistics P 305 and Psychological Measurement P 421. Open to qualified seniors with consent of instructor. Limited enrollment. Spring semester.

P-504 Analysis of the Individual (3 credits). A study of techniques used in analyzing the individual with emphasis on the elementary level. The course includes observational methods, recording behavior, behavioral analysis, interviewing and use of test information. Prerequisite: P 101 General Psychology. Spring semester.

P-505 Personality Development (3 credits). Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception, and motivation is developed. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued. Prerequisite: P 101 General Psychology. Fall semester.

P-421g Psychological Measurement (3 credits). An introduction to the theory and nature of psychological measurement together with a survey of psychological tests currently used. Prerequisite: General Psychology P 101, Mathematics for the Life Sciences M 115-116 and Statistical Methods P305. Spring semester.

Additional Elective Courses

TE-502 Diagnosis of Reading Problems (3 credits). (See Reading emphasis for course description). Fall semester and Summer.

TE-503 Remediation of Reading Problems (3 credits). (See Reading emphasis for course description). Spring semester and Summer.

TE-518 Techniques for Creative Writing in Elementary Schools (3 credits). Methods and techniques 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. Summer, every other year.

TE-521 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. Summer, every other year.

TE-522 Individualization of Reading Instruction (3 credits). Emphasis upon the individualized approach to reading education. Spring semester and Summer.

TE-531 Education for the Culturally Different Learner (3 credits). (See Secondary courses for description). Spring semester.

TE-541 Education in Emerging Nations (3 credits). (See Secondary courses for description). Fall semester.

TE-551 Fundamentals of Educational Research for Teachers (3 credits). (See Secondary courses for description). Fall semester.

TE-555 Supervision in Schools (3 credits). (See Secondary courses for description). Fall and Spring semester.

TE-559 Values and and Ideology in Education (3 credits). (See Secondary courses for description). Spring semester.

P-598 Seminar—Adolescent Psychological Problems (3 credits). (See Secondary courses for description). Fall semester.

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.

READING

(Courses and Requirements)

Candidates complete 12 credit hours as listed. The remaining 6 credits may be selected from the offerings previously listed.

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). The role of the special reading teacher and his type of screening devices is developed. Various standardized and informal reading tests are put into practice by working with a child in the Reading Center. A case study culminates the course. 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 is emphasized. Training is fostered by tutoring a child under supervision in the Reading Center. Prerequisite: TE 502. Spring semester and summer.

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.

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). See description under Reading. Fall semester and Summer.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). See description under Reading. Prerequisite TE-502. Spring semester and Summer.

TE-515 Development of Skills for Teaching Pupils with Learning Difficulties (3 credits). See description under Cluster II. Fall semester.

TE-590 Practicum in Learning Disabilities (4 credits). Students will be placed in practicum sites that will provide actual educational experiences with children identified as having learning disabilities. The sites will provide the student an opportunity to observe, assist and instruct the students having learning disabilities thereby developing the skills necessary to be a teacher of the learning disabled. Each semester and Summer.

Electives (5)

TE-440 Instructional Materials for the Exceptional Child (3 credits). See description under Upper Division listings. Fall semester.

TE-450G Behavior Intervention Techniques (3 credits). See description under Upper Division listing. Prerequisite: Upper division psychology course. Spring semester and Summer.

TE-523 Emotionally Disturbed Child in the Classroom (3 credits). The course is designed to assist teachers in understanding the educational and psychological needs of the emotionally disturbed child in the classroom. Emphasis is placed on developing techniques to facilitate the growth and development of the emotionally disturbed child. Fall semester and Summer.

PE-594 Physical Education in Special Education (2 credits). The course is designed to acquaint students with the theories of motor perceptual activity as well as to involve them in a hands-on approach to activity. The students will develop skills in identifying motor problems and plan the remedial needs for correction. Summer.

P-501 Counseling and Consulting in the Elementary and Special Classroom (3 credits). Prerequisite P-101 General Psychology. See description under Cluster II. Each semester and Summer.

P-506 Personality Development (3 credits). Prerequisite P-101 General Psychology. See description under Cluster II. 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). See description under Upper Division listing. Prerequisite: Upper Division psychology course. Spring semester and Summer.

TE-517 Development of Skills for Teaching the Mentally Retarded (3 credits). See description under Cluster II. Spring semester.

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.

P-501 Guidance and Consulting in the Elementary and Special Classroom (3 credits). See description under Cluster II. Prerequisite: P101 General Psychology. 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). See description in Upper Division listing. Prerequisite: TE-391 Psychology of the Exceptional Child or TE-392 Education of the Exceptional Child. Fall semester.

TE-423G Teaching the Severely Handicapped (3 credits). See description under Upper Division listing. TE-422 Curricular Programs for the Severely Handicapped and/or graduate status. Spring semester.

TE-440 Instructional Materials for the Exceptional Child (3 credits). See description in Upper Division listing. Fall semester.
TE-461 Child Behavior in Early Childhood Education (3 credits). See description in Upper Division listing. Spring semester.
TE-462 Curriculum in Early Childhood Education (3 credits). See description in Upper Division listing. Fall semester.
TE-505 Individual Tests and Measurements (3 credits). See description under Cluster II. Each semester.
TE-523 The Emotionally Disturbed Child in the Classroom (3 credits). See description under Learning Disabilities section. Fall semester and Summer.
PE-594 Physical Education in Special Education (2 credits). See description under Learning Disabilities section. 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, Chemistry, Earth Science, English, History, Mathematics and Music is presented through the Department of Teacher Education, the related subject department, and the School of Education. Each subject department has a planned program and it is described in the Bulletin within the department sections.

General information appropriate to all graduate programs is presented in the Graduate School section of the Bulletin.

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.

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-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.

Two 1-credit classes from the following list:

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 behavioristic 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.

Elective Courses

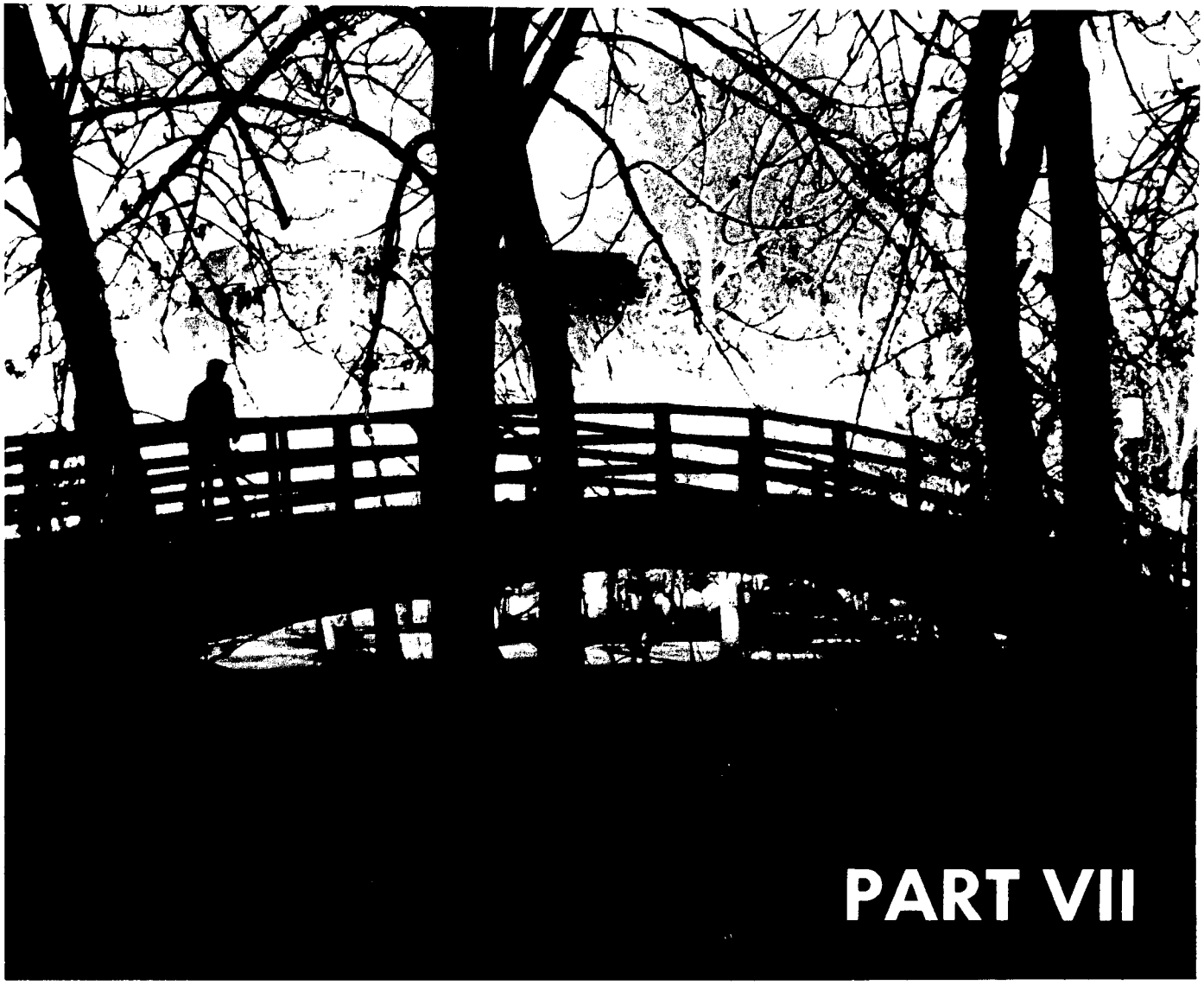
With the approval of the candidates committee, students may select additional courses from the following list as well as from the 1-credit course listing.

TE-507 Relating Reading Processes to Secondary School Subjects (3 credits). This course is designed for secondary teachers in all academic areas who desire to develop efficient methods of utilizing instructional materials in their content subjects. Techniques of vocabulary development, preparation of reading materials, comprehension, making assignments, learning to study, and testing will be studied so that the teacher can bring together students and reading material in the most efficient ways. Prerequisite: 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 emphasized. Various standardized and informal tests will be studied and analyzed. Several corrective techniques will be demonstrated and analyzed. Prerequisite: Graduate Status. Spring semester.
TE-531 Education for the Culturally Different Learner (3 credits). A study of the development 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. Prerequisite: Graduate Status. Spring semester.
TE-541 Education in Emerging Nations (3 credits). The course provides an analysis of the relationship between national goals and the educational system found in the twentieth century. The contemporary systems will be studied in light of three major factors:

1. Natural factors: Race, language, environment
2. Religious factors
3. Secular factors: Humanism, socialism and nationalism

The Soviet Union, South Africa, Sweden, Japan, Mexico and China will receive major attention. 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-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 practicum. 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-598 Seminar Adolescent Psychological Problems (3 credits). The psychological problems of adolescence in contemporary U.S. culture are discussed. Emphasis is put upon the pathology of adolescent behavior occurring in institutions, families, and peer groups. Prerequisite: Graduate Status. Fall semester, every other year.
SO-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. Prerequisite: Graduate Status and SO-101. Summer.

NOTE: Candidates may select appropriate courses from the Elementary Graduate Program course listing when approved by the committee.



PART VII

SCHOOL OF HEALTH SCIENCES

Dean Victor H. Duke, Ph.D.

INTRODUCTION

The School of Health Sciences is one of four academic units at Boise State University. Course work leading to associate and baccalaureate degrees is offered in several programs. Faculty of the school not only have the required graduate degrees but are also registered or certified as practitioners in the areas in which they teach. The several hospitals, clinics and government agencies in the area afford the necessary patients, professional support, and up to date equipment and facilities required to complement the classes and laboratories at the University.

The mission of the School of Health Sciences is to provide the best education possible with the available resources in those programs assigned by the State Board of Education. The school also accepts the responsibility to provide continuing education to its graduates as well as other health care providers throughout the state.

ADVISORY COUNCIL AND ADJUNCTIVE FACULTY

Clayton C. Morgan, M.D.
Chairman of Advisory Council
David M. Barton, M.D.
M.M. Burkholder, M.D.
John W. Gerdes, Ph.D.
E.E. Gilbertson, M.H.A.
R.M. Gudmundsen, D.D.S.
Edith Miller Klein, J.D.
Lawrence L. Knight, M.D.
Robert W. Matthies, M.D.
David K. Merrick, M.D.
Mary Nelson, R.N.
Charles L. Robertson, M.D.
Robert H. Sabin, M.B.A.
Don W. Sower
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
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 Hospital, Boise, Idaho

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF ALLIED HEALTH STUDIES

Medical Office Assistant
Acting Director: Elaine Rockne

Medical Record Science
Director-Instructor: Elaine Rockne

Medical Technology
Adjunctive Faculty: Beals, Kopper, White
Advisors: Ellis, Fuller

Radiologic Technology
Director-Assistant Professor: Duane Akroyd. *Clinical Coordinator-Instructor:* Rex Profit. *Assistant Professor:* Dennihan. *Instructor:* Kraker. *Medical Director:* Charles L. Robertson, M.D.

Respiratory Therapy
Director-Associate Professor: Conrad Colby. *Clinical Coordinator-Assistant Professor:* James R. Jensen, Ph.D. *Assistant Professor:* Lehman. *Instructor:* Ashworth. *Medical Director:* David K. Merrick, M.D. *Adjunctive Faculty:* Britton, Burger, Espeland, Gable, Gossi, Hopper.

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH:

Adjunctive Faculty: Edmundson

DEPARTMENT OF NURSING

Chairman-Professor: JoAnn T. Vahey, Ed.D.
Medical Advisor: C.C. Morgan, M.D.
Baccalaureate Nursing Program Director-Professor: Charlotte Gale, Ed.D.
Associate Degree Nursing Program Director-Associate Professor: Virginia Nehring
Coordinator, BSU/Northwest Nazarene College Cooperative Nursing: Judith Rollins
Project Director, Demo Model for Continuing Education in Nursing: Molly Young
Professor: Miles
Associate Professors: Cox, Fleming, Monninger, Smith, Wilcox.
Assistant Professors: Baicy, Buehler, Edgemon, Fountain, Laws, Matson, Penner, Robertson, Thomason.
Instructor: Taylor.
Clinical Lab Assistants: Mortensen, Spears, Wicks, Wimmer.
Adjunctive Faculty: Baker, F. Barton, Deeds, McIntosh, Peach, Scott.

DEPARTMENT OF PREPROFESSIONAL STUDIES

Adjunctive Faculty: Dawson, Ford, Matthies, Steuart.

DEPARTMENT OF ALLIED HEALTH STUDIES

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 the projected ratio for the mid-seventies of twenty to twenty-five per physician. It is clear that delivery of adequate and quality health care depends on the education of persons in technological specialities.

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 II requirements	12
Math	10
College Chemistry	9
Organic Chemistry with lab	10
Biochemistry with lab	4
General Zoology	4
General Botany	4
Cell Biology	3
Bacteriology	5
Physiology Z401 or Z409	4
Subtotal	83 credits
2. Electives (science) 6 courses	
General Physics (8) or Biophysics (4)	
Genetics (3)	
Histology (4)	
Quantitative Analysis with lab (5)	
Pathogenic Bacteriology (4)	
Cytology (4)	
Parasitology (3)	
Comparative Anatomy (4)	
Physical Chemistry (8)	
Subtotal	22-23
3. Electives (Health Science) Minimum of three courses	
Health Delivery Systems (3)	
Legal Implications of Health Practice (3)	
Medical Terminology (3)	
Medical Economics and Finance (3)	
Public Health Administration (2)	
Preprofessional Internship (2)	
Subtotal	8-9
Total	128 credits

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 be well versed in physical, biological and health sciences.

To this end, the School of Health Sciences 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 487-8-9. 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 111-112 or M 115-116)	10
College Chemistry & lab	9
Organic Chemistry & lab	10
Biochemistry & lab	4
General Zoology	4
General Botany	4
Cell Biology	3
Bacteriology	5
Mammalian Physiology	4

2. Health Science, Science and Free Electives 13

Total 96

3. Senior Year—Clinical Class and Practice
A calendar year to be spent in St. Alphonsus 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	6
Clinical Bacteriology	8
Clinical Parasitology	1
Urinalysis	1
Clinical Chemistry	8
Immunohematology	3
Serology-Immunology	2
Toxicology	1
Clinical Mycology	1
Clinical Correlations Seminar	1
	32
Total credits	128

COURSES

MT MEDICAL TECHNOLOGY

201 Basic Medical Technology (2 credits). A survey course designed to introduce those students interested in Medical Technology to some of the basic aspects of theory and practice encountered in the profession. The course demonstrates the relationship of the University and hospital programs in the development of knowledge and skills required in the field of medical technology. Fall semester.

Upper Division

487-8-9 Clinical Class and Practice (14-14-4 credits). Course requires 12 consecutive months of instruction in a hospital school approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Student spends approximately 40 hours a week in a laboratory practicum. Six to eight hours a week are set aside for reading assignments, lectures and examinations. Prerequisite: Acceptance by a hospital school accredited by the NAACLS. Fall, Spring, Summer semesters.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health Section.

MEDICAL ASSISTANT
(Medical Secretary)

The Medical Assistant will be prepared to function in either office or hospital setting. The program will provide knowledge and skills such as scheduling bookkeeping, filing, transcribing, and management of the record system. In addition, this program will provide knowledge and skills to enable the assistant to fulfill the role of contact between the patient and physician. These will include skills in communication, interpersonal relations, medical ethics and the legal aspects of patient care. Courses in behavioral science and humanities will enhance the Assistant's sensitivity to the special needs of the patient and his family. This program offers an Associate Degree.

CURRICULUM

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
Business Mathematics/Machines	—	3
Concepts of Anatomy & Physiology	4	—
Beginning and Intermediate Typing	2	2
Beginning and Intermediate Shorthand	4	4
Medical Terminology	3	—
Electives	—	3
	16	15

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
General Psychology	3	—
Advanced Shorthand	4	—
Applied Business Communication	3	—
Introduction to Business	—	3
Records Preparation and Management	3	—
Introduction to Financial Accounting	—	3
Advanced Typewriting	2	—
Word Proc. & Machine Trans	—	2
Elective	3	3
Administrative Office Procedures	—	3
Medical Office Orientation	—	1
	18	15

For course descriptions see Part V of the catalog.

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, page 8.

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 hospital activities.

APPLICATION PROCESS

A. Preprofessional Core Year
1. See University requirements.

B. Professional Programs
1. All students must fill out and return to the admissions office 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. Due to the limited number of clinical sites, the various Allied Health programs can accept only a limited number of students each year.
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:	1ST SEM.	2ND SEM.
English	3	3
Anatomy & Physiology (111, 112)	4	4
Chemistry (107, 109)	3	3
Chemistry (108, 110)	1	2
Math (111 or 115)	5	—
Intro. to Allied Health*	1	—
Psychology	—	3
Area I Elective	—	3
	17	18

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.
3. Students who have completed all course requirements with a GPA of 2.35 or higher (during the professional program) qualify for graduation.

*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.

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.

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 preprofessional 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 have finished beginning and intermediate typing, or demonstrate a typing speed of 45 words per minute.

PROFESSIONAL YEAR:	1ST SEM.	2ND SEM.
Medical Terminology (H 101)	3	—
Medical Records I	5	—
Health Delivery Systems (H 302)	3	—
Health Data	2	—
Disease and Operative Classification	2	—
Introduction to Disease Conditions (H203)	—	3
Medical Records II	—	5
Legal Implications of Health Practice (H 407)	—	3
Health Record Transcription	—	2
Introduction to Data Processing	—	3
	15	16

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).

COURSES

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 (2 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 (2 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 (4 credits). During the summer following the second year, providing all other program requirements have been completed, the students will spend four weeks (160 hours) in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology. Prerequisite: Completion of all other program requirements. Summer 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 radiol-

ogy department of hospitals or with doctors who maintain private practices.

The Radiologic Technology program in the School of Health Sciences 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.

The program has been granted preliminary accreditation by the Council on Medical Education of the American Medical Association, on the recommendation of the Joint Review Committee on Education in Radiologic Technology, whose sponsoring organizations are the American Society of Radiologic Technologists and the American College of Radiology. The curriculum will enable the student to complete the associate degree requirements and be eligible for the national certification examination. If desired, the student may continue on to the baccalaureate degree.*

Requirements for Admission, Application Process, Promotion and Graduation. See preprofessional core year for Allied Health.

CURRICULUM

Preprofessional Core year for Allied Health. See description at beginning of this section.

FIRST PROFESSIONAL YEAR:	1ST SEM.	2ND SEM.
Clinical Practicum	1	1
Radiographic Positioning I	3	—
Radiographic Technique & Control	3	3
Radiographic Physics	2	3
Area II Elective	3	—
Intro to Radiologic Science	2	—
Intro to Clinical Experience	1	—
Medical Terminology	3	—
Radiographic Positioning II	—	3
Clinical Experience	—	3
Area I Elective	—	3
	18	16
Summer		
Clinical Experience		6
SECOND PROFESSIONAL YEAR:	**1ST SEM.**	**2ND SEM.**
Clinical Practicum	1	1
Radiographic Positioning III	3	—
Special Radiographic Procedures	3	—
Medical & Surgical Diseases	2	—
Clinical Experience	5	5
Seminar in Radiologic Science	—	4
Radiographic Positioning IV	—	2
Area II Elective	—	3
	14	15
Summer		
Clinical Experience		6

*Final approval dependent upon State Board action.

COURSES

RD RADIOLOGIC TECHNOLOGY

211 Clinical Practicum (1 credit). Laboratory to be taken concurrently with RD 222. Fall semester.

221 Clinical Practicum (1 credit). Laboratory to be taken concurrently with RD 242. Spring semester.

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 results on a radiograph. Topics discussed are: X-ray film, darkroom chemistry, cassettes, and grids. Fall semester.

232 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.

238 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 (3 credits). A continuation of RD 222 to include examination of the lower extremities and pelvis. Also discussed are concepts and techniques for radiography of the spine. Spring semester.

252 Radiographic Technique and Control (3 credits). An in-depth analysis of detail, density, contrast, distortion, and how they affect radiographic quality. Also discussed are various types of exposure systems and quality control. Spring semester.

Radiologic Technology Clinical Experience. Supervised clinical experience in the hospital radiology department. This course offers the student the opportunity to apply academic instruction to various radiographic procedures in the hospital.

285 (3 credits).
375 (6 credits).
385 (5 credits).
395 (5 credits).
397 (6 credits).

Upper Division

311 Clinical Practicum (1 credit). To be taken concurrently with RD 316.

316 Radiographic Positioning (3 credits) Concepts and techniques used for advanced positioning to include: Skull, facial bones, sinuses, mastoids and various other specialized techniques. Prerequisites: RD 242 and RD 252.

320 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). Course covers 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 (2 credits). This course is a general survey for various diseases and pathology and how they affect the diagnostic quality of the radiograph. Fall semester.

360 Special Radiographic Procedures (3 credits). This course deals with the techniques for various vascular and neurological procedures. Also discussed are various other specialized radiographic procedures. Fall semester.

H 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 compentency 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:	1ST SEM.	2ND SEM.
Respiratory Therapy Theory I	2	—
Respiratory Therapy Theory II	—	2
Respiratory Therapy Lab. I	1	—
Respiratory Therapy Lab. II	—	1
Clinical Practicum I	3	—
Clinical Practicum II	—	3
Cardiopulmonary Physiology	4	—
Respiratory Therapy Nursing Arts	1	—
General Pathology	3	—
Emergency Procedures in Respiratory Care	1	—

Area I or II Elective	3	—
Pulmonary Function Lecture	—	2
Pulmonary Function Lab	—	1
Pulmonary Medicine I	—	1
Intro. to Biophysics	—	4
Microbiology	—	4
	18	18

Summer

Elective Area I or II	6	—

SECOND PROFESSIONAL YEAR:	**1ST SEM.**	**2ND SEM.**
Respiratory Therapy Theory III	2	—
Respiratory Therapy Theory IV	—	2
Respiratory Therapy Lab. III	1	—
Respiratory Therapy Lab. IV	—	1
Clinical Practicum III	4	—
Clinical Practicum IV	—	6
Radiologic Studies of the Respiratory System	1	—
Pulmonary Medicine II	3	—
Respiratory Cardiology	2	—
Professional Seminar	—	4
Principles of Pharmacotherapeutics	3	—
	16	13

COURSES

RT RESPIRATORY THERAPY

201 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, 1978.

203 Respiratory Therapy Theory I (2 credits). Study of medical gas therapy to include clinical gases, gas mixtures and various equipment. Theory and technique of aerosol and humidification therapy; Introduction to infection control and cardiopulmonary resuscitation. Prerequisite: admission to Respiratory Therapy Program. Fall, 1978.

204 Respiratory Therapy Laboratory I (1 credit). Practice in the use of medical gas techniques. Fall, 1978.

207 Respiratory Therapy Nursing Arts (1 credit). Demonstration and practice in those nursing arts which pertain directly to Respiratory Therapy, including body mechanics, patient lifting and positioning. Fall, 1978.

208 Clinical Practicum I (3 credits). Experience in the hospital with patients, techniques, and equipment, with emphasis on use of medical gases. Fall, 1978.

209 General Pathology (3 credits). Human pathology as pertains to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic and lymphoreticular systems, and respiratory system. Fall, 1978.

213 Emergency Procedures in Respiratory Care (1 credit). Theory and technique necessary in emergency respiratory care. Fall, 1978.

223 Respiratory Therapy Theory II (2 credits). Principles, application, and equipment used in intermittent positive pressure breathing; Therapeutic techniques and applications of chest physiotherapy; In-depth study of hospital infection control including comparative studies of various sterilization and disinfectant techniques. Spring, 1979.

224 Respiratory Therapy Laboratory II (1 credit). Practice in the use of Intermittent Positive Pressure Breathing devices, and chest physiotherapy techniques. Spring, 1979.

225 Pulmonary Function Lecture (2 credits). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. Spring, 1979.

226 Pulmonary Function Laboratory (1 credit). Practice in pulmonary function testing and techniques. Spring, 1979.

227 Pulmonary Medicine I (1 credit). Study of ventilation, perfusion, compliance, resistance and pathophysiology of the lungs. Spring, 1979.

228 Clinical Practicum II (3 credits). Experience in the hospitals with patients, techniques, and equipment used in Intermittent Positive Pressure Breathing and chest physiotherapy. Spring, 1979.

Upper Division

303 Respiratory Therapy Theory III (2 credits). Theory and clinical application of mechanical ventilators including care and management of artificial airways. Fall, 1979.

304 Respiratory Therapy Laboratory III (1 credit). Practice using mechanical ventilators and suctioning devices. Fall, 1979.

305 Radiologic Studies of the Respiratory System (1 credit). Presentation and interpretation of respiratory radiographs. Fall, 1979.

307 Respiratory Cardiology (2 credits). Review of electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. Fall, 1979.

308 Clinical Practicum III (4 credits). Experience in the hospital with patients, techniques, and equipment as applied to mechanical ventilation and artificial airways. Fall, 1979.

323 Respiratory Therapy Theory IV (2 credits). Theory and application of techniques and equipment to neonatology and pediatrics. Spring, 1980.

324 Respiratory Therapy Laboratory IV (1 credit). Practice in the use of infant ventilators and specialty techniques pertaining to pediatrics. Spring, 1980.

327 Pulmonary Medicine II (3 credits). In-depth examination of pulmonary diseases, certain select cardiac diseases, and the clinical management of these diseases. Fall, 1979.

328 Clinical Practicum IV (6 credits). Experience in the hospital with any or all aspects of respiratory therapy. Spring, 1980.

398 Respiratory Therapy Professional Seminar (3 credits). Focuses on the ethics and medico-legal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and interdepartmental relations are considered. Spring, 1980.

H GENERAL HEALTH SCIENCES courses are described in Community and Environmental Health Section.

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH

INTRODUCTION

Studies in this department will consider general aspects of human health which are determined or are contingent on personal, social and environmental action or interaction. The assessment of personal health status, the relationships between personal and community health, the ecological perspective of personal health, the concept of community health, the providers of health care and the existing and potential health care delivery systems, are all important elements for consideration.

The Community and Environmental Health Scientist is needed to satisfy the demand for trained personnel in such areas as public health, environmental pollution control, food inspection, and in teaching and administration. These experts may find employment in federal, state and local agencies. There is also an increasing demand in private industry and in teaching institutions for individuals with this training.

REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR
Bachelor of Science

A. General Requirements (8 credits)
- English Composition 6

B. Area I Requirements (12 credits)
- Electives 12

C. Area II Requirements (12 credits)
- Psychology 3
- Sociology 3
- Electives 6

D. Science Requirements (66 credits)
- College Chemistry 9
- Elementary Organic Chemistry 6
- Math 115-116 10
- General Physics 8
- Botany/Zoology 8
- General Bacteriology 5
- Entomology 4
- Pathogenic Bacteriology 4
- Food Microbiology 4
- Bioecology 4
- Physiology 4

E. Health Science Requirements (18 credits)
- Environmental Management 6
- Public Health Field Training 8
- Public Health Administration 2
- Environmental Health Legislation 2

F. Electives (15 credits)

Suggested Electives
- Principles of Data Processing
- Principles of Economics
- Speech
- State and Local Government
- Federal Government
- General Parasitology

ENVIRONMENTAL HEALTH

(Suggested Program)
Bachelor of Science

FRESHMAN YEAR:	**1ST SEM.**	**2ND SEM.**
English Composition	3	3
College Chemistry	4	5
Math 115-116	5	5
Man and his Environment	3	—
Area I Electives	—	3
	15	16

SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
Botany (B 130)	4	—
Zoology (Z 130)	—	4
Elementary Organic Chemistry	3	3
Area I Electives	3	3
Area II Electives	3	6
Psychology	3	—
	16	16

JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
General Bacteriology	5	—
Pathogenic Bacteriology	—	4
Entomology	4	—
General Physics	4	4
Environmental Management	3	3
Area I Electives	—	3
Area II Electives	—	3
	16	17
Summer between Junior and Senior Year		
Public Health Field Training	8	—

SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Food Microbiology	4	—
Physiology Z401 or Z409	—	4
Public Health Administration	—	2
Environmental Health Legislation	2	—
Bioecology	4	—
Introduction to Sociology	—	3
Electives	6	6
	16	15

COURSES

EH ENVIRONMENTAL HEALTH

301-302 Environmental Management (3 credits). Designed to provide a working knowledge of environmental management practices with special emphasis on health. First semester: community environmental problems such as food and milk protection, drinking water, swimming pools, water pollution, and solid waste management are studied. Second semester: continuation of community problems related to air quality, radiation control, insect and rodent control and environmental health hazards, etc. Prerequisite: upper division standing.
350 Public Health Field Training (8 credits). Study of actual public health problems, code, compliance, recording procedures, degrading procedure, etc. Prerequisite: Environmental Management. Summer semester.
435 Environmental Health Legislation (2 credits). Designed to allow the student a working knowledge of environmental legislation, the implementation and enforcement of said laws and specific duties of the employee regarding selected sections of the law. Prerequisite: Consent of instructor. Fall semester.

COURSES

H HEALTH SCIENCES

100 Introduction to Allied Health (1 credit). This course is designed to introduce students to the 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. In addition to discussion by the various Allied Health faculty, guest speakers from the medical community will relate to the various health disciplines in the area. An important area of the course is orientation to Allied Health in the clinical facilities. Fall semester.
101 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.
109 Drugs: Use and Abuse (2 credits). An introductory course which deals with the basic medical, social and psychopharmacological considerations related to the use of therapeutic and nontherapeutic (recreational) drugs. Fall semester.
203 Introduction to Disease Conditions (3 credits). Introduction to the study of diseases, with emphasis on the terminology used in describing causes of diseases, diagnostic measures, operations, and pathology. Prerequisite: H 101. Spring semester.
205 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 or permission of instructor.

Upper Division

300 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. Either semester.
301 Principles of Pharmacotherapeutics (3 credits). Principles, practical uses and interactions of drugs and their relation to the diseases they treat. Prerequisites: C 107-108, 109-110, or equivalent, Z 111-112 or equivalent or permission of instructor. Either semester.
302 Health Delivery Systems (3 credits). Formal—informal health delivery systems will be studied. Organization, functional effectiveness and indications for change in the health care systems will be emphasized. Fall and Spring semesters.
304 Public Health Administration (2 credits). Organization, administration and functions of the various health agencies. Spring semester.
305 Sensitization for Role Change (2 credits). This seminar focuses on student experiences involving professional role confusion-conflict and change. Theoretical concepts are derived from these experiences and readings. Prerequisites: Departmental permission. Fall and Spring semesters.
310 Methods in Clinical Laboratory Science (3 credits). An interdisciplinary course designed to advance the student's understanding and utilization of basic laboratory procedures employed in a clinical primary care setting. The clinical significance of the tests in relationship to disease processes will be stressed. Lecture and clinical practice in a laboratory setting are provided to ensure that students learn accurate techniques and are clinically competent to perform and interpret selected laboratory procedures. Prerequisites: Pathophysiology and Departmental permission. Spring semester.
405 Medical Economics and Finance (3 credits). An introductory course to the economics and financing of health care and health care agencies. Spring and Fall semesters.
407 Legal Implications of Health Practice (3 credits). Legal concepts in relation to health care practice in varied health care settings. Spring semester.
493 Pre-Professional Internship (2 credits). The student spends three hours a week in a clinical setting under the direction of a preceptor who is a practicing professional. The student is required to keep a record of his experiences and report them during a weekly lecture-recitation seminar. Prerequisite: Senior standing, GPA above 3.0, recommendation of faculty advisor, consent of the dean.

DEPARTMENT OF NURSING

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 man. The associate degree prepared nurse functions primarily in a dependent role while the baccalaureate prepared nurse functions primarily in an independent role. Both levels of nursing personnel function as interdependent members of the health care team.

It is recognized that a number of graduates from diploma and associate degree programs in nursing do change career goals. Therefore, a baccalaureate level education program in nursing is

deemed essential to support this change in career goals. The baccalaureate nursing curriculum should encompass the knowledge and skills essential for baccalaureate level nursing practice as well as provide options for nursing electives.

LOWER-DIVISION ASSOCIATE DEGREE

DESCRIPTION

This program prepares individuals to function at a beginning level in giving direct care to patients. Nursing courses include theory and clinical practicum or clinical laboratory experiences. In the clinical component of each nursing course, one credit hour represents four hours of clinical and/or campus laboratory time. Each week there is an average number of twelve clinical practice hours during the freshman year and sixteen hours during the sophomore year. These hours may be scheduled days, afternoons or evenings. Clinical experience is provided mainly in hospital settings.

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. Practicum courses in nursing may not be repeated. Non-practicum courses in nursing and required general education courses 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.

PHILOSOPHY

The associate degree prepared nurse practices primarily in formally organized health care agencies providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum should include courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Identified basic health needs are used to select content for nursing courses. A planned program of clinical practicum and instruction 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 implemented by the faculty is essential in assisting students to meet their career goals.

ADMISSION

Admission for students entering the associate degree nursing program is limited to the Fall Semester. The number of students admitted each year is limited by the availability of personnel and clinical resources.

Requirements:

Applicants must meet the general university requirements as well as the stated requirement for the associate degree nursing program in one of the four categories listed below:

1. **High school graduates** will be considered for admission on the basis of ACT or SAT scores.

   ACT: A composite standard score of not less than 20, plus a 70th percentile rating.

   SAT: Total score of 888 and a G.P.A. of 2.75 or above at the completion of the 7th semester of high school.
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.
3. **Transfer students from other 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.
4. **Licensed Practical Nurses** may apply for advanced placement as sophomore nursing students by meeting the following criteria:
   a. submit current evidence of licensure
   b. submit records verifying previous education
   c. complete all freshman general education courses which are pre-requisites 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.
   d. pass the required ACT Proficiency exams
      1. Nursing Health Care
      2. Commonalities in Nursing I
      3. Commonalities in Nursing II
      4. Maternal Child Nursing Associate Degree Level
   e. Complete the course "Orientation to Associate Degree Nursing" during the fall semester in the year prior to the year of planned enrollment in the sophomore nursing courses.
   f. Pass the freshman level clinical performance evaluation.

All applicants admitted to the nursing program are required to:

1. Submit a report of chest x-ray to the Associate Degree Nursing Program by August 1 of the year in which they plan to enter the program.
2. Purchase a Boise State University student nursing uniform.
3. Submit $25.00 yearly as prepayment for student name pin, malpractice insurance, and standardized National League for Nursing examinations which are required of all students throughout 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 100.
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. L.P.N.'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 date of anticipated enrollment in nursing courses.

CURRICULUM

	Credits
A. General Education Requirements:	
English Composition (E101-102)	6
Chemistry (C107-108)	4
Anatomy and Physiology (Z111-112)	8
General Psychology (P101)	3
Nutrition (HE207)	3
Microbiology (B205)	4
Sociology (SO101)	3
Elective	3
	34

	Credits
B. Nursing Major:	
Basic Health Needs	12
N 140-141 (3)	
N 150-151 (3)	
N 160-161 (3)	
N 170-171 (3)	
Deviations from Basic	

Health Needs 16
N 220-221 (4)
N 230-231 (4)
N 240-241 (4)
N 250-251 (4)
Nursing Seminar 2
N 280-290
30 Total

SAMPLE PROGRAM FOR A FULL-TIME NURSING STUDENT

Freshman Year

1st Semester

	Credits
Chemistry* (C107-108)	4
Nutrition* (HE 207)	3
Human Anatomy & Physiology* N.B. (Z111)	4
Basic Health Needs*	
N 140-141	3
N 150-151 or N 160-161	3
or N 170-171	
	17

2nd Semester

	Credits
English (E101)	3
Psychology* (P101)	3
Human Anatomy & Physiology* (Z112)	4
Basic Health Needs*	6
N 150-151 and/or N 160-161 and/or 170-171	
	16

*Courses which must be completed before entering sophomore year nursing courses.

N.B. For students who have successfully completed the 5 credit Anatomy and Physiology course prior to 1977, these credits will be accepted in lieu of the 8 credit Anatomy and Physiology sequence until Fall, 1979. After that date, 8 credits of Anatomy and Physiology will be required of all students.

Sophomore Year

1st Semester

	Credits
Microbiology (B205)	4
Sociology (SO101)	3
Deviations from Basic Health	8
N 220-221 and/or N 230-231	
N 240-241 and/or N 250-251	
Nursing Seminar (N 280)	1
	16

2nd Semester

	Credits
English (E102)	3
Elective	3
Deviations from Basic Health	8
N 220-221 and/or N 230-231	
N 240-241 and/or N 250-251	
Nursing Seminar (N290)	1
	15

THE ASSOCIATE OF SCIENCE DEGREE IN NURSING MAY BE COMPLETED IN FOUR SEMESTER BY TAKING 15-17 CREDITS PER SEMESTER. ALTERNATIVELY, STUDENTS WHO CHOOSE TO COMPLETE A SUBSTANTIAL PORTION OF THE GENERAL EDUCATION REQUIREMENTS, PRIOR TO ENROLLMENT IN NURSING COURSES, ARE ADVISED TO COMPLETE THE REQUIRED FRESHMAN GENERAL EDUCATION COURSES AS LISTED UNDER CURRICULUM BEFORE PROCEEDING WITH THE REQUIRED SOPHOMORE GENERAL EDUCATION COURSES.

COURSES

N NURSING

114 Orientation to Associate Degree Nursing for Advanced Placement Students (1 credit). Designed as a part of the advanced placement program enabling students (who have successfully passed the required challenge exams) to receive credit for one to two semesters of nursing on the basis of previous nursing education and/or experience. Introduces students to nursing process as the component for nursing care planning used in the AD Nursing curriculum. Assists in understanding roles in nursing and in initiating role changes necessary for working at a different level. Pre-requisite for admission to advanced placement in sophomore nursing courses. Spring and Fall semester.

140-141 Introduction to Basic Health Needs 2 credit lecture, 1 credit lab, 8 week unit. Introduces nursing process and seven basic health needs for oxygen, nutrition, elimination, activity, mental health, safety and comfort, as a basis for providing nursing care. Opportunity is provided to develop beginning skills. Prerequisite: Admission to the Nursing major. Fall semester.

150-151, 160-161, 170-171 Basic Health Needs 2 credit lecture, 1 credit lab, 8 week unit. Nursing process is utilized to meet basic health needs as related to health care of persons of all ages in the community, in hospitals, and health agencies. Opportunity is provided to develop skills in providing nursing care. Prerequisite: N 140-141. May be taken in any sequence, both semesters.

N 201 Nursing Practicum. 2 credits. This elective course is offered to provide a concentrated block of clinical experiences in the work situation in health agencies for sophomore nursing students and to extend sophomore students' learning experiences in community health agencies on an individual basis. May include home visits. Prerequisite: Sophomore standing in nursing program. Offered both semesters. Students may take practicum one time only.

220-221 Deviations from Basic Health: (related to mental health). 2 credit lecture, 2 credit lab, 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on mental health—mental illness considering persons of all ages. The student has the opportunity to develop skills in the nursing care of patients in the mental health unit and community health agencies. Prerequisites: required general education and nursing courses. Offered both semesters.

230-231 Deviations from Basic Health: (related to oxygen). 2 credit lecture, 2 credit lab, 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on oxygen needs for persons of all ages. The student has the opportunity to develop skills in the medical-surgical areas with specific reference to psychophysiological assessment and nursing care planning for patients with oxygen deficiency. Prerequisites: required general education and nursing courses. Offered both semesters.

240-241 Deviations from Basic Health (related to nutrition and elimination). 2 credit lecture, 2 credit lab. Utilizes nursing processes to present deviations from basic health with emphasis on the basic need for nutrition and elimination considering 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 nursing courses. Offered both semesters.

250-251 Deviations from Basic Health: (related to activity). 2 credit lecture, 2 credit lab, 8 week unit. Utilizes present deviations from basic health with emphasis on the basic need for activity considering persons of all ages. The student has the opportunity to develop skills in nursing care of patients in the medical-surgical and rehabilitation areas. Prerequisites: required general education and nursing courses. Offered both semesters.

280-290 Nursing Seminar: (1 credit per semester). Philosophy of health care and the role of the graduate as a registered nurse. Legal implications and other factors affecting nursing practice are discussed. Prerequisites: required general education and nursing courses. N 280-Fall semester; N 290-Spring Semester.

UPPER-DIVISION BACCALAUREATE DEGREE

DESCRIPTION

This program has two major purposes:

1. To enable registered nurses to earn the baccalaureate degree with a major in nursing, thereby meeting needs of consumers for baccalaureate-prepared nurses in the health care delivery system.
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. In working to satisfy degree requirements, the student completes study in an option most likely to meet his/her career goals. Specific offerings include Acute Care Nursing, Family Nurse Practice, or Leadership in Nursing. A combined option in Acute Care and Leadership is offered, and other electives may be identified by the student in cooperation with a faculty member and pursued through independent study.

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. Students completing the Family Nurse Practice option will be eligible to apply for certification as a Nurse

Practitioner to the State Board of Nursing. The B.S.N. program is approved by the Idaho State Board of Nursing and the initial accreditation visit by the National League for Nursing was made in the Spring of 1978.

The student who carries 16-18 credits per semester should be able to complete the program in two years. In order to protect their enrollment in the baccalaureate nursing program, part-time students are subject to some regulations:

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 fall and spring semesters unless a waiver has been granted for a specific period of time and, 3) they must complete all nursing courses in the senior area of concentration within one continuous year unless a waiver has been granted. These regulations are designed to protect the student from losing credits as a result of changes in curriculum and/or academic regulations.

PROGRESSION AND GRADUATION

Enrollment is regulated according to available faculty, clinical facilities and other resources. Students are asked to declare their intended area of concentration upon application. In order to progress through the program and qualify for the baccalaureate degree in nursing, students must not only meet university requirements for the baccalaureate degree but must also complete all required nursing and support courses with a grade of C or better and maintain the minimum cumulative GPA of 2.75. Practicum courses in nursing may not be repeated. Non-practicum courses in nursing and the required support courses may be repeated once only.

PHILOSOPHY OF THE BSN PROGRAM

The baccalaureate-prepared nurse promotes health and also provides preventive, curative, supportive and restorative health care to individuals, families, and groups in a wide variety of social settings by utilizing the nursing process. Nursing at this level is a complex interpersonal process directed towards identifying and meeting health care needs and making decisions about health care delivery. These processes require the nurse to assess and manage complex communication with other health care workers as well as with individuals, families, and groups being served.

The baccalaureate nursing curriculum has an interdisciplinary base in the humanities, natural and social sciences as well as in nursing knowledge. These disciplines contribute to the concepts utilized in professional nursing practice. In recognition of the fact that students are registered nurses who have changed their career goals, the nursing curriculum has two components: 1) a core of nursing and support courses which prepare the nurse for baccalaureate level nursing practice; and 2) an option to concentrate nursing electives in a selected area of study.

With this type of curriculum we are servicing a student population whose educational needs are not specifically addressed by any other institution of higher education in the state. We believe therefore, that our program has the potential for significantly improving health care services in this state.

ADMISSION AND APPLICATION

To qualify for admission the candidate must:

1. Possess current licensure as a registered nurse and have obtained Idaho licensure prior to enrollment in upper division nursing courses.
2. Have maintained a minimum G.P.A. of 2.75 in 36-40 semester credits in general education courses, including the following:
   a. 3 credits each—Microbiology, nutrition
   b. 6 credits each—English Composition, humanities (Area I) and behavioral sciences (Area II)
   c. 6-8 credits—Chemistry (including both organic and inorganic with bio-chemistry also recommended),
   d. 6-8 credits—Human anatomy and physiology

   For students who have successfully completed the 5 credit Anatomy and Physiology course (Z107) prior to 1977 these credits will be accepted in lieu of the 8 credit sequence in Anatomy and Physiology until the fall semester of 1979. After that date, 6-8 credits of Anatomy and Physiology will be required of all students.
3. Have achieved a minimum 2.75 in 30 semester credits in lower division nursing by:
   a. Having graduated from a NLN accredited associate degree program,

      OR

   b. Earning these academic credits by taking and passing the three tests, Differences in Nursing Care, Areas I, II and III as provided under the Proficiency Examination Program (PEP) conducted by the American College Testing Program. Students may secure information about the tests and the necessary application forms through the Counseling and Testing Center located in the main library. Tests are given in Boise, usually four times a year. Students should obtain the test schedule and make arrangements for testing in time for the test results to be considered with other admission data.
4. Although a specified period of work experience is not required, applicants are strongly advised to have at least one year of nursing practice within the two years preceding anticipated enrollment.

To apply for admission the candidate must:

1. Request from the Admission Office at Boise State University an application form to the University (if not previously enrolled there) and the special application form for the B.S.N. program.
2. Complete both forms and return to the Admissions Office prior to March 1. Transcripts must also be submitted by this deadline. Since these may take from 6 to 9 weeks for processing, students are advised to request them in sufficient time to insure their receipt at B.S.U. by the March 1 deadline. Graduates of diploma or non-NLN accredited associate degree programs must also have established their lower division nursing credits by successfully completing the PEP battery of examinations given through the Testing and Counseling Center.

   Applications are reviewed during March and April. Candidates will be notified early in May. Successful candidates are asked to return a form accepting enrollment. Failure to do this by the indicated date will result in removal of the candidate's name from the listing of accepted students.
3. Incoming students are advised to obtain professional malpractice insurance before the beginning of the semester in which they plan their first enrollment in a nursing course with a clinical practicum. This insurance must be in force at the time of enrollment in any nursing course with a clinical practicum. Students must also be prepared to provide their own transportation to clinical agencies when enrolled in nursing practicums.

Brochures and further information can be obtained by writing to:
Baccalaureate Program in Nursing
Boise State University
1910 University Drive
Boise, ID 83725

THE CURRICULUM

The nursing major is divided into two portions—a 16 credit core curriculum taken by all students and a 16 credit elective option. The three options are Acute Care Nursing, Family Nurse Practice, and Leadership in Nursing. Students may also choose to combine the options of Acute Care and Leadership by selecting a total of 16 credits of course work from these two options. There are also 12 credits of required support courses in health sciences and management.

Students take most of the core courses in nursing and the required support courses during the junior year. For the senior year, they complete the nursing core and required support courses, and

take the 16 credit option which they have chosen as their nursing elective. Remaining credits for the degree are given over to general education electives.

A sample program is illustrated below:

	1ST SEM.	2ND SEM.
JUNIOR YEAR		
* N306-307 Professional Interactions	3	—
* N310-313 Community Health Nursing	4	—
** H300 Pathophysiology	4	—
** H302 Health Delivery Systems	3	—
Electives	3	6
* N316-317 Health Assessment	—	3
* N324-325 Critical Care Nursing	—	3
* MG301 Principles of Management	—	3
** H301 Principles of Pharmacotherapeutics	—	3
TOTALS	17	18
SENIOR YEAR		
* N490 Nursing Research	3	—
N--- Nursing Electives (individual option)	8 or 9	7 or 8
Electives	3	6
** H305 Role Sensitization	—	2
TOTALS	14-15	15-16

*Core course in Nursing Major
**Required Support Course

COURSES

N NURSING

Upper Division

300 Concepts and Skills of Community Health Nursing (3 credits). The primary focus of this course in community health nursing is the use of nursing processes in family and community settings with emphasis on the psychosocial aspect of individual/family/community health. The course is designed to assist nurses in application of course content to daily work in community health settings as a means of improving the quality of health services. Prerequisites: The student must be a registered nurse with access to a community health setting or permission of the instructor. This course is offered regularly by correspondence, but may be offered as a regular semester offering on demand. Either semester.

306 Professional Interactions (2 credits). Theory and simulated laboratory experiences with video-taping, designed to enhance communication skills essential for nursing practice. First half directed toward one-to-one communication; second half focuses on group process and communications involving more than two individuals in common practice settings. Fall semester.

307 Professional Interactions Practicum (1 credit). To be taken with N306. Fall semester.

310 Community Health Nursing (2 credits). Primary focus on use of nursing process in family and community settings with emphasis on psycho-social aspects of individual/family/community group health. Designed to assist nurses in application of course content to nursing practice in community health settings as a means of improving the quality of health services. Community settings include homes, clinics or out-patient departments, group classes and elementary through high school nursing services. Prerequisite or concurrent enrollment in N306-307. Fall/Spring semesters.

313 Community Health Practicum (2 credits). To be taken with N310. Fall/Spring semesters.

316 Health Assessment (1 credit). Principles and skills of obtaining health and developmental history, and of performing a general physical/psycho-social assessment of individuals. Practice in using assessment tools and in differentiating normal from abnormal findings. To be taken with N324-325. Prerequisites or concurrent enrollment in N306-307 and H300. Fall/Spring semesters.

317 Health Assessment Practicum (2 credits). To be taken with N316. Fall/Spring semesters.

324 Critical Care Nursing (1 credit). Application of nursing process in care of hospitalized patients in severe psycho-physiological stress who face major changes in life style, including the possibility of death. Encompasses counseling patients' families, and planning with other health care workers for coordination and continuity of patients' care. To be taken with N316-317. Prerequisites or concurrent enrollment in N306-307 and H300. Fall/Spring semesters.

325 Critical Care Practicum (2 credits). To be taken with N324. Fall/Spring semesters.

SENIOR YEAR

Option in Acute Care Nursing

422 Nursing in Intensive Care Situations (2 credits). Nursing care of adults and children having major surgery, serious trauma, or complex medical problems such as acute respiratory, circulatory, renal, orthopedic, metabolic and neurologic disorders. In addition to identifying and applying recent research findings, students also develop a knowledge and skill base for application of nursing process to patients and their families. Prerequisite: Completion of junior core. Fall semester.

423 Practicum: Nursing in Intensive Care Situations (2 credits). To be taken concurrently with N422. Fall semester.

424 Cardiovascular Nursing (2 credits). Nursing care of individuals with selected cardiovascular disorders and resultant complications. Application of nursing process to patients and their families. In addition to identifying and applying recent research findings, students also develop technical skills in use of equipment and procedures specific to these patients and their families. Prerequisite: Completion of junior core. Fall semester.

425 Practicum: Cardiovascular Nursing (2 credits). To be taken concurrently with N424. Fall semester.

426 Nursing in Emergency/Trauma Situations (2 credits). Nursing care of individuals in hospitals or other emergency facilities who have acute, life-threatening conditions. Application of nursing process to these patients and their families, based upon knowledge of the interrelatedness of body systems and previous learnings in intensive and cardiovascular nursing. Prerequisites: N422-423, N424-425. Spring semester.

N427 Practicum: Nursing in Emergency/Trauma Situations (2 credits). To be taken concurrently with N426. Spring semester.

428 Nursing in High-Risk Perinatal Situations (2 credits). Nursing process applied to acutely ill neonatal infants and their families. Identification and application of relevant research and experience in use of equipment and procedures specific to this patient population. Identification and follow-up in community settings of high-risk mothers and families. Prerequisites: Junior core and support courses. Spring semester.

429 Practicum: Nursing in High-Risk Perinatal Situations (2 credits). To be taken concurrently with N428. Spring semester.

Option in Nursing Leadership

440 Leadership in Clinical Nursing I (1 credit). Application of nursing process to direct patient care in a single health care setting. Followed by experience in managing nursing care for a group of patients in that setting with emphasis upon selected aspects of the beginning-level leadership role such as crisis intervention, collegial relationships, self-awareness and communication. Prerequisite: Completion of junior core. Fall Semester, first 8 weeks.

441 Practicum: Leadership in Clinical Nursing I (2 credits). To be taken concurrently with N440. Fall Semester, first 8 weeks.

442 Leadership in Clinical Nursing II (1 credit). Application of nursing process to direct patient care in single health care setting. Followed by experience in managing nursing care for several groups of patients in that setting with emphasis upon selected aspects of the mid-level leadership role, such as performance appraisals, interdepartmental relationships, and coordination of nursing activities. Prerequisite: N440-441 or permission of instructor. Fall semester, second 8 weeks.

443 Practicum: Leadership in Clinical Nursing II (2 credits). To be taken concurrently with N442. Fall semester, second 8 weeks.

444 Leadership in Clinical Nursing III (1 credit). Application of nursing process to direct patient care in multiple areas within single health care agency. Followed by selected experiences in managing nursing care for groups of patients in multiple areas within that agency, emphasizing selected aspects of the top-level leadership role such as quality assurance, allocation of resources, coping with and managing change, and staff development. Prerequisite: N442-443 or permission of instructor. Spring semester, first 8 weeks.

445 Practicum: Leadership in Clinical Nursing III (2 credits). To be taken concurrently with N444. Spring semester, first 8 weeks.

446 Nursing and the Political System (3 credits). Study of nursing's political relationships to overall health care delivery systems. Impact of socio-economic influences on health care and nursing practice. Identification of formal and informal power arrangements which affect professional nursing practice. Prerequisite: Completion of junior core. Fall semester.

447 Practicum: Leadership in Professional Nursing Practice (4 credits). Clinical practice in a nursing leadership role chosen jointly by student and faculty. Student has opportunity to synthesize previous learnings, practice leadership styles and skills, utilize personal philosophy of nursing practice and evaluate own performance. Discussion and application of research relevant to nursing leadership. Prerequisites: N444-445 and N446. Spring semester, second 8 weeks.

Option in Family Nurse Practice

462 Women's and Children's Health Care (2 credits). Family oriented, primary health care of women and children. Experience in assessing and managing their health care, placing major emphasis upon normal physical and psycho-social processes. Recognition of serious health care problems and appropriate referral. Prerequisite: Completion of junior core. Fall Semester.

463 Practicum: Women's and Children's Health Care (2 credits). To be taken concurrently with N462. Fall semester.

N464 Acute Ambulatory and Emergency/Trauma Care (2 credits). Nature and scope of health care services given to individuals and families in emergency/trauma situations in hospital and non-hospital situations, based upon knowledge of interrelatedness of body systems. Assessment and management of uncomplicated trauma. Prerequisite: Completion of junior core. Fall semester.

465 Practicum: Acute Ambulatory and Emergency/Trauma Care (2 credits). To be taken concurrently with N464. Fall semester.

466 Family Nurse Practice in Adult Health Care (2 credits). Concepts and skills of primary health care for adults, emphasizing prevention of illness, promotion of health, and early detection of health problems. Includes assessment and management of uncomplicated acute illnesses, common chronic illnesses and health problems associated with aging. Practice in assisting families to cope with stresses caused by illness. Prerequisites: N462-463, N464-465. Spring semester, first 8 weeks.

467 Practicum: Family Nurse Practice in Adult Health Care (2 credits). To be taken concurrently with N466. Spring semester, first 8 weeks.

469 Practicum: Family Nurse Practice (4 credits). Intensive practice allowing students to synthesize knowledge, skills and philosophy of family nurse practice. Conducted as preceptorship with family caseload in rural or urban setting. Student assumes increasing responsibility for decision-making in provision of care, under supervision of preceptor and faculty. Prerequisite: N 466-467. Spring semester, last 8 weeks.

Course Available to All Options

490 Overview of Nursing Research (3 credits). Focuses on reading, understanding and evaluating nursing and other health care research for the purpose of applying research find-

ings to professional nursing practice. Prerequisite: completion of junior core in nursing and support courses or permission of instructor. Fall semester.

H GENERAL HEALTH SCIENCE courses are described in Community and Environmental Health section.

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 and who have declared a major in: pre-medicine, pre-dentistry, pre-dental hygiene, pre-occupational therapy, pre-optometry, pre-pharmacy, pre-physical therapy, pre-veterinary medicine, etc. In view of the specialized nature of each program, each student should seek counsel regularly from the particular advisor who has been designated for his or her major field of interest.

Students who will be making application for professional school should be aware that certain materials must be submitted and admissions examinations taken before deadlines which are established by the several professions. Medical College Admission Testing, Dental Admission Testing, Dental 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. The deadlines change from year to year. It is the responsibility of the student to ascertain from his/her advisor the specific deadlines which pertain to the application process, admission testing, and the fees involved 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.

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.

REQUIREMENTS FOR PRE-MEDICAL AND PRE-DENTAL STUDIES*

I. Biology Option
- 1. General University and Baccalaureate Degree Requirements to include 30
  - English Composition 6
  - General Psychology 3
- 2. Biology Requirements 36
  - Zoology 4
  - Botany 4
  - Cell Biology 3
  - General Bacteriology 5
  - Comparative Anatomy 4
  - Vertebrate Embryology 4
  - Physiology Z401 or Z409 4
  - Genetics 4
  - Vertebrate Histology 4
- 3. Chemistry Requirements 23
  - College Chemistry 9
  - Organic Chemistry 10
  - Biochemistry 4
- 4. Physics and Mathematics 18
  - General Physics 8
  - Math 111-204 10
  - Total for Areas I-IV 107
  - **Electives 21

II. Chemistry Option
- 1. General University and Baccalaureate Degree Requirements to include 30
  - English Composition 6
  - General Psychology 3
- 2. Biology Requirements 22-23
  - Zoology 4
  - Botany 4
  - Cell Biology 3
  - Comparative Anatomy 4
  - Genetics 3-4
  - Vertebrate Embryology 4
- 3. Chemistry Requirements 39-40
  - College Chemistry 9
  - Organic Chemistry 10
  - Bio- or Analytical Chemistry 4-5
  - Physical Chemistry 8
  - Instrumental Analysis 4
  - Chemistry Independent Studies 2
  - Chemistry Seminar 2
- 4. Physics and Mathematics 26
  - Math 111-204 10
  - Math 205-206 8
  - General Physics 8
  - Total for Areas I-IV 117-119
  - **Electives 9-11

*Other Pre-Professional Studies majors should consult the faculty advisor designated for the particular field of interest.
**Additional upper division credits so that upper division credits total at least 40.

BIOLOGY OPTION

(Suggested Programs)

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
College Chemistry	4	5
Math 111-204	5	5
Area II Courses	3	3
	15	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Botany	4	—
Zoology	—	4
Organic Chemistry	5	5
General Psychology	3	—
Area I Courses	3	6
	15	15

JUNIOR YEAR	1ST SEM.	2ND SEM.
Cell Biology	3	—
Comparative Anatomy	4	—
Genetics	—	4
Vertebrate Embryology	—	4
Biochemistry	—	4
General Physics	4	4
Area III Courses	5	—
	16	16

SENIOR YEAR:	1ST SEM.	2ND SEM.
General Bacteriology	5	—
Vertebrate Histology	4	—
Physiology Z401 or Z409	—	4
Area II Electives	3	—
Area I Course	—	3
Electives	3-5	9
	15-17	16

CHEMISTRY OPTION

FRESHMAN YEAR	1ST SEM.	2ND SEM.
English Composition	3	3
College Chemistry	4	5
Mathematics 111-204	5	5
Area II Courses	3	3
	15	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Botany	4	—
Zoology	—	4
Organic Chemistry	5	5
Math 205-206	4	4
Area I Courses	3	3
	16	16

JUNIOR YEAR:	1ST SEM.	2ND SEM.
Cell Biology	3	—
Comparative Anatomy	—	4
General Physics	4	4
General Genetics	—	3-4
Bio- or Analytical Chemistry	4-5	—
Area I Courses	3	3
	14-15	14-15

SENIOR YEAR	1ST SEM.	2ND SEM.
Physical Chemistry	4	4
Instrumental Analysis	4	—
Chemistry Independent Study	1	1
General Psychology	3	—
Chemistry Seminar	1	1
Area II Courses	—	3
Electives	3	4-5
	16	13-14

PRE-DENTAL HYGIENE

This curriculum is designed for students interested in a professional career in dental hygiene. This particular program is designed for students planning to enroll in the dental hygiene program as sophomore or junior students at Idaho State University. The dental hygiene curriculum leads to either a Bachelor of Science or Bachelor of Arts Degree in Dental Hygiene. Those students who plan to enroll are advised to see their advisor and pattern their pre-dental hygiene curriculum after that of the specific school to which they expect to transfer.

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English	3	3
Anatomy and Physiology	4	4
Chemistry (107, 109)	3	3
Chemistry (108,110)	1	2
Math (111 or 115)*	5	—
Introduction to Allied Health	1	—
Area I Elective	—	3
	17	15

SOPHOMORE YEAR	1ST SEM.	2ND SEM.
Speech (111)	3	—
Zoology (130)	4	—
Biology (225)	—	4
Sociology	3	—
Psychology	—	3
Microbiology (205)	4	—
Area I Elective**	—	3
Nutrition	3	—
Math*	—	3
	17	13

*If B.A. is desired, take Area I elective.
**If B.A. is desired, take 2 Area II electives (6 credits) second semester.

PRE-OPTOMETRIC

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 and colleges of optometry.

All of the schools and colleges require additional courses for admittance, but each optometry school has its own set of requirements. The student should write to the optometry school of his or her choice for a list of specific courses.

Although a minimum of two years of preoptometric study is required, most students accepted by a school or college of optometry have completed three years in an undergraduate college. A large percentage of students accepted by the schools and colleges of optometry have earned a bachelor's degree.

The requirements for admission to the schools and colleges of optometry vary. However, all optometric schools and colleges require **at least** two years of preoptometric study which should include:

CURRICULUM

General Biology or Zoology	1 or 2 semesters
College Chemistry	2 semesters
General Physics	2 semesters
English	1 to 2 semesters
College Mathematics	2 semesters

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-PHYSICAL THERAPY

(Suggested Curriculum)

This curriculum is designed for students interested in a professional career in physical therapy.

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English	3	3
Anatomy & Physiology	4	4
Math 111	5	—
Psychology	—	3
Chemistry Lecture (131)	3	—
Chemistry Lab (132)	1	—

Area I or II Elective	—	3
Chemistry Lecture (133)	—	3
Chemistry Lab. (134)	—	2
	16	18

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

A shared curriculum agreement exists between the Washington State University School of Veterinary Medicine and the State of Idaho under which fifteen 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 and advanced test biology section of the Graduate Record Examination; and must record a minimum of 300 hours of veterinary medical exposure while employed by or doing volunteer work for a graduate veterinarian.

Requirements for Pre-Veterinary Medical Studies

1. General College and Baccalaureate Degree Requirements 30
   - English Composition 6
   - Area I Requirements 12
   - Area II Requirements 12
2. Biology Requirements 19-20
   - General Botany 4
   - General Zoology 4
   - Cell Biology 3
   - Bacteriology 5
   - Genetics 3-4
3. Chemistry Requirements 19
   - College Chemistry 9
   - Organic Chemistry 10
4. Mathematics & Physics Requirements 18
   - Mathematics 111-204 10
   - General Physics 8
5. Nutrition 3
6. Electives Needed 38-39

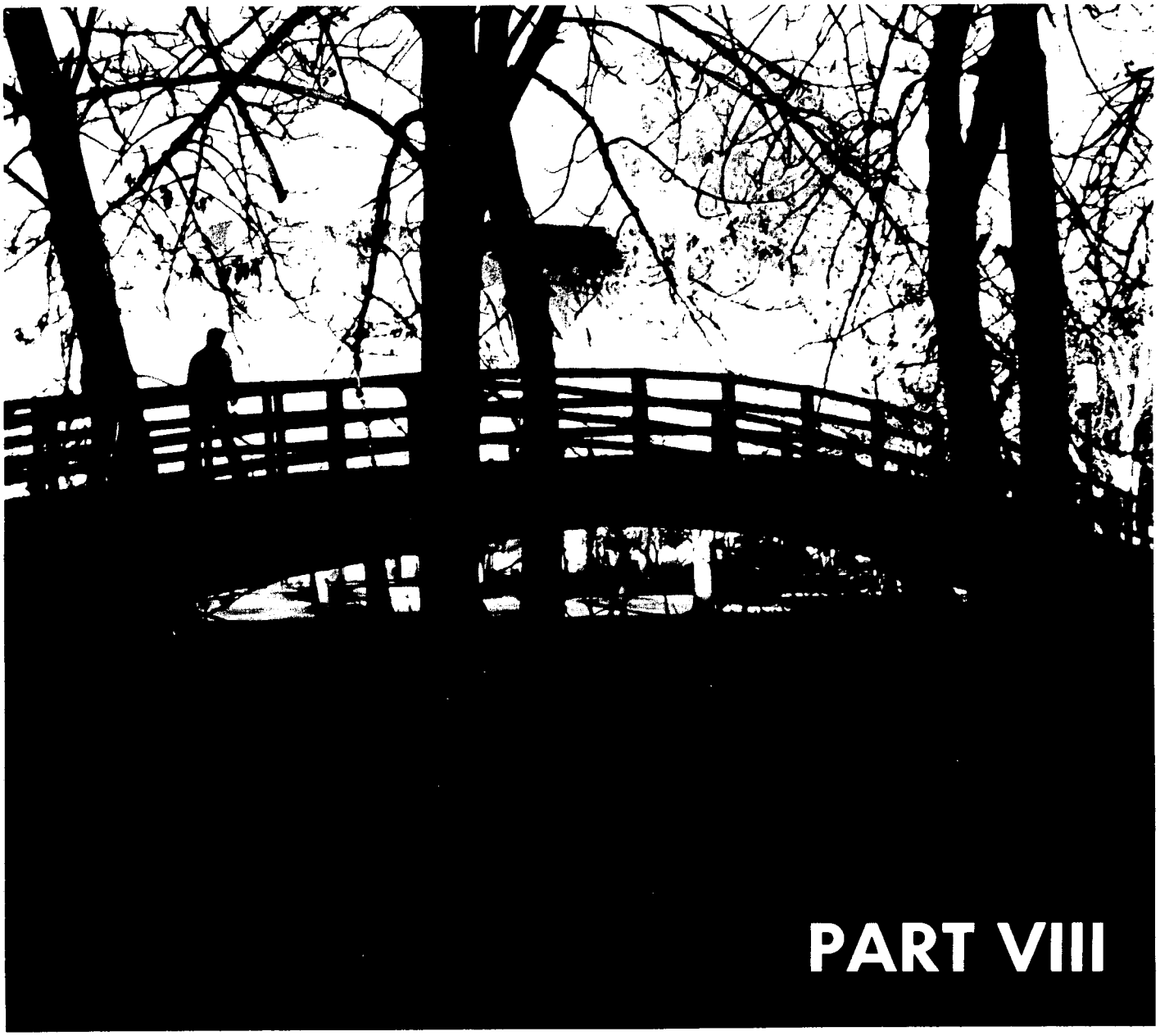
SUGGESTED PROGRAM

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition	3	3
College Chemistry	4	5
Mathematics 111-204	5	5
Area I/II Electives	3	3
	15	16
SOPHOMORE YEAR:	**1ST SEM.**	**2ND SEM.**
General Botany/Zoology	4	4
Organic Chemistry	5	5
Nutrition	3	—
Area I/II Electives	3	6
	15	15
JUNIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Cell Biology	3	—
Genetics	—	3-4
General Physics	4	4
Elective	4	4
Area I/II Electives	6	3
	17	14-15
SENIOR YEAR:	**1ST SEM.**	**2ND SEM.**
Bacteriology	5	—
Electives	12	12
	17	18

COURSES

H HEALTH SCIENCES

For H Health Sciences courses see Community and Environmental Health Section.



PART VIII

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 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 four areas of emphasis: (1) Curriculum and Instruction; (2) Content Enrichment; (3) Reading; (4) Special Education. Specifics for each emphasis are included within the School of Education section of the Bulletin.

The Master of Arts/Science in Secondary Education includes an emphasis in each of the following areas: (1) Art; (2) Business Education; (3) Chemistry; (4) English; (5) Earth Science; (6) History; (7) Mathematics; and (8) Music. Specifics for each emphasis are included within the subject sections of the Bulletin.

The Master of Public Administration degree program has 3 areas of emphasis: (1) General, (2) Human Services, and (3) Criminal Justice.

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 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. Students interested in graduate work in business are directed to page 100, education students should see page 117, and public administration students should see page 74.
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 students 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 constitutues 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 avaiable 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 sequence graded as a single unit (like TE-570, 571) will be counted as one course, one repeat, for the purposes of this policy. 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 advisor 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 interinstitutional 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. Exception 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 5) 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. The final copy of the thesis must be reviewed by the student's supervisory committee and submitted to the Dean of the Graduate School at least three (3) weeks before commencement.

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-instituional 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. A student is not eligible to apply for the final examination until he has been admitted to candidacy (filed the candidacy and graduation form).

Failure in the examination will be considered terminal unless the supervisory committee recommends, and the Dean of the Graduate School approves, a re-examination. Only one re-examination is permitted. At least three months must elapse before a re-examination may be scheduled.

The requirement of a final examination in defense of any thesis or project is optional with the department or interdisciplinary unit concerned. When required, a final examination in defense of the thesis or project must be conducted at least three weeks before commencement. On a final oral 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 WITH CONTENT ENRICHMENT

The curriculum in Elementary Education with Content Enrichment is essentially the same as the curriculum 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. Departments in The School of Arts and Sciences offer graduate courses designed especially for students in the Elementary Education programs.

LIMITATIONS ON STUDENT COURSE LOADS

Graduate students seeking to take courses for graduate credit only in the evening or only in the early morning and in the evening may not take more than a total of two such courses in any one semester or summer session. Waiver of this rule may be granted by the Dean of the Graduate School with the explicit recommendation of the dean of the school responsible for the student's program.

COURSE NUMBERING SYSTEM

Courses numbered 500 and above are intended primarily for graduate students. The number designates the educational level of the typical student in the class *i.e. he has graduated from college.

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

A department or school which uses g and G designations will use them to 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.
3. Graduate students enrolled in G or g courses will be required to do extra work in order to receive graduate credit for the courses.

APPLICATION FOR GRADUATE DEGREE

The last step in completing a graduate program consists of arranging for final record checking. To accomplish this, one completes the form entitled *Application for Graduate Degree* which can be obtained from the Graduate Admissions Office or from the Dean of Business or Education. The Bookstore will notify the student how to order the cap and gown for the graduation ceremony.

UNIVERSITY-WIDE NUMBERING OF GRADUATE OFFERINGS:

580-589	Selected topics
590	Practicum
591	Project
592	Colloquim
593	Research & Thesis
594	Extended Conference or Workshop (Graded A-F)
595	Reading and Conference
596	Directed Research
597	Special Topics
598	Seminar
599	Short-Term Conference or Workshop (Graded Pass or Fail). This number is available in any semester or session for courses meeting three (3) weeks or less.

Course listings and descriptions for graduate and undergraduate courses available for graduate credit can be found in the departmental listings of courses.

PART IX

AREA VO-TECH SCHOOL

Director: Gilbert McDonald Miller
Assistant Director: Glen Linder

Vocational Counselors: Callies, Quinowski, Trimble
Adult Basic Education Coordinator: Huff

Adult Program Coordinator: Rodgers
State Fire Trainer: Tyree

VOCATIONAL TECHNICAL SCHOOL

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.

ADMISSIONS 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.

DEPARTMENT OF HEALTH OCCUPATIONS

Department Head: Willa Chaffee
Dental Assisting: Harris, MacInnis
Operating Room 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 and the American Dental Assistant Association. Students are eligible to take the Certification Examination upon completion of this course.

SUBJECT COURSE NO.	AND TITLE	CREDITS FALL	SPRING
DA-101-102	Dental Laboratory	4	3
DA-106	Dental Assisting Clinical Experience	3	3
DA-108	Dental Office Management	—	2
DA-109	Public Health and Dental Hygiene	2	—
DA-111-112	Communication Skills	3	3
DA-151-152	Dental Theory	4	3
DA-262	Occupational Relationships	—	2
CM-111	Fundamentals of Speech	3	—
PE-105	First Aid (Elective)	2	—
		20	14

COURSES

DA DENTAL ASSISTING

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, and exposing and processing dental X-rays. Taken concurrently with DA 151-152. Fourteen clock hours per week. Fall semester. Minimum of six hours a week. Spring semester.

106 Dental Assisting Clinical Experience (3 credits). Supervised chairside assisting experience in the private dental offices and dental clinics. Sixteen clock hours a week. Spring semester.

108 Dental Office Management (2 credits). The fundamentals of business practices as related to dentistry including bookkeeping, appointment control, supply control, business correspondence, as well as credit and collection procedures. Two clock hours per week.

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.

111, 112 Communication Skills (3 credits). To manage symbols and discover meaning, candidly, 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 two semester course designed to maximize personal involvement.

151-152 Dental Theory (4-3 credits). Comprehensive introduction to basic theory relating to dental assisting. The course includes lecture time in ethics, professional relationships, patient education, dental anatomy, terminology, charting, related sciences, and dental specialty fields. Taken concurrently with DA 101-102. Six clock hours per week. Fall semester. Six clock hours per week. Spring semester.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

OPERATING ROOM TECHNOLOGY
9 Month Program

The Operating Room Technology Program, in cooperation with St. Alphonsus Hospital is approximately nine months in length and consists of daily practice in surgery and classroom instruction. A certificate will be awarded upon graduation from the course. Students are then eligible to take a certifying exam, which if passed, qualifies them as Certified Operating Room Technicians recognized by the Association of Operating Room Technicians and the Association of Operating Room Nurses and the American College of Surgeons.

This Program has been accredited by the Joint Review Committee on Education for the Operating Room Technician, sponsored by American Medical Association Council on Allied Health Education.

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, instruction in the needs of humans in surgery, with emphasis on the operating room 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 to practice as Licensed Practical Nurses.

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 remotivation 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: Jack Ogden
Air Conditioning: Tucker
Industrial Plant Maintenance: Allen
Machine Shop: Baggerly, Clarkson
Utility Lineman: Waugh
Welding: Arambarri, Buchanan, 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.

COURSE NO. AND TITLE	FALL	SPRING	SUMMER
Air Conditioning Lab	10	10	10
Air Conditioning Theory	5	5	5
Occupational Relationships	2		
	17	15	15

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 break downs 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.
262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

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.

Course No. and Title	Fall	Spring
Mechanical Maintenance Lab	10	10
Mechanical Maintenance Theory	5	5
Occupational Relationships	—	2
	15	17

PM MECHANICAL PLANT MAINTENANCE

121-122 Mechanical Plant Maintenance Laboratory (10-10 credits). These courses provide the laboratory application of principles covered in theory classes. Fall semester coverage will concentrate on basic welding for the maintenance field, including oxy-acetylene, stick electrode, M.I.G., T.I.G., and similar procedures. Spring semester emphasizes beginning fundamentals of maintenance machine tool operations using the lathe, milling machine, and other equipment found in the machine shop. Related topics will be included. 20 clock hours per week.
141-142 Mechanical Plant Maintenance Theory (5-5 credits). These courses include mathematics, basic electricity, pneumatics, hydraulics, blueprint reading, safety, troubleshooting, and other subjects related to the maintenance field. 10 clock hours per week.
262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, non-graded, credit course.

MACHINE SHOP
2-Year Program

The machinist's course consists of shop work and related instruction in the use of hand and machine tools together with classroom instruction in problems and technical information related to the trade. Credits in this course of study are not counted toward an academic degree.

		1ST SEM.	2ND SEM.
FRESHMAN YEAR:			
MS 101, 102	Machine Shop Laboratory	8	8
MS 111	Communication Skills	—	2
MS 121, 122	Rel. Blueprint Reading	3	3
MS 132	Related Basic Math	2	—
MS 151, 152	Related Theory	3	3
		16	16
SOPHOMORE YEAR:			
MS 201, 202	Adv. Machine Shop Lab	8	8
MS 221	Blueprint Reading & Layout	—	2
MS 231, 232	Related Adv. Math	4	4
MS 251, 252	Adv. Machine Shop Theory	2	2
MS 262	Occupational Relationships	2	—
		16	16

COURSES

MS MACHINE SHOP

101, 102 Machine Shop Laboratory (8 credits). The course covers safety, good shop practice, good work habits, and production rates. The set-up and operation of the lathes, milling machines, drill presses, shapers, power saws, grinders, bench work, layout, and the use of special attachments. Twenty laboratory hours per week each semester.

111 Communication Skills (3 credits). To manage symbols and discover meaning, candidly, 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 two semester, credit course designed to maximize personal involvement.

121-122 Related Blueprint Reading (3-3 credits). A study of the principles and techniques of reading blueprints as applied to the Machine Shop. The mathematics of fractions, decimals and angular dimensions will also be studied. The sketching and drawing of actual shop type prints will enable the student to better understand the techniques used in the reading of Machine Shop blueprints. 4 hours per week lecture and lab.

132 Related Basic Math (2 credits). A study of fractions, decimals, metric system and basic math processes such as addition, subtraction, division and multiplication as applied to the machine shop. One semester, 2 clock hours per week.

151, 152 Related Theory (6-3 credits). This course provides the knowledge necessary for the machinist student to understand the machining processes and their application as practiced in the laboratory course. Safety and good shop policy are emphasized in all phases of instruction. The set-up, care and maintenance of the machine tools as well as the theory of measuring tools, metal cutting, selection of metals, tool design, coolants, allowance and tolerance, and production methods. Related mathematics as applied to set up, indexing benchwork, speeds and feeds, layout measuring increments, and metallurgy will also be studied. (Prerequisite for MS 152: MS 151).

201, 202 Advanced Machine Shop Laboratory (8 credits). The set-up and operation involving manipulative training and increase skill in the use of lathes, milling machines, drill presses, shapers, power saws, tools and cutter grinder, surface grinder, heat testing, hardens testings, layout, inspection, tracer lathe, and numerical control mill set-up, operation and programming. Twenty laboratory hours per week each semester. Prerequisite: Machine Shop Laboratory MS-102.

221 Blueprint Reading and Layout for the Machinist (2 credits). Three dimensional drawing and hand sketching of mechanical devices will be covered. One semester, 2 clock hours per week.

231-232 Related Adv. Math (4-4 credits). A study of trigonometry and geometry as applied to shop problems and the mathematics needed for numerical control machining. A study of scientific principles required in the machinist trade is also studied. Six clock hours per week each semester.

251-252 Adv. Machine Shop Theory (2-2 credits). The composition of grinding wheels, metallurgy and heat treatment of metals, the programming of numerical controlled machines, as applied to the machinist. Also basic foundry processes are studied. Two semesters, 2 clock hours per week.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

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.

COURSE NO. AND TITLE		FALL	SPRING	SUMMER
EL-101-102-103	Lineman Lab	10	10	10
EL-151-152-153	Lineman Theory	5	5	5
EI-262	Occupational Relationships.....	2	-	-
		17	15	15

COURSES

EL ELECTRICAL LINEMAN

101-102-103 Lineman Laboratory (10 credits). The field training consists of actual job experience in an "out-of-doors" school laboratory. It will cover climbing, setting and removing various sizes of poles, framing, guy work, use of conductors, transfers, transformers, streetlights, installation of services, tree trimming, and the use and care of safety equipment. 25 hours per week.

151-152-153 Lineman Theory (5 credits). The related theory for the Lineman Program conducted in the classroom and laboratory facility is so arranged to provide ample opportunity for acquaintance with the materials and hardware of the trade, while at the same time covering the theory of their use. An application of education basic to the trade will be emphasized with classes in electricity, blueprint reading, construction techniques, transmission, distribution systems, underground procedures, first aid and safety. 10 hours per week.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

WELDING
2-Year Program

The welding curriculum is designed to provide two levels of training. The first year will provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of of properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
W 101-102 Welding Lab.....	8	8
W 111 Welding Communications	3	—
W 121-122 Basic Blueprint Reading & Layout...	3	3
W 151-152 Welding Theory.....	2	2
W 262 Occupational Relationships.....	—	2
	16	15

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
W 201-202 Welding Lab.....	8	8
W 212 Shop Management.....	3	—
W 221-222 Advanced Blueprint Reading & Layout.....	3	3
W 241-242 Welding Science	4	4
	18	15

COURSES

W WELDING

101-102 Welding Laboratory (8 credits). This course covers oxyacetylene burning by manual and automatic methods; oxyacetylene welding and brazing; arc welding using mild steel and low alloy steel electrodes in all positions; continuous wire feed welding processes; and submerged arc welding process. The successful completion of this phase of the program will prepare the student for employment as a production welder or to take the second year of the program. Twenty clock hours per week each semester.

111 Welding Communications (3 credits). To manage symbols and discover meaning, candidly, 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 one semester, credit course designed to maximize personal involvement.

121-122 Basic Blue Print Reading and Layout (3 credits). A study and practice of the principles and techniques of blueprint reading and layout as applied to welding trades. Sketching and drawing will enable the student to understand the techniques of layout used by the welding industry. Basic related math that is necessary to perform the layout problems in plate and structural steel industry will be covered.

151-152 Welding Theory (2 credits). This course provides the knowledge necessary for the welding student to understand the welding processes and their appreciation as practiced in the laboratory course. Safety is emphasized in all phases of instruction. The set-up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and brazing is studied. Arc welding equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuous feed and submerged arc welding processes are covered. Four hours per week, both semesters.

201-202 Advanced Welding Laboratory (8 credits). Welding practiced is concentrated on those skills necessary to be able to pass various certification tests in the following areas: pipewelding with oxy-acetylene, arc and T.I.G. processes, plate with mild steel and high strength stick electrodes. Note: Boise State University does not issues weldor performance certification. Prerequisite: Welding Lab W-102.

212 Shop Management (3 credits). This course covers shop safety, determining welding cost, for job, quality control and installation and maintenance of equipment. Three clock hours per week.

221-222 Advanced Blueprint Reading and Layout (3 credits). A continuation study of advanced methods of layout and fitting as related to the plate, structural and piping industry.

Related math necessary to perform these layout and fitting problems. Prerequisite: Basic Blueprint Reading and Layout W 121-122.

241-242 Welding Science (4 credits). First semester—Study of the basic metallurgy properties of metals and tests to determine their uses; the iron carbon diagram and the part carbon plays in the production of steel. Second semester—Study of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and Procedures. Operators' qualifications; heat treatment of steels, testing and inspection of welds, behavior and influences of alloys in irons, steels and exotic metals, thermal curves, freezing alloys, structural composition, changes in the solid state and carbide precipitation and its effect on the chrome steels. Weldability of these metals.

262 Occupational Relationships (2 credits). Techniques for obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

BASIC WELDING
9 Month Program

The welding curriculum is designed to provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

FRESHMAN YEAR:		**1ST SEM.**	**2ND SEM.**
W 101-102	Welding Lab	8	8
W 111	Welding Communications	3	—
W 131-132	Related Basic Math	3	3
W 151-152	Welding Theory	2	2
W 262	Occupational Relationships	—	2
		16	15

BASIC WELDING

Basic Welding courses are described under Welding.

DEPARTMENT OF LIGHT TECHNOLOGIES

Department Head: Donald S. Jones
Electronic-Mechanical Service Technician: Wagster
Drafting: Burkey, Leigh, Watts, Weston, Olson
Electronics: Macken, D. Millard, K. Millard, LaRue

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 a diploma. Credits in this curricula are generally not transferable toward an academic degree.

FRESHMAN YEAR:		**1ST SEM.**	**2ND SEM.**
ES 101-102	Mechanical Lab	4	4
ES 103-104	Electronics Lab	2	2
ES 113	Customer Relations	2	—
ES 132	Small Business Math	—	3
ES 151-152	Mechanical Theory	2	2
ES 153-154	Electronic Theory	3	3
MM 213	Credits & Collections	—	2
ES 130	Related Electronic Math	3	—
		16	16

CONSUMER ELECTRONICS (OPTION)

SOPHOMORE YEAR:		**1ST SEM.**	**2ND SEM.**
ES 203-204	Electronics Lab	11	11
ES 253-254	Applied Theory & Shop Mgmt.	3	3
ES 271-272	Digital Electronics	3	3
		17	17

COURSES

ES CONSUMER ELECTRONICS

101-102 Mechanical Lab (4 credits). These courses deal with the adjustment and repair of mechanisms (10 clock hours per week).

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).

113 Customer Relations (2 credits). Directed toward the tact and methods necessary to communicate with the public. (2 clock hours per week).

130 Related Electronic Math (3 credits). Basic mathematics through Algebra required to understand the electronic theory. (3 clock hours per week).

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 need exists 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. Pre-requisite: Electronic-Mechanical Service Technician one year Freshman course.

SOPHOMORE YEAR:		**1ST SEM.**	**2ND SEM.**
BM 201-202	Adv. Business Machine Lab	7	7
BM 251-252	Adv. Business Machine Theory	6	6
ES 271-272	Digital Electronics	3	3
		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 clock 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 selling techniques. (10 clock hours per week.) Prerequisite: ES 151-152.

PT PRE-TECHNICAL—SEQUENCE

This is a one-semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed nec-

essary 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 EQUIV.	HOURS PER WEEK
PT-010	Blue Print Reading and Basic	3	10 hours
	Mechanical Drawing	—	(2 Lec. 8 Lab.)
PT-020	Intro. to Tech. Communications	3	3 hours Lec.
PT-030	Intro. to Tech. Mathematics	4	5 hours Lec.
PT-040	Science Survey	4	5 hours Lec.
PT-050	Technical Orientation	1	2 hours Lec.
	Totals	15	25 hours

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

010 Blueprint Reading and Basic Mechanical Drawing (3 credit equiv.) An introductory course in blueprint reading, sketching and drafting methods and procedures. Ten hours per week-lecture-lab.

020 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 emphasized. Three hours per week lecture.

030 Introduction to Technical Mathematics (4 credits equiv.) Survey and review of mathematic principles and methods. Uses of mathematics in technical fields with practical examples of application. Five hours per week-lecture.

040 Science Survey (4 credit equiv.) Review of science as related to technical industry with practical problems and applied solutions. Five hours per week-lecture.

050 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		**Credits**
DT 101	Drafting Lab and Lecture	4
DT 111	Communication Skills	3
DT 131	Mathematics	5
DT 141	Science	3
DT 153	Manufacturing Processes	2
Second Semester		
DT 102	Drafting Lab and Lecture	4
DT 112	Communication Skills	3
DT 122	Introduction to Surveying	3
DT 132	Math	4
DT 142	Science	3
Third Semester		
DT 201	Drafting Lab and Lecture	4
DT 221	Descriptive Geometry	3
DT 231	Applied Mathematics	3
DT 241	Statics or DT 242 Strength of Materials	4
DT 253	Design Orientation	2
DT 262	Occupational Relationships	2
Fourth Semester		
DT 202	Drafting Lab and Lecture	4
DT 222	Technical Report Writing	2
DT 232	Applied Mathematics	3
DT 242	Strength of Materials or DT 241 Statics	4
*DT 263	Specialized Graphics	2

*or approved elective.

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 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.

122 Surveying (3 credits). Introduction to surveying, methods and computation. Required field work, with emphasis on compiling data and office computation. 4 clock hours per week. Prerequisite or corequisite with DT 132.

131 Mathematics (5 credits). Fundamentals of algebra with an introduction to trigonometry and the use of the slide rule. 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.

153 Manufacturing Processes (2 credits). A survey of materials, machine, tools, production methods, and quality control methods. Three clock hours per week.

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.

231 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.

232 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.

242 Strength of Materials (4 credits). Analysis of stress and strain in torsion, tension, compression and bending; introduction to limited structural design. Four clock hours per week. Prerequisite: DT 132.

253 Design Orientation (2 credits). A lecture-laboratory course designed to provide an opportunity for the student to apply theory, principles and methods to the solution of problems typical of those tp be encountered in practice. Three clock hours per week.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationships issues of shop and office. One semester, credit course.

263 Specialized Graphics (2 credits). An intensive study of perspective and rendering as used in industrial illustration, and architectural rendering and civil engineering graphics. Lecture-laboratory. Three clock hours per week.

ELECTRONICS—CURRICULUM

The Electronics Technology program provides training for students desiring to enter the field of Electronics, working as team members with engineers in manufacturing, field troubleshooting, and research and development.

Credits in these courses of study are generally not counted toward an academic degree.

FRESHMAN YEAR:		**1ST SEM.**	**2ND SEM.**
ET-101-102	Electronics Laboratory	2	2
ET-104	Digital Computer Programming	2	—
ET-111-112	Communication Skills	3	3
ET-131-132	Basic Electronics Math	4	4
ET-141	Basic Physical Science	—	2
ET-151-152	Electronic Theory	5	5
ET-171-172	Circuit Analysis	3	3
		19	19

SOPHOMORE YEAR:		1ST SEM.	2ND SEM.
ET-201-202	Adv. Electronic Laboratory	5	5
ET-231-232	Advanced Electronic Math	3	3
ET-241-242	Advanced Electronic Science	2	2
ET-251-252	Advanced Electronic Theory	4	4
ET-262	Occupational Relationships	2	—
ET-271-272	Digital Electronics	3	3
ET-281	Digital Systems Design	—	3
		19	20

COURSES

ET ELECTRONICS

101 Electronics Laboratory (2 credits). Study of basic electricity, color code, test equipment, L. CjR. components, basic semiconductors. Ten hours laboratory per week.

102 Electronics Laboratory (2 credits). A continuation of ET-101. Basic radio receiver analysis, and basic amplifiers, printed circuit design and processing, logic circuits. Prerequisite: Laboratory ET-101. Ten hours laboratory per week.

104 Digital Computer Programming (2 credits). Course for Electronics majors to introduce programming principle and logic. Consideration given to input-output, arrays, functions, prerequisite ET-131 or equivalent. 2 clock hours per week.

111, 112 Communication Skills (3 credits). To manage symbols and discover meaning, candidly, 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 two semester, credit course designed to maximize personal involvement.

131-132 Basic Electronics Mathematics (4-4 credits). First semester—Review of basic fundamentals of mathematics, algebra, geometry, and basic trigonometry. Second semester—A continuation of first semester, logarithms, and an introduction to analytical geometry. The course will prepare the student for calculus. Five clock hours per week.

141 Basic Physical Science (2 credits). This course is designed to acquaint the electronics technician with the basic principles of chemistry, mechanics, heat, sound, light, nuclear physics and magnetism. 2 clock hours per week.

151 Electronics Theory (5 credits). The theory of basic electricity, color code, test equipment, L. C. and R. components, transistors, vacuum tubes and an introduction to logic circuits. Five clock hours.

152 Electronics Theory (5 credits). A continuation of ET 151 with an emphasis placed on the function of the components, studied first semester, into systems in this course. These systems include basic amplifiers, AM receivers and logic circuits. Special emphasis is placed on transistor circuit and design. Five clock hours per week.

171-172 Circuit Analysis (3 credits). The purpose of this course is to immediately get the beginner into practical circuits of electrician type and let him see that all the theoretical materials covered do have application. This has two purposes: to get him involved with useful circuits and schematic symbols and to make him employable at lower levels than electronic technician if his withdrawal from the program becomes necessary. This course advances to solid state electronic circuitry as ET-151-152 gets to this point. Both semesters the student is expected to analyze, debate, and report on circuits he is seeing for the first time. 5 clock hours.

201, 202 Advanced Electronic Lab (5 credits). These courses would follow the same description as ET 251-252 (Theory) but would be concerned with the test, measurement, and calibration of those circuits covered during theory. 10 clock hours.

231, 232 Advanced Electronic Math (3 credits). Differential and Integral calculus is covered on a continuing basis both semesters. Starting with limits, basic differentiation, trigonometric functions, logarithmic functions and basic differential equations. 3 clock hours.

241-242 Electronics Science (2 credits). The application of the electro-electronics principles, to the measurement and control of the physical properties of heat, light, sound, etc. Prerequisite: ET 141 2 clock hours per week.

251, 252 Advanced Electronic Theory (4 credits) The study of electronic circuits that usually include one or more Integrated Circuits (I.C.'s) and associated discrete components. Emphasis is placed on the many possible configurations of the operational amplifier. Among these applications are integrators, signal generators, function generators, and filters. Second semester study includes assembly of a group of I.C.'s and discrete components to form complete electronic systems, radio frequency applications, and a sophisticated student project.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

271-272 Digital Electronics (3 credits). Binary concepts, basic logics, boolean algebra, counters, adders, basic computer circuits, second semester advanced concepts and analytical troubleshooting of digital devices. 3 clock hours per week.

282 Digital Systems Design (3 credits). Concepts of boolean algebra, logic components; combinational and sequential circuit analysis and synthesis; number systems. Spring semester only. Prerequisite: ET-271 and consent of instructor. 3 clock hours per week.

DEPARTMENT OF MECHANICAL TECHNOLOGIES

Department Head: Max Lamborn
Auto Body: B. Curtis
Automotive Mechanics: Fuehrer, Campbell, King, Maves, Mikesell
Heavy Duty Mechanics: Alonzo, 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 in this course of study are not counted toward an academic degree.

SUBJECT COURSE NO. AND TITLE	FALL	SPRING	SUMMER
AB-121-122-123 Auto Body Lab	10	10	7
AB-141-142-143 Auto Body Theory	7	5	5
AB-262 Occupational Relationships	—	2	—
	17	17	12

COURSES

AB AUTO BODY

121-122-123 Auto Body Laboratory (10-10-7 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: orientation, safety rules, shop house-keeping, oxy-acetelene welding, painting fundamentals, metal working and shrinking, plastic and lead body filling, advanced painting processes, frame alignment, glass and panel replacement. Twenty-five hours laboratory 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.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationships issues of shop and office. One semester, credit course.

AUTOMOTIVE MECHANICS
11 Month Program

The Automotive Mechanics program consists of 11 months of instruction. Specialty areas within the program may be taken after testing and approval by instructor.

Course	Fall Spring Summer
AM 100 Basic Automotive Mechanics	8
AM 262 Occupational Relationships	2
AM 110 Intermediate Electricity	3
AM 111 Intermediate Engines	3
AM 112 Intermediate Fuel Systems	1
AM 113 Intermediate Power Trains	2
AM 114 Vehicle Control Systems	3
AM 115 Air Conditioning	1
AM 116 Automatic Transmissions	3
AM 120 Advanced Auto Mechanics	8
AM 121 Advanced Auto Mechanics	8

COURSES

BASIC AUTOMOTIVE MECHANICS

AM 100 Basic Automotive Mechanics (8 credits). The Basic Automotive Mechanics section of the program consists of orientation to the University, automotive industry and safety policies, along with theory and practice of the use and care of mechanics tools and equipment, fasteners, precision measuring devices, tube fabrication and soldering. This will also include fundamentals and construction of electrical systems, engine, cooling systems, vehicle control systmes, fuel systems, and power train. The student must satisfactorily complete all theory and laboratory assignments or pass challenge exam before progressing into intermediate Auto Mechanics. Consists of approximately 10 hours a week theory and 20 hours a week laboratory.

AM 262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

INTERMEDIATE AUTOMOTIVE MECHANICS

The Intermediate Automotive Mechanics section of the program covers all phases of the automobile in both classroom theory, laboratory projects and mock up training aids are utilized. Approximately 10 hours a week theory and 20 hours a week laboratory. The student must satisfactorily complete all workbook and laboratory assignments before progressing to Advanced Automotive Mechanics. Basic Mechanics or a challenge exam is a prerequisite to Intermediate Mechanics.

AM 110 Electrical (3 credits). This course covers various types of electrical components and wiring systems of the automobile using the latest testing and diagnostic equipment.

AM 111 Engine (3 credits). This course includes theory and laboratory practice of engine overhaul procedure on live engines to the manufacturers specifications.

AM 112 Fuel Systems (1 credit). This advanced course on two and four barrel carburetors consisting of theory, repair and diagnostic procedures.

AM 113 Power Train (2 credits). This course includes laboratory practice and proper overhaul procedures to manufacturers specifications on clutches, manual transmissions, over drives, drive lines, differentials and axles.

AM 114 Vehicle Control Systems (3 credits). This course will include front end alignment, wheel balancing, suspension repair, drum and disc brake repair and machine work.

AM 115 Air Conditioning (1 credit). This course includes theory and basic operating principles as used in the autmobile, including related control and component operation and diagnosis. It also includes the proper care and handling, special tools, and equipment used in the air conditioning service.

AM 116 Automatic Transmissions (3 credits). This course will include basic automatic transmission principles, operation and construction including servicing and repairing of mock up units.

ADVANCED AUTO MECHANICS

AM 120 Advanced Auto Mechanics (8 credits).

AM 121 Advanced Auto Mechanics (8 credits).

The Advanced Automotive Mechanic section of the program includes a study of failure analysis of previous courses. Working on customer vehicles in actual shop conditions. Practice of shop management, customer relations, routing of shop work and parts ordering techniques. Consists of approximately 5 hours a week theory and 25 hours a week laboratory.

After completing set course objective, student can be employed at Instructor's recommendation. Graduation will be based on 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.

SUBJECT COURSE NO. AND TITLE	FALL	SPRING	SUMMER
DM-101-102-103 Diesel Lab.	10	10	10
DM-151-152-153 Diesel Theory	5	5	5
DM-262 Occupational Relationships	—	2	—
	16	17	15

COURSES

DM HEAVY DUTY MECHANICS-DIESEL

101-102-103 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, general theory, math and measuring instruments, 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, care and use of tools, basic welding, internal combustion engines, tranmissions and power trains, cooling systems, fuel systems, electrical systems, suspension and hydraulic and air brakes will be studied.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

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 COURSE NO. AND TITLE		CREDITS FALL	CREDITS 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	—	2
		17	17

COURSES

PC PARTS COUNTERMAN—Courses

101-102 Automotive Parts Laboratory (10-10 credits). In the laboratory experience, the student will gain full understanding of the organization of a parts store. A "mock store" is established and operated on campus in conjunction with the Automotive Mechanics and Auto Body Programs. The Lab experience includes training for each particular type of dealership and jobber operation.

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.

151-152 Automotive Parts Theory (5-5 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.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

SMALL ENGINE REPAIR
(Recreational Vehicles) 9 months

The Small Engine Program will include classroom, math, and shop experience concerned with maintaining and repairing of 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 are not counted toward an academic degree.

COURSE NO. AND TITLE		CREDITS FALL	CREDITS SPRING
SE-101-102	SE Lab	14	14
SE-141-142	SE Theory	2	2
SE-262	Occupational Relationships	—	2
		16	18

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 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.

262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

DEPARTMENT OF SERVICE OCCUPATIONS

Department Head: Glenda Trumbo
Child Care: Corell, Lingenfelter, Gourley
Food Service: Hoff, R. Smith, Schaeffer
Horticulture: Griffith, Oyler
Mid-Management: Knowlton, Lane, Scudder
Office Occupations: Metzgar, Potas, Trumbo, McDonough, Ream

CHILD 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 of 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:		**1ST SEM.**	**2ND SEM.**
CC-101	Introduction to Child Development	3	—
CC-151	Introduction to Child Development	—	3
CC-111	Communication Skills	3	—
CC-141	Health and Care of the Young Child	2	—
CC-171-172	Curriculum of the Young Child	3	3
CC-181-182	Child Care Laboratory	3	3
CC-125-126	Contracted Field Experiences in Early Childhood Programs	1	1
CC-135-136	Planning and Evaluation of Laboratory Exper.	2	2
	Total Credits	17	12

DAY CARE TEACHER/SUPERVISOR:		**1ST SEM.**	**2ND SEM.**
CC-251-254	Advanced Child Care	3	3
CC-231-232	Child Care Center Management	2	2
CC-252	Family and Community Involvement with Children	3	—
CC-261	Occupational Relationships	—	2
CC-241-242	Feeding Children	3	3
CC-201-202	Child Care Center Supervision	3	3
CC-225-226	Contracted Practicum in Early Childhood Supervision	2	2
CC-235-236	Planning and Evaluation of Child Care Center supervision	1	1
	Total Credits	17	16

COURSES

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, candidly, 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.

135-136 Planning and Evaluation of Laboratory Experience (2-2 credits). Classroom lecture and discussion to include lab observation and records as a basis for developing curriculum and guiding child behaviors, methods of curriculum planning and evaluation, activity plans, classroom objectives, and staff performance and relations.

141 Health and Care of the Young Child (2 credits). Safety practices in child care centers, basic nutrition, and general health education necessary for working with children will be stressed. The teacher's health and well-being as it affects children with whom she is working will be covered. Required in the course of study will be the Red Cross multi-media first-aid emergency training. In compliance with state licensing regulations A Tuberculin test is also required.

151 Introduction to Child Development (3 credits). Studies of guidance and discipline will be continued, along with some techniques of handling behavior problems in the nursery school. Classroom structures, theories of preschool instruction, and methods of nursery school teaching will be included.

171-172 Curriculum of the Young Child (3-3 credits). Introduction to the curricula media suitable for preschool children. The course will include the theories of teaching young children in the preschool environment; the need for a curriculum in nursery school; the importance of children's play; and specific information and material in the following areas: creative art, books and story telling, music and rhythms, environmental science, and beginning number and letter recognition.

181-182 Child Care Laboratory (3-3 credits). Observation and participation in the laboratory preschool. Students in this course will participate directly with children assuming the role of aide and assistant teacher. The student will plan and carry out a variety of daily activities and attend staff meetings. Students will become acquainted with the curriculum, classroom arrangement, daily schedules, child guidance, and responsibilities of staff personnel.

201-202 Child Care Center Supervision (3-3 credits). Observation and participation in the laboratory preschool. This course is designed to enable to student to gradually assume responsibility for the total child care operation under the supervision and consultation of the instructor. Students will assume the role of head teacher in a child care center planning the curriculum, coordinating and supervising staff responsibilities, conducting staff meetings, and planning daily and weekly schedules. Students will explore the use of various techniques for observing and recording the behavior of young children in preparation for child evaluations and parent-teacher conferences.

225-226 Contracted Practicum in Early Childhood Programs (2-2 credits). By permission of instructor. A course designed to meet specific nees of the student as determined by both the student and instructor. A practical application of knowledge and skills in community child care settings. Individual contract arrangement involving student, instructor and cooperating agency to gain practical experiences in off-campus settings.

231-232 Child Care Center Management (2-3 credits). This course is designed to give the student a basic knowledge needed for the operation of a child care center as a business. Business arithmetic, record-keeping (financial, operational, staff, etc.), purchasing of equipment, materials and supplies, and employer-employee relationships will be stressed. Bookkeeping practices for an actual day care center will be included.

235-236 Planning and Evaluation of Chid Care Center Supervision (1-1 credits). Classroom lecture and discussion to include management of child care programs, methods for supervising staff, child guidance techniques, curriculum and staff evaluations, methods of working with parents, daily classroom management, and curriculum development to meet specific needs of individual children.

241-242 Feeding Children (3-3 credits). The nutritional requirements of preschool children will be emphasized. The course is designed to help the student plan, purchase, prepare and serve nutritious snacks and meals to children in child care centers. Studies will include diet plans for sick children, handling food allergies, and the development of positive mealtime attitudes. Emphasis will also be placed on the economics of good nutrition for a child care center.

251-254 Advanced Child Care (3-3 credits). History and background of child care in the United States will be studied, and a study will be made of the types and kinds of child care centers suitable for young children that are present in the Boise area. Also covered will be the qualifications of the teacher and/or supervisor for day care centers. Second semester students will emphasize infant day care, work with exceptional children and qualifications needed for kindergarten aides. Some knowledge of kindergarten curriculum will also be stressed.

252 Family and Community Involvement with Children (3 credits). The students will be given a basic understanding of the history and dynamics of family interaction, as affected by the rapid social and technological changes taking place today. Also studied will be the social, economic and ethnic factors as they affect the family's capacity to function. This will include the basic concepts of family decision making, the setting of goals and determining family and personal values. A study will be made of cultural life styles and emphasis will be placed on the need for establishing effective relationships with parents and co-workers. Community resources and resource-persons will be considered as to their value to families, child care centers and the people who will be operating the centers.

261 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

CHILD CARE STUDIES (Assistant)
9 Month Program

This curriculum is planned for people interested in working with children as an assistant in private, play grounds, camps, day care centers, nurseries, kindergartens, and child development centers.

CHILD CARE ASSISTANT (9 Month Program)

The graduate will be able to function effectively under supervision in caring for children's normal physical, emotional and social needs in group care centers, children's homes, hospitals, nurseries, and industry. This 9 month course will provide study of child growth, ways of working with children—infants, toddlers, and school age children and laboratory experience in a nursery school setting.

ENTRANCE REQUIREMENTS

Personal interest, interview, and aptitude testing.

DAY CARE ASSISTANT:		1ST SEM.	2ND SEM.
CC-101	Introduction to Child Development	3	—
CC-151	Introduction to Child Development	—	3
CC-111	Communication Skills	3	—
CC-141	Health and Care of the Young Child	2	—
CC-171-172	Curriculum of the Young Child	3	3
CC-181-182	Child Care Laboratory	3	3
CC-125-126	Contracted Field Experiences in Early Childhood Programs	1	1
CC-135-136	Planning and Evaluation of Laboratory Exper.	2	2
		17	12

CC CHILD CARE STUDIES (Assistant)

Child Care Studies (Assistant) courses are described under (supervisor) Child Care Studies.

FOOD SERVICE TECHNOLOGY

FIRST SEMESTER Course No. and Title		CREDITS
FT-151	Food Theory and Techniques	5
FT-111	Communicative Skills	2
FT-101	Food Presentation Systems & Techniques	4
FT-262	Occupational Relationships	1
FT-141	Basic Nutrition	2
		14

SECOND SEMESTER		
FT-102	Food Preparation Laboratory	6
FT-121	Purchasing, Storage & Receiving	3
FT-133	Business Mathematics & Machines	2
FT-152	Menu Planning	3
FT-154	Food Standards	2
		16

THIRD SEMESTER		
FT-231	Restaurant Accounting & Office Procedures	3
FT-221	Catering & Beverage Control	3
FT-201	Baking	3
FT-202	Restaurant Management	5
FT-241	Specialty Cooking	2
		16

FOURTH SEMESTER		
FT-251	Advertising & Promotion	2
FT-252	Demonstration Methods	2
FT-203	Field Work	10
FT-222	Seminar	2
		16

COURSES

FT FOOD SERVICE TECHNOLOGY

101 Food Presentation Systems Techniques (4 credits). This course covers the practical side of handling prepared food, bus and set tables, wait on tables, dining room etiquette, dishwashing room and cashiering. We concentrate on a certain job if student desires one aspect only, such as dishwashing. This course also familiarizes the students with general safety and sanitation rules pertaining to the entire restaurant as those specifically required to use and maintain the equipment in both the dining room and kitchen. Fifteen clock hours per week.

102 Food Preparation Laboratory (6 credits). This course is designed to correlate the theory of department technical courses with actual large quantity food service practice in situations such as would be found in the food service industry. Twenty clock hours per week.

111 Communications Skills (2 credits). To manage symbols and discover meaning candidly, 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 nongraded, two credit course designed to maximize personal involvement. One semester nongraded, credit course.

121 Purchasing, Storing and Receiving (3 credits). The practice of food purchasing, both theory and practical application. Includes storage and handling as well as food standards. This covers proper store room procedures, issuing, and record keeping dealing with vendors and salesmen, and product cutting and testing. Three clock hours per week.

133 Business Math and Machine (2 credits). Fundamental operations of arithmetic in relation to Food service Businesses. The student receives instruction on ten-key adding machines, calculators, etc.

141 Basic Nutrition (2 credits). Study of the fundamentals of nutrition as a factor of menu planning, food preparation and storage. Two clock hours per week.

151 Food Theory and Techniques (5 credits). This class is to develop an understanding of the basic principles of cookery; skill and efficiency in preparation of foods; an appreciation of high standards of production; efficient use of time and attractive sanitary service of foods; an appreciation 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. Ten clock hours per week.

152 Menu Planning (3 credits). The characteristics of a good menu, types of menus, the relationship between menu planning and personnel and equipment, sales history and production sheets will be studied to aid the student in writing successful menus. Two clock hours per week.

154 Food Standards (2 credits). The study of the factors to be considered when purchasing food. The use of certain factors when writing specifications for purchasing foods to meet the Standard set by their operations. How to cut costs regarding yield of specific grades of foods. This is a second semester course. Two clock hours per week.

161 Sanitation and Safety. The study and application of the health and sanitation codes for the State of Idaho and its relationship to the restaurant industry. Theory and Practicum in the safe use of all restaurant equipment and personal safety in all phases of restaurant work. Two clock hours per week.

170 Service, Waitress/Waiter (10 credits). The theory and practice of correct dining systems and procedures. 8 week program.

171 Cashier/Hostess (6 credits). The theory and practice of public relations and dining room control. Prerequisite: FT-170. 8 week program.

201 Baking Laboratory and Theory (3 credits). Procedure and formulas used in industry bake shops. Preparation of bakery goods used at Boise Interagency Fire Center mess hall, including: dinner rolls, muffins, Danish pastry, sweet breads, cakes, dessert items both plain and fancy. Six clock hours per week.

202 Restaurant Management (5 credits). Students are taught in the management phase of both the front and back of the house by acting as student chef, purchasing manager, dining room manager and other supervisory jobs for the Boise Interagency Fire Center mess hall. Sixteen clock hours per week.

203 Field Work (10 credits). Student is placed in restaurant under supervision of Chef. First to observe, then help, and finally to do the production job while their paid employee observes. He does every position in the kitchen and—or dining room. Twenty-four clock hours per week.

221 Catering and Beverage Control (3 credits). Practical approach to catering food service banquets, covering theory in personnel duties, guarantees, menu pricing, function room profits, forms and controls. Orientation into Bar Controls and Techniques. Also, Wine History and sales.

222 Seminar (2 credits). Two clock hours per week.
231 Restaurant Accounting and Office Procedures (3 credits). A study of the function of the profit and loss statement through the use of the balance sheet, income statement, payroll reports, sales income, time cards, records, reports. Federal, State and Social Security taxes, paychecks and figuring percentage of sales. Three clock hours per week.
241 Specialty Cooking (2 credits). This includes fine pastries, sugar work, tallow carving, ice carving, etc. Also, methods of cooking with wines and Brandies.
251 Advertising and Promotion (2 credits). This course covers the history and basic programming of advertising in relationship to the Food Service Industry. It also coordinates food merchandising and promotion towards increased sales volume. A fourth semester course. Two clock hours per week.
252 Demonstration Methods (2 credits). This course gives the student an opportunity to practice the demonstration techniques. An opportunity to observe critically a number of demonstrations, and an opportunity to judge objectively the work of others. A fourth semester course. Two clock hours per week.
262 Occupational Relationships (1 credit). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.

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. This 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.

FRESHMAN YEAR:		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

SOPHOMORE YEAR:		1ST SEM.	2ND SEM.
HO 201-202	Horticulture Laboratory	5	5
HO 241-242	Related Science	2	2
HO 251-252	Horticulture Theory	5	5
HO 262	Occupational Relationships	2	—
HO 271	Individual Project	—	3
MM 213	Credits and Collections	—	2
MM 101	Salesmanship	3	—
		17	17

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 to include: exploring occupational opportunities; identification of plants by the use of descriptive terms; identification of biennial 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, pesticides, etc.,. 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 entire 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 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.
131-132 Related Basic Mathematics (3 credits). First semester—developing comprehension of the basic principles of mathematics. Specific areas include addition, subtraction, multiplication, divison, fractions, denominate numbers, 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) climate and other growth limiting factors, (4) soil and soil amendments. Second semester—developing comprehension, analysis, and evaluation of the following: plant propagation (sexual); 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) plant growing and (2) materials of construction.
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 beds, lath houses, 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.
262 Occupational Relationships (2 credits). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office. One semester, credit course.
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 —MID-MANAGEMENT

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Introduction to Business	3	—
Salesmanship	3	—
Clothing	3	—
Business Math/Machines	3	—
Clothing Selection	—	2
Textiles	—	3
Elements of Management	—	3
Intro. Fin. Accting	—	3
Mid-Management Work Experience	—	2
Elective	2	—
	17	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Introduction to Marketing	3	—
Fashion Analysis and Design	2	
Professional Speech Communication	3	—
Retail Buying	3	—
Mid-Management Work Experience	2	2
Report Writing	3	—
Principles of Retailing	—	3
Visual Merchandising	—	3
Supervision of Personnel	—	3
Elective	—	5
	16	16

MARKETING—MID-MANAGEMENT

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition	3	3
Introduction to Business	3	—
Business Mathematics/Machines	—	3
Salesmanship	3	—
Intro. Fin. Accting	—	3
Merchandise Analysis	—	3
Mid-Management Work Experience	2	2
Elements of Management	3	—
Professional Speech Communication	2	—
Elective	—	2
	16	16

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Introduction to Marketing	3	—
Principles of Retailing	—	3
Principles of Economics	3	—
Visual Merchandising	—	3
Report Writing	3	—
Supervision of Personnel	—	3
Retail Buying	3	—
Credit and Collections	—	2
Mid-Management Work Experience	2	2
Elective	2	3
	16	16

MM MARKETING, MID-MANAGEMENT—Courses

Course offerings are described in Part V.

OFFICE OCCUPATIONS

Students may enter the program every 8 weeks or 5 times a year.

The Office Occupations curriculum is designed to assist the student to progress on an individualized basis to employment in one of more of the various classifications of office occupations. The length of the course will depend upon the individual's goals and abilities.

ADMISSION:

Entrance requirements: All Boise State University admissions requirements must be met. The General Aptitude Test Battery (GATB) score must be kept on file in vocational counseling office. A personal interview is required by a vocational counselor at the School of Vocational Technical Education before admission.

Classroom work includes instruction in typewriting, stenography, business communications, business mathematics and machines, machine transcription, 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.

COSTS:

The cost of each two 8 weeks block is $183.00.

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 determined according to individual needs of the students 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 to better jobs and to prepare for better jobs and to prepare for or 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.

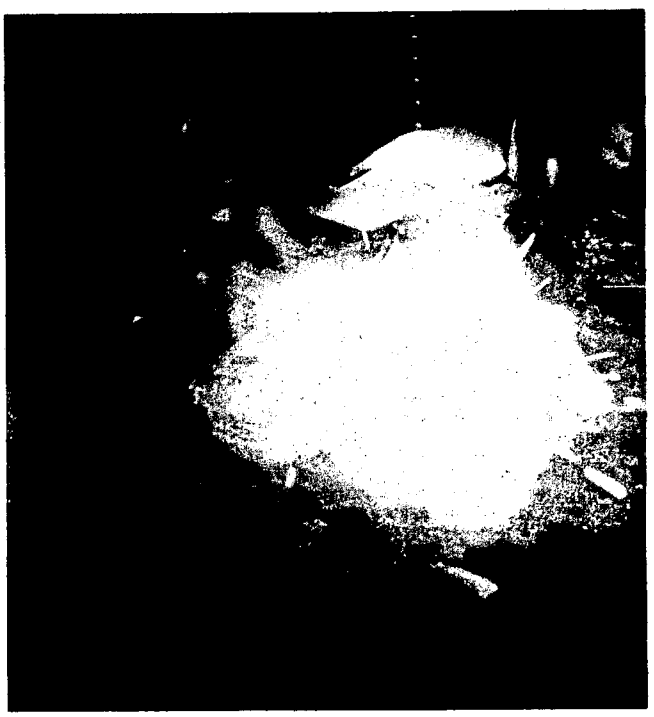
Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University School of Vocational-Technical Education. Phone: 385-1974.

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, 1978
(The date in parenthesis is the year of first appointment)

A

LOUISE ACKLEY, *Assistant Professor of English*.....(1969)
A.B., Northwest Nazarene College; M.A., University of Washington.

ROBERT T. ADKINS, *Associate Professor of Marketing*.....(1975)
B.B.A., University of Chattanooga; M.B.A., Stanford University; Ph.D., University of Arkansas.

H. DUANE AKROYD, *Assistant Professor; Director of Radiologic Technology*.....(1976)
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JOHN A. TAYE, *Assistant Professor of Art*.....(1975)
B.F.A., University of Utah; M.F.A., Otis Art Institute of Los Angeles County.

ADRIEN P. TAYLOR, *Head Reference Librarian*.....(1977)
A.B., Friends University; M.A., Washington State University.

DAVID S. TAYLOR, *Professor of Psychology, Vice-President for Student Affairs*.....(1972)
B.S.Ed., Northern Illinois University; M.S.Ed., Southern Illinois University; Ph.D., Michigan State University.

PATRICIA A. TAYLOR, *Instructor in Nursing*.....(1976)
B.S., Duquesne University.

ROBERT W. TAYLOR, *Assistant Professor of Criminal Justice Administration*.....(1977)
B.A., Boise State University; M.A., California State College, Long Beach.

RONALD S. TAYLOR, *Instructor in Art*.....(1975)
B.A., Boise State: M.F.A., Utah State University.

WILLIAM K. TAYLOR, *Professor of Music*.....(1971)
B.M., Cornell College; M.M., Indiana University.

PHOEBE J. TERRY, *Associate Professor of History* ..... (1966)
B.S., M.S., Drake University.

GEORGE THOMASON, *Assistant Professor in Music* ..... (1975)
B.A., College of Idaho.

NAN M. THOMASON, *Assistant Professor of Nursing* ..... (1967)
R.N., St. Luke's Hospital; B.S., Montana State University; M.Ed., University of Idaho.

CONNIE M. THORNGREN, *Assistant Professor of Physical Education* ..... (1970)
B.A., Idaho State University; M.Ed., Central Washington State College.

STEVEN DAVID THURBER, *Associate Professor of Psychology* ..... (1970)
B.S., M.S., Brigham Young University; Ph.D., University of Texas, Austin.

CHARLES R. TILLMAN, *Instructor of Diesel Mechanics* ..... (1977)

CARL W. TIPTON, *Associate Professor of Management* ..... (1965)
Iowa Wesleyan College; University of Washington; George Washington University; M.B.A., University of Chicago.

JAMES W. TOMPKINS, *Assistant Professor of Industrial Communications* ..... (1963)
A.B., Wheaton College; B.D., Th.B., Westminster Theological Seminary; University of Pennsylvania; Harvard University.

DAVID P. TORBET, *Professor of Psychology, Director of Counseling and Testing Center* ..... (1966)
B.S., Pacific University; M.A., University of Oregon; Ph.D., University of Colorado.

MARY ANN TOWLE, *Instructor in Practical Nursing* ..... (1976)
B.S., Idaho State University.

WARREN TOZER, *Associate Professor of History* ..... (1969)
B.A., M.A., Washington State University; Ph.D., University of Oregon.

LARRY B. TRIMBLE, *Instructor, Vocational Counselor* ..... (1974)
Boise Junior College; B.S., M.A., Northern Arizona University.

GLENDA TRUMBO, *Instructor in Office Occupations, Department Head, Service Occupations* ..... (1976)

ANTHONY THOMAS TRUSKY, *Assistant Professor of English* ..... (1970)
B.A., University of Oregon; M.A., Northwestern University; Trinity College; Dublin.

JERRY L. TUCKER, *Professor of Education* ..... (1971)
B.S., M.N.S., University of Idaho; Ph.D., University of Washington.

WALTER TUCKER, *Instructor in Air Conditioning* ..... (1975)
Diploma, Idaho State College; Air Conditioning and Refrigeration.

V

JOANN T. VAHEY, *Professor; Chairman, Department of Registered Nursing* ..... (1973)
B.S.N.Ed., College Misericordia; M.S.N., Catholic University; Ed.D., Columbia University.

LUIS J. VALVERDE Z., *Professor of Romance Languages* ..... (1965)
B.A., Mankato State College; B.S., Southern Illinois University; M.A., University of Illinois; Ed.D., University of California at Los Angeles; University of Michigan; University of Washington; University of Texas; University of Indiana.

ROSS E. VAUGHN, *Assistant Professor of Physical Education; Head Baseball Coach* ..... (1973)
A.A., Riverside City College; B.A., Chico State College; M.S., Washington State University.

WARREN VINZ, *Professor of History; Chairman, Department of History* ..... (1968)
Lincoln College; B.A., Sioux Falls College; B.D., Berkeley Baptist Divinity School; M.A., Ph.D., University of Utah.

W

BENNY WAGSTER, *Instructor of Business Machine Technology* ..... (1977)

WENDEN W. WAITE, *Assistant Professor of Teacher Education* ..... (1976)
B.S., M.S., Ph.D., Utah State University.

LARRY L. WALDORF, *Associate Professor of Management* ..... (1970)
B.S., M.S., Colorado State University; Ph.D., Colorado State University.

ED WALKER, *Assistant Professor of Teacher Education* ..... (1976)
B.S., Wayne State College; M.A., Ed.D., University of Nebraska.

EUNICE WALLACE, *Associate Professor of English* ..... (1968)
B.A., College of Idaho; Ed.M., Ph.D., Oregon State University; University of California; American University; Idaho State University; University of Utah.

GERALD R. WALLACE, *Professor of Education; Interim Executive Vice-President* ..... (1968)
B.A., College of Idaho; M.A., University of California; Ed.D., University of Oregon; Whitman College; Colorado State College; Oxford University.

STEVEN R. WALLACE, *Assistant Professor of Physical Education* ..... (1972)
B.S., Boise State College; M.S., University of Utah.

JOHN WALTHER, *Major, Professor of Military Science* ..... (1977)
Active Duty, United States Army.

WILLIAM WARBERG, *Assistant Professor of Business Education & Office Administration* ..... (1977)
B.A., Linfield College; M.A., Utah State University; Ed.D., Oregon State University.

FREDERICK R. WARD, *Associate Professor of Mathematics* ..... (1969)
B.S., William and Mary; M.S., University of Colorado; Ph.D., Virginia Polytechnic Institute and State University.

KATHLEEN C. WARNER, *Professor of English* ..... (1967)
A.B., M.A., Brigham Young University; Ph.D., State University of Iowa; University of Utah; Cambridge University.

MONT M. WARNER, *Professor of Geology* ..... (1967)
A.B., M.A., Brigham Young University; Ph.D., State University of Iowa; University of Utah; Cambridge University.

TARMO WATIA, *Assistant Professor of Art* ..... (1969)
B.S., M.F.A., University of Michigan.

DONALD J. WATTS, *Instructor in Drafting* ..... (1973)
B.S.C.E., University of Idaho.

WILLIAM L. WAUGH, *Instructor in Utility Lineman* ..... (1976)

E. ALLEN WESTON, *Associate Professor of Drafting-Design* ..... (1964)
B.F.A., University of Arizona; M.Ed., Idaho State University, Jefferson Machamer School of Art, Art Center School, USA Engineering Drafting School, College of Idaho.

WAYNE E. WHITE, *Professor of Business; Program Director, Aviation Management* ..... (1965)
B.S., Northern Arizona University; M.A., Arizona State University; University of Arizona; Wichita State University.

MARCIA C. WICKLOW, *Assistant Professor of Biology* ..... (1975)
B.A., M.A., San Francisco State College; Ph.D., Oregon State University.

MARGUERITE L. WILCOX, *Associate Professor of Nursing* ..... (1972)
B.S., Loma Linda University; M.N., University of California, Los Angeles.

EDWIN E. WILKINSON, *Associate Professor of Psychology, Dean of Student Advisory and Special Services* ..... (1958)
B.A., Whitworth College; M.S., Washington State University; University of Oregon; University of Akron.

MARJORIE WILLIAMSON, *Associate Professor of Office Administration, Faculty Senate Secretary* ..... (1967)

B.S.(Ed.), University of Kansas; M.B.(Ed.), University of Idaho; Washington State University.

LONNIE L. WILLIS, *Associate Professor of English*.....(1970)
B.A., North Texas State; M.A., University of Texas; Ph.D., University of Colorado.

MONTE D. WILSON, *Professor of Geology*.....(1969)
B.S., Brigham Young University; M.N.S., Ph.D., University of Idaho.

JAMES WILTERDING, *Associate Professor of Management & Finance*.....(1976)
B.A., Seattle University; M.B.A., University of Oregon; D.B.A., Texas Tech. University.

ELLA MAE WINANS, *Associate Professor of Mathematics*.....(1958)
B.S., University of Oregon; M.S., New York University; Idaho State University.

SPENCER H. WOOD, *Assistant Professor of Geology*.....(1977)
Geophysical Engineer, Colorado School of Mines; M.S., Ph.D., California Institute of Technology.

BOYD WRIGHT, *Assistant Professor of Art*.....(1970)
B.F.A., Utah State University; M.F.A., University of Idaho.

CHARLES D. WRIGHT, *Professor of English*.....(1972)
B.A., Wayne State University; M.A., University of Wisconsin; Ph.D., University of Iowa.

GILBERT A. WYLLIE, *Associate Professor of Biology*.....(1955)
B.S., College of Idaho; M.A., Sacramento State College; Ph.D., Purdue University, Oregon State University, University of Oregon.

Y

JERRY YOUNG, *Associate Professor of Mathematics*.....(1964)
A.A., Centralia Junior College; B.A., (Math), B.A. (Ed.), Central Washington State College; M.A., Washington State University; Ed.D., University of Northern Colorado.

JOHN R. YOUNG, *Professor of Marketing*.....(1967)
B.Ed., Whitewater State College, Wisconsin; M.A., Ph.D., University of Iowa.

MIKE M. YOUNG, *Assistant Professor of Physical Education; Head Wrestling Coach*.....(1970)
B.A., M.A., Brigham Young University.

VIRGIL M. YOUNG, *Professor of Education*.....(1967)
B.S., M.Ed., Ed.D., University of Idaho.

DOUGLAS YUNKER, *Associate Professor of Social Work, Department Head*.....(1976)
B.S., Western Michigan University; M.A., Indiana University.

Z

MICHAEL P. ZIRINSKY, *Assistant Professor of History*.....(1973)
A.B., Oberlin College; M.A., American University; Ph.D., University of North Carolina at Chapel Hill.

EMERITI

DOROTHY ALBERTSON, *Associate Professor of Office Administration*
(1953-1977)

THELMA F. ALLISON, *Associate Professor of Home Economics*
(1946-1973)

C. GRIFFITH BRATT, *Professor of Music, Composer in Residence*
(1946-1976)

WILLIAM S. BRONSON, *Professor of Psychology*
(1954-1970)

ELSIE BUCK, *Professor of Mathematics*
(1932-1934, 1937-1968)

VINA BUSHBY, *Associate Professor of Secretarial Science*
(1946-1965)

EUGENE B. CHAFFEE, *President*
(1932-1967)

ACEL H. CHATBURN, *Professor of Education*
(1944-1977)

ROBERT deNEUFVILLE, *Professor of Foreign Language*
(1949-1973)

CLISBY T. EDLEFSEN, *Professor of Business*
(1939-1969)

J. CALVIN EMERSON, *Associate Professor of Chemistry*
(1933-1940, 1960-1973)

EVELYN EVERTS, *Associate Professor, Reference Librarian*
(1957-1977)

MARJORIE FAIRCHILD, *Associate Professor of Library Science*
(1966-1975)

MILTON FLESHMAN, *Assistant Professor of Auto Mechanics*
(1959-1974)

JOHN F. HAGER, *Associate Professor of Machine Shop*
(1954-1969)

ADA Y. HATCH, *Professor of English*
(1932-1967)

ALICE H. HATTON, *Registrar*
(1959-1974)

KENNETH L. HILL, *Associate Professor of Education*
(1962-1970)

DORIS KELLY, *Associate Professor of Nursing*
(1958-1977)

NOEL KRIGBAUM, *Assistant Professor of Vocational-Technical Education*
(1955-1975)

ADELAIDE ANDERSON MARSHALL, *Assistant Professor of Music*
(1939-1948, 1966-1972)

RUTH McBIRNEY, *Professor, Head Librarian*
(1940-1942, 1953-1977)

KATHRYN ECKHARDT MITCHELL, *Assistant Professor of Violin*
(1932-1938, 1939-1972)

DONALD J. OBEE, *Professor of Botany*
(1946-1977)

AVERY F. PETERSON, *Assistant Professor of Political Science*
(1965-1975)

CAMILLE B. POWER, *Associate Professor of Spanish & French*
(1932-1935, 1936-1951, 1954-1967)

HAZEL MARY ROE, *Associate Professor of Office Administration*
(1942-1944, 1947-1969)

HAROLD SNELL, *Assistant Professor of Auto Mechanics*
(1958-1969)

JOSEPH B. SPULNIK, *Professor of Chemistry, Dean of the School of Arts and Sciences*
(1941-1976)

ALBERT H. TENNYSON, *Instructor in Industrial Communications*
(1966-1977)

LYLE F. TRAPP, *Assistant Professor of Auto Body*
(1953-1967)

G. W. UNDERKOFLER, *Associate Professor of Accounting*
(1952-1974)

JOHN E. WARWICK, *Associate Professor of Communication*
(1963-1977)

FACULTY

HELEN WESTFALL, *Associate Professor of Physical Education*
(1962-1970)

THOMAS W. WILBANKS, *Assistant Professor of English*
(1964-1966, 1969-1977)

PETER K. WILSON, *Professor of Business Administration*
(1966-1977)

ADVISORY BOARDS
SCHOOL OF HEALTH SCIENCES

Environmental Health
Mr. Melvin Alsager, Boise
Dr. Eldon Edmundson, Boise
Ms. Nancy Ann Goodell, Boise
Mr. David Hand, Boise
Mr. Jack Jelke, Pocatello
Dr. Donald J. Obee, Boise
Mr. Jack Ross, Sandpoint
Dr. Lee Stokes, Boise
Dr. Russell J. Centanni, Boise

Medical Records
Donald Francis, Caldwell
Patricia Kemper, ART, Boise
Lorraine Schmmels, ART, Caldwell
Kathy Seeborg, ART, Boise
Leonard Thompson, Boise
Judy Voss, Meridian

Nursing
JoAnna DeMeyer, R.N., Boise
Cindy Erhardt, Boise
Betty Gull, R.N., Emmett
Jean Hansen, R.N., Caldwell
Dorothy Krawczyk, R.N., Boise
Laura Larson, R.N., Boise
Jacqueline Mason, R.N., Boise
Clayton C. Morgan, M.D., Boise
Katherine Nelson, Boise
Mary Nelson, R.N., Boise
Celeste Rush, R.N., Boise
Betty Vivian, R.N., Boise
Suzan Walton, Boise
Ann Young, R.N., Nampa

Radiologic Technology
C. W. Barrick, M.D., Boise
Carolyn Beaman, R.T., Boise
David W. Bennett, M.D., Caldwell
Tom Davies, R.T., Boise
Ronald L. Deis, R.T., Pocatello
Dean Jacobson, R.T., Nampa
Joan Knight, R.T., Boise
Donald Rau, M.D., Nampa
Charles L. Robertson, M.D., Boise
Carol Short, R.T.T., Boise
Charles Smith, M.D., Boise
Doug Sprague, Meridian

Respiratory Therapy
George Burger, R.R.T., Boise
Shirley Gossi, R.T., Boise
Kitty Gurnsey, Boise
Daniels Hanson, M.D., Boise
Keith Hopper, R.R.T., Boise
James J. McCabe, M.D., Nampa
David K. Merrick, M.D., Boise
Leonard Nolt, Boise
David V. Nuerenberg, R.R.T., Caldwell
June Penner, R.N., MPH, Boise
Gerg Pilcher, C.R.T.T., Boise
Charles E. Reed, M.D., Caldwell
David K. Ricks, M.D., Boise
Ramona Schwarz, Boise
Joyce Shields, Eagle

GENERAL INDEX

Index

DEGREE PROGRAMS INDEX

BOISE STATE UNIVERSITY BULLETIN
1978-79 Catalog Issue

Addendum
August 15, 1978

The following changes to the Boise State University Bulletin 1978-79 Catalog Issue are effective immediately. Note that as a general rule changes to faculty are not included in the addendum. Reference is made to the current Directory and Class Schedule - Registration Information for detailed information. Changes in administrative officers are shown in the introductory section only.

Page 4
Replace University Administration individuals as follows:

John H. Keiser, Ph. D.	President of the University
Richard E. Bullington, Ed. D.	Executive Vice President
Richard L. Hart, Ed. D.	Dean, School of Education

Page 6
Change dates for Spring Vacation to ~~March 26-April 1,~~ Monday through Sunday.

Page 11
Change Institutional Fees to $187.00, total tuition and fees for Idaho Residents, $187.00, for non-residents, $787.00.

Page 45
Change semester offered for C 107 to read Fall and Spring semesters.
Add semesters offered to C 108 to read Fall and spring semesters.

Page 55
In the course description for GO 100 Fundamentals of Geology, change the next to last sentence to read: Three lectures and one two hour lab per week.

Page 56
In the course description for GO 101 Physical Geology (which starts on page 55), change the last line to read: Three lectures and one two-hour laboratory per week. Field trips required. Each semester.

Page 61
Add the following courses to the HE Home Economics

225 Parenthood and Child Development (3 credits). This course will provide a study of the basic factors in child growth and development within the family unit with emphasis upon the physical, mental, social, emotional, and moral aspects. Contributions of heredity and environment in the development of human beings will also be emphasized. Prerequisite: P 101. Fall, spring semesters.

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 several 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.

(Page 61, continued)

335 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.

Page 62

Replace M 103-104 Mathematics for Elementary Teachers with the following:

103-104 Elementary Mathematics for Teachers (4 credits). Fundamental concepts of mathematics including the study of the development of the number systems from the whole numbers through the reals, place value, arithmetic operations, arithmetic algorithms, real number postulates, fundamental algebraic and geometric principles, measurement, graphing, and introductory probability. Three lectures and one two-hour laboratory per week. The laboratory includes the use of manipulative materials appropriate to the content of the lecture-discussion. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor. Placement will also be determined by ACT scores or a grade of "satisfactory" in M 012 or M 020. Each semester.

Page 63

Add G designator to the following upper division M Mathematics courses: 406G, 431G-432G, 456G.

Page 82

Add to the list of Major Subject Requirements, Theatre, the following:

Major Production Participation (2 hours lower, 2 hours upper division) .....4. The total should be changed from 35 to 39.

Page 83

Add the following TA Theatre Arts course in numerical sequence:

231 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.

Page 89

Change the Economics Major, Bachelor of Business Administration Degree Sophomore, Junior, and Senior Years to read as follows:

FRESHMAN YEAR: (no change)

SOPHOMORE YEAR:	1st SEM	2nd SEM
Principles of Economics	3	3
Science	3-4	-
Intro to Financial Accounting	3	-
Intro to Managerial Accounting	-	3
Business Law I	3	-
Business Statistics I & II	3	3
Applied Business Communication	-	3
Introduction to Data Processing	-	3
	15-16	15

(Page 89, continued)

JUNIOR YEAR:		
Intermediate Microeconomics	3	-
Intermediate Macroeconomics	-	3
Principles of Management	3	-
Principles of Finance	3	-
Basic Marketing Management	3	-
***Non-Business Electives (Area I, II, III)	6	6
Economics Electives	-	6
	18	15
SENIOR YEAR:		
Econometrics	3	3
Economics Electives	3	3
Human Resource Management	3	-
Business Policies	-	3
**Non-Business Electives (Area I, II, III)	3	3
Electives	5	4
	17	16

See page 22 for clarification of fields in B. A. degree.
**Electives should be chosen mainly from upper division courses.
***Must include hours in at least two of the three definitive areas as listed on page 22 of the catalog.

Page 90

General Business Major, No Option, change under Junior Year from Cost Accounting to Cost and Managerial Accounting.

Finance Major, Sophomore Year, after Introduction to Managerial Accounting, add double asterisk - **. At the end of the Finance Major add the following footnote - **Students desiring to take Cost Accounting should take Cost Accounting in place of Introduction to Managerial Accounting leaving Intermediate Accounting or Managerial Accounting as finance electives.

Page 91

Industrial Business Major, Production Option change under Sophomore Year from Introduction to Managerial Accounting to Fundamentals of Speech Communication. Change under Junior Year from Fundamentals of Speech Communication to Cost Accounting. Change under Senior Year from Cost Accounting to Managerial Accounting.

Page 92

Industrial Business Major, Sales Option, under Junior change from Salesmanship to Intermediate Marketing Management. Under Senior Year change from Cost Accounting to Principles of Income Taxation.

Management Major, Quantitative Option, under Sophomore Year, delete Introduction to Managerial Accounting and change General Electives (Area I, II, III) from 3 to 6 (second semester).

Management Major, Quantitative Option, under Junior Year change Cost Accounting from the second to the first semester, delete 3 credits first semester of General Electives (Area I, II, III) and add Managerial Accounting.....3 cr second semester.

Page 93

Management Major, Industrial Relations Option, under Sophomore year, change Fundamentals of Accounting to read "Intro to Financial and Managerial Accounting." Under Junior year, delete Cost Accounting and 3 credits; change General Electives (Area I, II, III) from 7 to 4; add Electives..... 6 credits under 2nd semester.

Page 100

Under Graduate Programs in Business, delete "MBA in Business" but leave Master of Business Administration as is.

Under Matriculation Requirements heading, delete the first "for Applicants."

Under first paragraph below (d) 9, Business Statistics, change BMA to read MBA.

Under the heading "The MBA Degree", delete "The Graduate Degree Programs."

Page 101

Right column, top of page, after total paragraph describing Undergraduate "G" courses, add the following:

THE MASTER OF SCIENCE--ACCOUNTING

The Master of Science--Accounting degree consists of a minimum of 33 hours of credit from offerings within the program described below. The program is designed for those persons who have a bachelor's degree in accounting, 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, and for those who have already attained certification status, it will provide an excellent vehicle for maintaining and improving current proficiencies.

In general, matriculation procedures are the same for MS and MBA candidates. Specific matriculation requirements for the MS are:

a. Possession of a bachelor's degree in accounting from an accredited institution.

b. Demonstration of academic competency by virtue of GMAT and GPA formulae described under the MBA program requirements.

c. Prerequisite deficiencies as determined by the Department of Accounting/ Data Processing and the School of Business.

d. All applicants must be accepted by the Graduate School of Boise State University in order to attain the MS degree.

(Page 101, continued)

The MS Degree

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.

A maximum of 9 credits, if appropriate and acceptable to the School of Business, may be transferred from other graduate schools. Students may apply a maximum of 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.

Master of Science Courses

Choice of GB-512 or GB-514 (3)
DP-542, Computer Applications for Managers (3)
AC-440-G, Accounting Theory (3)
FI-530, Financial Management (3)
Choice of MG-540 or MK-519 (3)
EC___, Graduate Economics Elective (3)
AC-510, Advanced Managerial Accounting (3)
AC-520, Research in Federal Taxation (3)
AC-540, Perspectives in Auditing (3)
AC-569, Contemporary Issues in Accounting (3)

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.

Applicants desiring to enter this program should contact the Master of Science Advisor (385-3461) or the Graduate Program Coordinator (385-1125) in order to commence the application process and plan an orderly progression toward the degree.

Page 111

Under Elementary Physical Education Minor, replace the entire listing with:

PE 105, First Aid	2
PE 115, Gymnastics	1
PE 117, Field Sports	1
PE 143, Basketball & Volleyball	1
PE 212, Track and Field	1
PE 230, Anatomical Kinesiology	1
PE 310, Physiological Kinesiology	2
PE 357, Dance for Children	2
PE 359, Perceptual Motor Programs for Kindergarten and Special Education Teachers	2
PE 361, Elementary School Physical Education Methods	3
PE 451, Adaptive and Corrective Physical Education	2
PE 493, Internship	3
	22

Page 112

Delete the Physical Education for the Exceptional Child Option. Under Requirements for Psychology Major, change "**excluding..." to read "**including..."

Page 113

Following the Junior Year listing, add the Senior Year listing as follows:

	1st SEM	2nd SEM
*Psychological Measurement, P-421	3	-
*Learning, P-441	3	-
*Psychological Systems, P-461	-	3
Abnormal Psychology, P-301	3	-
Personality, P-351	3	-
Social Psychology, P-431	-	3
Electives	3	9
	15	15

*Specifically required

Page 114

Replace in first column 217 Wrestling and Rhythmic... with:

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.

Page 115

Delete course 425 from first column. Replace course 461 in the second column with:

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 format

(Page 115, continued)
shifts from lecture to seminar. Prerequisite: Senior standing in Psychology. Spring semester.

Page 116
Change title of course 422 to read:

Curriculum Programs for the Moderately/Severely Handicapped

Page 118
Change Term offered for P-504 to Fall, and for P-505 to Spring.

Page 125
Replace course 242 with the following:

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.

Replace course 316 with the following:

316 Radiographic Positioning (4 credits). Concepts and positioning used for advanced positioning to include: cranium, sinuses, facial bones and temporal bone. Prerequisites: RD 222 and RD 242. Fall semester.

Replace courses 350 and 360 with the following:

350 Medical and Surgical Diseases (3 credits). This course is a general survey of various diseases and pathology of the human body as they pertain to radiology. Emphasis is placed on how this pathology is demonstrated on radiographs as well as its effect on radiographic quality. Fall semester.

360 Special Radiographic Procedures (4 credits). This course provides the basic fundamental concepts of the more specialized radiographic procedures. Emphasis will be placed on neurological and vascular studies. Fall semester.

Page 127
Second column, change term of offering for course 300 to Fall semester. Change term of offering for course 405 to Fall semester. In description of course 493, change "...a record of his experiences..." to "...a record of his or her experiences...." Change class standing prerequisite to Upper division standing; change GPA requirement to above 3.25.

Page 132
Under Preprofessional Internship, add the following to the end of the paragraph:

Prerequisites: Upper division standing; cumulative GPA above 3.25; recommendation of faculty advisor; consent of the dean. See course H-493 described in the Community and Environmental Health section.

Page 147

First column, under Day Care Assistant, change credits of CC-141 to 3.

Second column, replace course 141 with the following:

141 Health and Care of the Young Child (3 credits). Safety practices in child care centers, basic nutrition, and general health education necessary for working with children will be stressed as will the care and feeding of sick children as applied to child care centers with special emphasis on identifying symptoms, treatment and prevention of childhood diseases. The teacher's health and well-being as it affects children with whom she is working will be covered. Required in the course of study will be the Red Cross multi-media first-aid emergency training in compliance with state licensing regulations. A Tuberculin test is also required.

* * *

Page change to present paragraph to read as follows (page 17):

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 time 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 offerings. For more information about summer programs, contact the Office of Continuing Education and Summer Session, Boise State University.

BOISE STATE UNIVERSITY • 1910 COLLEGE BLVD. • BOISE, IDAHO 83725

SCHOOL OF HEALTH SCIENCES
Department of Nursing Tel. [208] 385-1766

MEMORANDUM

TO: S. Holz, Registrar
J. Bugge, Ass't. Registrar
S. Cook, Graduation Clerk
K. Tipton, Evaluator

FROM: Charlotte Gale, Director, Baccalaureate Program in Nursing

DATE: August 17, 1977

SUBJECT: Courses in revised Baccalaureate Nursing Program

Since the BSU Bulletin had to be printed before the final approvals were obtained for the revised nursing curriculum, the total curriculum does not appear in the Bulletin. This memorandum contains the revised curriculum which is in effect for students who entered the program the fall of 1976 and will be graduating from December 1977 on.

A total of 32 credits in upper-division nursing is required, 16 of these credits in core courses taken by all students and 16 in an elective option (Acute Care Nursing, Family Nurse Practice, or Leadership). There are also 15 credits of required support courses for all students, while those in ~~Acute Care~~ Leadership and FNP options, have one additional required support course in the option.

Core Curriculum in Nursing
(To be taken by all students)

Credits	Number	Title
2	N306	Professional Interactions
1	N307	Practicum: Professional Interactions
2	N310	Community Health Nursing
2	N313	Practicum: Community Health Nursing
1	N316	Health Assessment
2	N317	Practicum: Health Assessment
1	N324	Critical Care Nursing
2	N325	Practicum: Critical Care Nursing
3	N490	Overview of Nursing Research
TOTAL 16		

Required Support Courses
(To be taken by all students)

Credits	Number	Title
3	H210	Principles of Pharmacology
4	H300	Pathophysiology
3	H302	Health Care Delivery Systems
3	MG301	Principles of Management
2	H305	Role Sensitization
TOTAL 15		

Required Courses in Nursing Options

Acute Care Nursing Option:

Credits	Number	Title
2	N422	Nursing in Intensive Care Situations
2	N423	Practicum: Nursing in Intensive Care
2	N424	Cardiovascular Nursing
2	N425	Practicum: Cardiovascular Nursing
2	N426	Nursing in Emergency/Trauma Situations
2	N427	Practicum: Nursing in Emergency/Trauma Sit.
2	N428	Nursing in High Risk Perinatal Situations
2	N429	Practicum: High Risk Perinatal Nursing
TOTAL 16		

Family Nurse Practice Option:

2	N462	Women's & Children's Health Care
2	N463	Practicum: Women's & Children's Hlth. Care
2	N464	Family Nurse Practice in Emergency/Trauma Situations
2	N465	Practicum: FNP in Emergency/Trauma Situations
2	N466	Adult Health Care
2	N467	Practicum: Adult Health Care
4	N469	Practicum: Family Nurse Practice
3	H309	Clinical Laboratory Methods
TOTAL 19		

Leadership Option:

1	N440	Leadership in Clinical Nursing I
2	N441	Practicum: Leadership in Cl. Nursing I
1	N442	Leadership in Clinical Nursing II
2	N443	Practicum: Leadership in Cl. Nursing II
1	N444	Leadership in Clinical Nursing III
2	N445	Practicum: Leadership in Cl. Nursing III
3	N446	Nursing and the Political System
4	N447	Practicum: Leadership in Nursing Practice
3	H 405	Medical Economics and Finance
TOTAL 19		

0501 — Copy

Advisor

DEPARTMENT OF MANAGEMENT AND FINANCE
Checklist of Graduation Requirements for BBA Degree

General Business Major-No option

E-101, English Composition* (3)____
E-102, English Composition (3)____
*Determined by students score and ACT exam

AREA I REQUIREMENTS (6 credits to be chosen from): (3)____
Humanities, Theatre Arts, Art, Music, Philosophy, Literature (3)____

AREA II REQUIREMENTS (12 credits)
EC-201, Principles of Econ-Macro (3)____ P-101, General Psy. (3)____
EC-202, Principles of Econ-Micro (3)____ CM-111, Fund. of Speech Comm. (3)____

AREA III REQUIREMENTS
M-105 or M-111 (4)____
M-106 or M-112 (4)____
And one 3-4 credit elective from Area III suggested courses are: (3-4)____

Biology	B-100, B-200 MAYO EV	Physical Science	PS-100
Chemistry	C-100	Physics	PH-100
Geology	GO-100	Engineering	EN-100
Astronomy	PH-105		

An additional 16 hours of electives (that is - courses not used above as an Area I, II or III requirement) 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 above:

_____ ( )____ _____ ( )____
_____ ( )____ _____ ( )____
_____ ( )____ _____ ( )____

SCHOOL OF BUSINESS AND SPECIAL REQUIREMENTS OF MAJOR AREA

AC-205, Intro to Financial Acct. (3)____ MK-301, Prin. of Marketing (3)____
DP-210, Intro to Data Proc. (3)____ MG-301, Prin. of Management (3)____
GB-207, Stat. Tech. Dec. Mak. I (3)____ FI-303, Prin. of Finance (3)____
GB-208, Stat. Tech. Dec. Mak. II (3)____ MG-401, Human Res Mgt (3)____
GB-202, Business Law I (3)____ GB-450, Business Policies (3)____
EC-303, Intermediate Micro Econ. (3)____ EC-305, Intermediate Macro Econ (3)____

AC-351, Cost Accounting (3)____ GB-441, Govt. & Bus. (3)____
AC-352, Managerial Acct. (3)____ MG-408, Operations Mgt. (3)____
GB-360, Bus. Ethics. & Soc. Resp. (3)____ MG-406, Organization Dynamics (3)____
FI-325, Financial Mgt. I (3)____ MK-405, Inter. Marketing (3)____
FI-326, Financial Mgt. II (3)____ OA-238, Applied Business Com. (3)____

MUST HAVE A MINIMUM OF 128 TOTAL HOURS TO GRADUATE. MUST HAVE A MINIMUM OF 40 UPPER DIVISION (300-400 level) COURSES TO GRADUATE.

BOISE STATE UNIVERSITY • 1910 UNIVERSITY DRIVE • BOISE, IDAHO 83725

October 30, 1978

TO: Department Chairman, Management & Finance

FROM: Chairman, General Busin-ss Committee, Management & Finance

SUBJECT: General Business Courses and Majors

The Committee recommends the following action be taken in regards to the BSU Bulletin for the year 1979-80:

That GB-207 and GB-208, Statistical Techniques for Decision Making I and II respectively be given management prefixes MG-207 and MG-208.

That GB-366, Quantitative Analysis for Business Decisions also be given an MG prefix with appropriate adjustment in the prerequisites, ie., GB-207 becomes MG-207.

CT:br

ADDENDUM
(Spring Semester 1979)
(Reflects Changes through January 5, 1979)

REFERENCE NUMBER	COURSE/SECTION NUMBER	ACTION	DESCRIPTION OF CHANGE
	AR 007 001	Reinstate	
	AR 226 002	Cancel	
	AR 226 004	Cancel	
30091	AR 011 002	Add	Leaded Glass 2 cr. F 7-10:00 pm LA-251
30101	AR 106 006	Add	Basic Design 2 cr. M 3:40-5:30 pm LA-256
30118	AR 106 L F	Add	Basic Design Lab W 3:40-5:30 pm LA-256
30125	AR 111 002	Add	Drawing 2 cr. MW 3:40-5:30 pm LA-153
30069	AR 551 001	Add	Special Methods 3 cr. W 7-10:00 pm ARRD
	AC 205 007	Time	TR 6:25-7:30 am
	AC 206 003	Day,Time	M 7-10:00 pm B-221
	AC 304 004	Time	MWF 9:40-10:30 am
	AC 440 001 AC 440G 001	Room	Change to B-203
29893	AN 497 002	Add	Spec. Top.--Econ Anthro 3 cr. W 7-10:00pm B-303
	AV 351 001	Cancel	
	B 102 L C	Cancel	
	B 205 L C	Cancel	
	B 344 002	Add	Genetics Lab, 1 cr. T 7:40-10:30 am SE-243
	BT 497 001	Cancel	
30189 30196	B 497 003/ TE 597 004	Add	Spec. Top.--Photomicrography/Cinemicrography 2 cr. R 7-10:00 pm SE-205
30140	C 110 004	Add	Essen. Chem Lab 2 cr. TR 10:40-1:30 SE-361
30132	C 134 006	Add	Coll. Chem Lab 2 cr. TR 1:40-4:30 SE-349
29815	DP 320 002	Add	Data Process Tech 3 cr. MWF 9:40-10:30 B-217
	DP 360 001	Cancel	
	EN 101 001	Time	TR 9:40-11:30
	FS 101 002	Time	7-10:00 pm
	FS 297 001	Cancel	
	GG 101 003	Time,Day	R 7-10:00 pm
	HY 332 001	Title	Modern Middle East
	HP 492 002	Cancel	
30037 30044	MG 297 001 MG 497 001	Add Add	Spec. Top.--Manage Tech Transportation 3 cr. T 7-10:00 pm B-301
	MG 301 005	Cancel	
	MG 409 001	Time	7:40-8:30 am
	MG 584 001	Day,Time	M 7-10:00 pm
	MK 306 001	Cancel	
	M 104 005	Credit Hr	Change to 4 cr.
	M 105 003	Days	Change to MTWR
	M 105 004	Days	Change to MW--S-201; TR--S-218
30157	M 105 008	Add	Math Bus. Dec. 4 cr. MTWR 1:40-2:30 S-208
	M 109 001	Time	Change to 6:40-9:00 pm
	M 206 002	Days	MWF--S-218; R--S-124
	M 212 001	Time,Room	7:40-8:30 S-201
	M 226 001	Room	Change to R S-220
	M 340 001	Cancel	

REFERENCE NUMBER	COURSE/SECTION NUMBER	ACTION	DESCRIPTION OF CHANGE
	M 498 001	Credit Hr.	Change to 1 cr.
	MU 497 001	Credit Hr.	Change to 1 cr.
29597	PE 184 002	Add	Rec. Dance 1 cr. TR 11:40-12:30 AGym
	PE 189 001	Cancel	
29854	PE 297 016	Add	Adv. Folk Dance 1 cr. R 7-10:00 pm AGym
29847	PH 382 001	Add	Elec/Magnetism 3 cr. MWF 11:40-12:30 SE-335
30012	PO 442 001	Add	West Political Theory 3 cr. TR 3:15-4:30 PSC
30020	PO 451 001	Add	Comp Legal Systems 3 cr. TR 7:40-8:55 PSC
30083	PO 497 001	Add	Spec.Top.--Environ. Anal 3 cr. M 7-10:00 pm ARRD
30076	PY 497 002	Add	Spec.Top.--Living Human Religions 3 cr. TR 9:15-10:30 L-408 D
	P 101 001	Room	Change to E-112
	P 297 007	Room	Change to L-231
30213	P 297 008	Add	Spec.Top.--Human Sex. 3 cr. T 7-10:00 pm SE-156
	P 311 002	Cancel	
	P 501 001	Time	Change to 6:00-9:00 pm
	P 505 001	Time	Change to 6:00-9:00 pm
	RE 201 006	Cancel	
	RE 201 007	Cancel	
	R 297 001	Time,Room	Change to 12:40-1:30 L-215
	SO 421 001	Cancel	
	SO 487 001	Cancel	
	SO 487 002	Add	3 cr. M 7-10:00 pm PSC
	SO 498 001	Time,Room	Change to T 1:40-3:30 B-310
	TA 342 001	Cancel	
29935	TE 431 001	Add	Remed Mild Handicapped 3 cr. TR 2:40-3:55 E-416
	Z 107 L B	Cancel	
30171	Z 112 L G	Add	Hum Anat & Phys Lab 0 cr. R 10:40-1:40 SE-241
	Z 112 L E	Time	Change to 7:40-10:30